

# STEREO

## BUYERS' GUIDE 1993

**MORE THAN  
7,000 PRODUCTS!**

**CD PLAYERS,  
SPEAKERS,  
RECEIVERS,  
A/V AMPLIFIERS,  
AND MORE!**

**Expert Advice  
On Shopping  
For a System**

Display until December 22, 1992



The Mitsubishi  
CS-3535R 35" TV  
features a fine  
pitch screen, digital  
comb filter,  
invar shadow mask,  
velocity scan  
modulation, dynamic  
beam forming, and  
an anti-static coating.

# In other words, "Wow, what a picture!"



When we introduced the first 35" direct view TV back in 1986, people couldn't believe that a picture that big could also be that sharp and that beautiful.

It's a reaction that has become more pronounced with every passing year. And this year is no exception, thanks to Mitsubishi's commitment to technical innovation.

Take, for example, our exclusive Diamond Vision® picture tube. A direct descendant of our stadium display screens, it delivers optimum contrast and color even under the most challenging light conditions.

And this year, we're treating selected Diamond Vision tubes with a special coating that boosts contrast an additional

20% while forming an anti-static shield against dust. It also absorbs ambient room light rather than reflecting it, so your picture never looks washed out.

Our Dynamic Beam Forming technology resulted from the fact that electron beams become distorted as they reach the edges and corners of the screen. Reshaping and refocusing the beams results in a much sharper overall picture.

Also contributing generously to a sharper picture is our exclusive Fine Pitch Screen. By reducing the pitch, or horizontal distance between the phosphor stripes, it delivers a 20% improvement in detail.

We could go on and on about the picture enhancing advantages of our digital comb filters, invar shadow masks and quote from a considerable list of other technical specifications.

But to really appreciate the remarkable picture you get with the CS-3535R direct view 35", you need to do some basic research of your own.

Turn it on and watch it.

 **MITSUBISHI**  
TECHNICALLY, ANYTHING IS POSSIBLE®

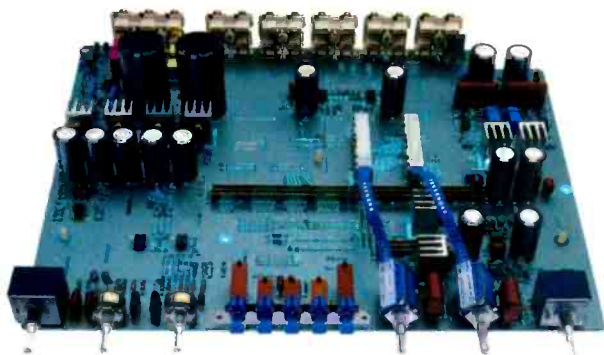
# Adcom's GFP-565 Preamp: Pure and Simple.



## In Search of Sonic Perfection, Adcom Took the Path of Least Resistance

The fewer circuits a musical signal encounters on its way to your loudspeaker system, the greater its musical purity will be. Now, through obsessive attention to detail and design ingenuity, Adcom has created the GFP-565 — the world's first affordable preamplifier with direct, linear gain path circuitry. By combining the GFP-565 with any of Adcom's power amplifiers, you can experience the exceptionally lifelike sound which has astonished even the most demanding critics.

From Input to Output,  
the Signal Path is  
as Direct, Pure and  
Simple as Possible



*By gold plating all input and output jacks, and then directly mounting all jacks, switches, potentiometers and other laboratory grade components on a double copper-plated, glass epoxy printed circuit board, signal losses and noise are dramatically reduced.*

## Three Sets of Outputs for the Perfect Balance of Performance and Flexibility

You can use one or more sets of outputs: 1) **BYPASS** - direct-coupled before tone controls, filters, etc. for the most direct path to your power amplifier while retaining control of volume and balance. 2) **LAB** - direct-coupled with no output-coupling capacitors yet with tone, filter and loudness controls. 3) **NORMAL** - same as LAB but with highest quality output capacitors for use with amplifiers needing the extra protection of ultra-low-frequency roll-off.

Bi-amped and tri-amped systems are easily accommodated by this flexible arrangement.

## Pure Convenience

The minimalist aesthetics of the GFP-565 are deceptive in their simplicity. Without being overly complicated to use, this preamplifier is able to integrate and control all of the components in the most sophisticated of music systems. There are five high-level inputs as well as a phono input. A separate front-panel switch allows the use of an external processor, only when needed, leaving both tape circuits free. And, of course, you may listen to one input while recording from another.

## More Sound, Less Money

Adcom stereo components have a reputation for sounding superior to others costing two and three times more. Keeping faith with this tradition, Adcom took the path of least resistance. Why not do the same? Ask your authorized Adcom dealer for a demonstration of this remarkable stereo preamplifier. Please write or call for a fully detailed brochure. You'll discover the best value in high performance

preamplifiers.  
Pure and  
simple.

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details you can hear

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# STEREO®

## BUYERS' GUIDE 1993



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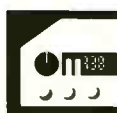
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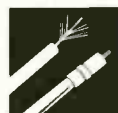
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**Cover photograph:** Tony Cordoza

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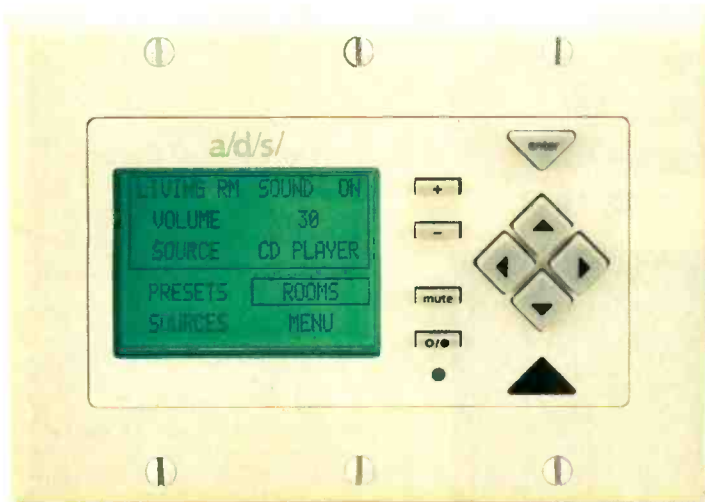
STEREO REVIEW PRESENTS  
 IS PUBLISHED BY  
 HACHETTE MAGAZINES, INC.

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Stereo Review Presents (ISSN #1060-8133) is  
 published by Hachette Magazines, Inc., 1633  
 Broadway, New York, NY 10019.

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**DIGITAL RECORDING,  
HOME-THEATER  
SYSTEMS, AND MUSIC  
IN EVERY PART  
OF THE HOUSE**

# WHAT'S NEW

**S**HOPPING FOR A STEREO is serious business these days. The last great audio revolution—the introduction of the compact disc—took place a decade ago, and things have been relatively quiet ever since. But manufacturers have been busy developing exciting new technologies, and 1993 just may be a trend-setting year. Two new digital record-and-play formats—DCC and MD—are about to make the scene. Meanwhile, many

new components are being designed to function within audio/video or “home-theater” systems. Finally, new “multiroom” gear



**BY**

**BOB ANKOSKO**

can spread music (and video) throughout your house. What's in it for you? Read on.

## DCC

Developed by Netherlands-based Philips, the Digital Compact Cassette (DCC) is a clever update of the good old analog cassette, a product Philips pioneered in the Sixties. DCC offers near-CD sound quality and digital recording capability and it's compatible with conventional analog tapes. The new decks will be able to record for up to 90 minutes on a new breed of digital tapes, play those tapes or prerecorded DCC's, or play analog tapes; you won't be able to use the new decks to record on analog tapes, though. DCC cassettes look a lot like their analog counterparts, although they're a bit slimmer, only have spindle holes on one side, and use a sliding metal cover to protect the tape.

Conventionally styled home DCC decks from Philips, Marantz, Radio Shack (under the Optimus brand), and Technics are scheduled for a late-1992 launch, with prices ranging from \$800 (Philips) to \$1,200 (Marantz); see "Tape Decks," beginning on page 50, for details. As many as 500 prerecorded DCC titles from a variety of record labels may be available when the decks first hit retail stores, at prices equal to comparable CD's; blank DCC's will be available in 75- and 90-minute lengths for about \$8 and \$10, respectively.

## MD

Sony's Mini Disc (MD) is being pitched as the ultimate portable format. The decks and 2½-inch discs offer small size, near-CD sound quality, CD's instant access time, resistance to shock, and digital recording. There are two types of discs. While they are both housed in a computer-disk-like plastic caddy and appear to be identical, one is recordable and the other is not; the latter will be prerecorded with music and sold in record stores. Both types of discs will have a maximum running time of 74 minutes.

While MD borrows laser-optical technology from the CD format, Mini Discs can't be played in CD players; CD's can't be played in an MD deck, either. As for shock resistance, the MD format employs a read-ahead buffer memory whose sole job is to prevent audible gaps in your favorite music; Sony claims you can jog with an MD portable, for example, and it won't skip. And unlike all of the tape formats, which are prone to wear, the Mini Disc is said to offer unlimited record and play potential.

Sony is scheduled to have two portable "MD Walkman" models in stores by the end of 1992: a \$750 recorder/player and a \$550 player; a car deck is due in early 1993. As many as 300 prerecorded titles may be available to support the launch. Prerecorded Mini Discs are expected to cost about the same as comparable CD's and 60-minute blank MD's will sell for about \$14. A number of manufacturers have licensed MD technology from Sony, but it's not clear when they will have MD products in stores.

## HOME THEATER

Everybody's talking about home theater. The basic idea is to merge your audio and video components—generally your TV and VCR—into one super system.



Upgrades include a videodisc player, a big-screen TV, and a "surround-sound decoder."

Most movie soundtracks are encoded in Dolby Surround (also known as Dolby Stereo), a special recording process that brings on-screen action to life with great audio and realistic sound effects—the kind that make you duck when a low-flying chopper appears on the screen and heads your way. Fortunately, surround-sound coding remains intact when movies are transferred to video, which allows you to recreate the theater experience at home. The trick is that you need a surround decoder and a few extra speakers.

Decoders are available as standalone components and they're also built into audio/video receivers and integrated amplifiers. There are two types of decoders: Dolby Surround, which greatly enhances the sense of spaciousness and requires the use of one or two rear speakers, and Dolby Pro Logic, an advanced system that uses "steering logic" to sharpen sound effects and dialogue for the ultimate in realism. To get the full benefits of a Pro Logic decoder, you'll need to add a center-channel speaker to the usual front stereo pair, a couple of rear speakers, and maybe even a subwoofer. While the sky is the limit here, A/V receivers with built-in decoders provide the path of least resistance to home theater—and they can be had for as little as \$300 or \$400.

## MULTIROOM

What exactly is a "multiroom system?" That depends on who you ask. In reality, any audio or A/V system that can be enjoyed in more than one room qualifies. The bottom line is that you can make your system do whatever you want it to do—play music in half a dozen or more rooms, for example, with a control panel offering things like source selection and volume adjustment in each—but the more sophisticated your plan, the more likely it is that you'll need the help of a professional installer (and the more expensive it'll be).

The simplest option is to extend the use of your system to another room that's been equipped with its own pair of speakers; a number of receiver manufacturers sell inexpensive "infrared-repeater kits" that enable their all-in-one system remote control to be used in secondary rooms (the "repeater" is a sensor that receives the remote's infrared commands and relays them, via wire, to your receiver). Options abound, however, and there are a wealth of specialized controller components, interface devices, wall-mount control panels, and in-wall speakers that can be mixed and matched to send audio and video signals anywhere you want them to go. For a hint of the possibilities, check out "Multiroom Components," beginning on page 197. □

## SONY'S MD OFFERS DIGITAL RECORDING, SHOCK RESISTANCE, AND SMALL SIZE

Counterclockwise from the top, far left: an a/d/s/ CP6 multiroom control panel (\$350), not a GameBoy; Sony's Mini Disc (\$750) shows emotion; Philips' DCC 900 DCC deck (\$800) records up to 90 minutes.

# THE SOUND OF MUSIC

**How to Buy a  
Stereo System**

**BY IAN G. MASTERS**





**O**KAY, IT'S TRUE: Some of us are nuts, the kind of people (often called "audiophiles") who are willing to spend the price of a small house—or a large car—on stereo equipment. The goal is to squeeze the last ounce of audio quality out of a system. Fortunately, it *is* possible to get a great-sounding system without shoving money into a hi-fi store's coffers. Truly excellent components are available at every price level, so even if you're just starting out or don't need all of the knobs and special features, you still have a better-than-even chance of ending up with a bona-fide high-fidelity system. The catch: you have to take some time to plan out what you really need, and you have to shop carefully.

The reason is that everybody's different; your taste in music may differ from your friends', the room where you'll be doing all of your music listening has different furniture, and so on. So your best bet is to analyze what you want *your* system to do and then pick the components that will deliver the goods. If that sounds like a daunting task, take heart: There is a huge variety of equipment for you to choose from, so exactly what you want is definitely out there somewhere, at a price you can afford.

Your first step should be determining a budget. You can spend anywhere from a few hundred to tens of thousands of dollars. Setting a realistic budget will help you eliminate components that are out of reach financially, making specific buying decisions that much easier. Note that it's a good idea to build some cushion into your budget, which will take care of extras like cables, cleaning accessories, and sales tax. It will also

*Components pictured, clockwise from left: Pioneer's PD-M650 CD changer (\$440), NAD's Model 5100 cassette deck (\$499), NHT's VT-1 speakers (\$650 a pair), and JVC's RX-507V receiver (\$590)*





**Sony's CDP-C525 CD changer (\$350) offers several ambience presets, such as jazz, church, and stadium.**

**Number 9, number 9 . . . Celestion's Model 9 (\$599 a pair) sports a 1-inch titanium-dome tweeter.**



give you the flexibility to choose a more expensive model in any given category if it turns out that the extra dollars will boost performance appreciably or give you a feature that you really want.

#### THE SOURCE

To begin at the beginning, you'll need a component (or more than one) to feed music signals to the rest of your system. Which components you require depends on your past listening habits and how you intend to listen in the future. Including a turntable that plays LP's may make sense if you have a large collection of vinyl. Bear in mind, though, that new LP's are rare, and most if not all of your future music purchases will be either tapes or CD's. So if you are going to get a turntable, settle for a fairly modest one: fortunately, most of today's inexpensive turntables are very good performers. Look for rumble specs of at least -70 dB or greater and wow and flutter of 0.1 percent or lower. And don't skimp on the phono cartridge, which has a big effect on the sound of your LP's; almost all turntables are supplied with one, but they can usually stand some improvement.

Put most of your source money into tape and/or CD. While the Digital Compact Cassette (DCC) and the Mini Disc (MD), two new digital, recordable formats, are scheduled to hit hi-fi shops in time for the holidays (see "What's New," page 4), good old analog cassettes will remain a major format for prerecorded music for the foreseeable future. You may even decide to assemble a completely tape-based system. The advantages: Prerecorded tapes are plentiful (although they are losing ground to CD, especially when it comes to classical recordings), and you'll have the ability to copy music for use in your car or in a Walkman-type portable.

Many people use cassette components for copying tapes, so virtually all tape-deck manufacturers offer models with two cassette mechanisms and simplified dubbing controls that make the duplication, or dub-

## Going Up?

YOU'VE HEARD A LOT about it, but you're probably still wondering, "What exactly is high-end audio, anyway?" Different folks will give you different answers, but one thing's for sure: It'll cost you *big*.

Another constant is the Law of Diminishing Returns. A \$3,000 system will not sound "twice as good" as a \$1,500 array that's been carefully designed around quality components; ditto a \$10,000 system versus a \$5,000 chain. Inevitably, you pay more and more for smaller and smaller improvements, and whether any particular expenditure is worthwhile will be an individual decision.

That said, few would argue one simple fact: You *can* get better sound if you go beyond the basic, popularly priced receiver-speakers-CD player trio.

• **Music Sources.** You can buy a CD player for \$179, or one with similar features and cosmetics for \$2,079—what's the difference? Most audiophiles would agree that the kilobuck model will sound better than the budget special, thanks to more stringent engineering, higher-quality parts, and carefully optimized D/A converter hardware. The same buffs, though, would probably agree that the sonic differences, even between such disparate models, would be small—and nowhere near as significant as those between, say, speakers tagged at \$3,000 and \$300.

Moving up the CD changer food chain reveals similar differences in sonic performance, for similar reasons. More expensive models may also deliver more elaborate features, such as library facilities that display disc titles (if you've taken the time to enter them the first time around) or remember the order of tracks you programmed for each disc or magazine.

The distinctions among analog cassette decks are more meaningful. Moving from a basic, \$149 deck to a serious \$1,500 recorder takes you from merely good recordings to ones that are usually indistinguishable from their CD originals. Top-end decks equipped with Dolby S—the latest evolution of tape noise reduction from Dolby Laboratories—can rival digital tapes in their clarity, detail, and lack of audible noise.

DAT has gotten a terrible rap in consumer circles, but it's a worthwhile option. Basically, it can essentially duplicate a CD; most buffs find little if any sonic difference between the original and copy. DAT can also be employed to archive analog sources like LP's and cassette tapes. The current lineup of DAT's ranges from tiny portables to traditional, shelf-sized components; pricetags go from well under \$1,000 (at retail) to well over \$2,000.

I should add that the analog LP record remains an important hi-fi source; some LP's will never be made available on CD,

and some audiophile holdouts even prefer the sonics of good old vinyl over all other comers. Today's standard-issue, \$200 turntable-and-cartridge rig is remarkably good, delivering perhaps 80 percent of what the technology has to offer. To get that last fifth of performance you enter the fascinating land of high-end turntables, where the platter mechanism, tonearm, and cartridge are often purchased separately to form a custom assembly. A truly high-end system can easily ring up at over \$1,000. At this price, it should offer less rumble for improved dynamic range, inaudible wow-and-flutter, and plainly better sound.

• **Separate Components.** Most basic stereo systems employ a receiver, but the high-end fan often goes the separate-components route, breaking the receiver's functions into three discrete units: a control preamplifier, an AM/FM tuner, and a power amplifier. This costs more—typically, almost twice as much as a comparably powered receiver. Many buffs, though, feel that the sonic refinement and flexibility you get with separates are worth the cost.

Paradoxically, separate preamps usually offer far fewer features than receivers. It's rare to find multicolored displays or built-in equalizers, for example, and many preamps even omit tone controls. Instead, separate preamps usually emphasize simplified circuitry and top-quality internal components, with the goal being to deliver maximal signal purity and, so the reasoning goes, the ultimate in sound quality.

Many separate tuners also appear simple, often with little beyond a single tuning knob and a power switch. While the AM/FM performance of today's topnotch receivers is superb, the very best performance—in terms of station-pulling abilities and sound quality—is still delivered by separate tuners. If audiophile-grade FM listening is one of your top priorities, a high-end tuner will simply deliver the goods better than most receivers. (Note that a good external antenna is every bit as important here.)

The best justification for separates is the power amplifier. The decision to go with a separate amp lets you give your system just what it needs. Separate amps start at your basic, \$400 model and jump to unabashedly high-end, four-digit-price all-tube behemoths; power ratings begin with a few dozen watts and climb to several hundred watts per channel. Some audiophiles argue that power amps dramatically affect a system's sound quality; others, including many engineering types, believe that amps generally sound the same. It's a lively debate, and your personal position is purely up to you.

• **Signal Processors.** Devices that modify, or process, audio signals range from the simple (equalizers) to the complex (digital-signal-processing surround-sound devices). You don't have to get one or several of them, of course, even for a

dizzily high-end system; in fact, many audiophiles avoid them like the plague. (Their rationale goes that the less there is between the source component and the speakers, the better.) Equalizers can be useful, though, in correcting the sonic anomalies introduced by an acoustically problematic listening room or deficient source material, like historical recordings.

Likewise, surround processors can add a convincing three-dimensional aspect to music reproduction; those that include Dolby Surround or Dolby Pro Logic modes can even help to turn a hi-fi system into a multimedia home theater for movie viewing. Adding a surround processor to your system can be cost-effective, but you'll need additional speakers and more amplifier channels.

And then there's the "outboard" D/A converter. This component accepts digital signals from a CD player or DAT deck and performs the magic that reconstitutes them into an analog audio music signal—a chore normally accomplished within the CD or DAT component. Why add a redundant item? Because many high-end listeners say outboards make their systems sound better, with greater "transparency" to the sound and a more accurate image.

• **Speakers.** It's not easy to describe what separates "high-end" speakers from the rest of the pack—other than price. You can purchase a pair of competently designed, well-made two-ways for \$300, for example; alternatively, you can buy a pair that are of similar size and have the same number of drivers for \$2,000. Once again, the Law of Diminishing Returns dictates that audible differences will grow ever smaller as the pricetag goes up. Audition a pair of expensive speakers with classical or traditional jazz music, though, and you should hear more natural instrumental tones and definition, as well as a more lifelike sense of the musical soundstage.

Relatively expensive speakers can also afford to be larger without cutting corners on components or engineering quality: naturally, big but inexpensive speakers have to skimp somewhere. The benefits of a well-designed large speaker are the ability to deliver the elusive bottom-most octave of bass and—when sufficient amplifier power is on tap—sound that is effortless, even with music that has an extremely wide dynamic range. To get it all—full-range bass, unrestricted dynamic range, and top-drawer musical refinement and imaging—you will inevitably be propelled into the world of truly high-end speakers: big ones with big, four-digit pricetags.

As always, an audition will let you know if this extreme is for you. When pitting expensive and inexpensive speakers against one another, listen to them for an extended period: a whole movement of a symphony, or at least two or three cuts of rock or jazz.

(As ever, make sure that the speakers you're comparing are accurately matched in terms of level; the louder speaker will almost always sound better.) Try to isolate yourself from all distractions and listen "through" the system: listen for detail in instruments, richness in vocals, a sense of spaciousness, and an almost organic sense of naturalness. Other things being equal, the speaker that lets you do this with the least effort and for the longest span of time is probably the best, most truly "high-end" choice for you. Remember, too, that music enjoyment is a very personal affair, and a salesman's favorite speaker—or a magazine reviewer's—might not sound natural to you.

SHOPPING FOR HIGH-END GEAR is much like shopping for any other audio product. Look for an attractive deal, but keep in mind that high-end equipment is rarely discounted like mass-market goods; often, it can't be, due to manufacturers' pricing structures. Resist the temptation to take a salesman to heart as a co-member of an elite, audio-afflicted fraternity; on the other hand, a knowledgeable and responsible salesman can be a priceless guide through the thicket of conflicting, occasionally bizarre high-end designs and manufacturers' claims.

One other rule of shopping is even truer at the high-end: Any listening room will profoundly influence music reproduction, so what you hear at the store will not necessarily be duplicated at home. Be sure to get a home-listening trial or a return or exchange privilege before you buy.

—Daniel Kumin

High-end  
heaven:  
B&W's Matrix  
803 speaker  
(\$3,000 a pair)  
and Counter-  
point's SA-100  
tube amp  
(\$1,395).





**Nakamichi's CassetDeck 2 (\$399) boasts both Dolby B and Dolby C noise reduction.**

**Ported authority: Infinity's SM 112 speakers (\$738 a pair) provide both treble and midrange level controls.**



bing, process a snap. Almost all of these decks also let you dub tapes at double speed, reducing the amount of time you have to wait around. While these double decks are definitely convenient, they usually make tapes of lesser quality, particularly when the high-speed mode is used. So if you want truly high-quality dubs, you may want to spend a few more dollars for a good single-transport machine and borrow a friend's deck when you want to copy tapes.

All component-grade cassette decks can record on the three types of tape available today: Type I ("normal"), Type II (chrome or "high-bias"), and Type IV (metal). Most decks adjust themselves automatically to

accommodate the type of tape you're using (by sensing standardized cutouts in the cassette shell), but provide only an approximate match. So some machines offer a "bias-trim" control of one sort or another, which lets you adjust your machine for a particular brand and model of tape. This is an important feature, since every different type of tape has different bias requirements, and mismatches can seriously degrade sound quality. If the cassette deck you like doesn't offer a bias control, ask a salesman to help you find the tape that performs best with your deck—then buy a big supply of it.

Despite their prevalence in the marketplace, cassette decks aren't perfect. While most machines now boast very acceptable wow-and-flutter values of 0.1 percent or better (that is, lower), for example, even speed irregularities of this magnitude quickly become audible—and annoying—when dubbing. Cassettes also suffer from relatively high levels of noise or hiss, although this weakness has been tackled over the years by various means of noise reduction. "Dolby B" is by far the most common, and you should consider it the absolute minimum. Most of today's decks also include Dolby C noise reduction, which produces even better-sounding tapes. Note that the two Dolby systems are incompatible, and that tapes made with Dolby C lose fidelity unless they're played on a deck that offers Dolby C; this could be a hassle if your portable or car deck doesn't have it (many don't). Yet another noise-reduction option is Dolby S, while a handful of machines also include a totally different noise-reduction scheme called dbx, which is very effective—but incompatible with all of the Dolby's. In any case, a good deck should have a signal-to-noise spec of 60 dB or higher; methods of measuring this spec differ, however, so it's a good idea to give any cassette deck you're considering a thorough listening evaluation.

Finally, many cassettes positively bristle



## OUR OPEN-DRAWER POLICY. CHANGE UP TO FOUR DISCS WHILE STILL LISTENING TO ONE.

Technics' open-drawer policy is very simple. It enables you to change any four discs while the fifth keeps on playing. And it's standard policy on all our new 5-disc rotary CD changers. So no one ever has to miss a beat. Or wonder why the music stopped.

But this ingenious playback system isn't the only thing that makes our new CD changers, like the SL-PD827, the life of the party.

It's engineered with innovative MASH\* 1-bit DAC technology. As an

improvement over conventional DACs, we use high-order oversampling and noise-shaping technology. So every musical detail and nuance on your CD is faithfully reproduced.

There's even a feature called Delete Programming. So if you just want to hear your favorite songs, all you have to do is "delete" the tracks you don't want to hear, instead of programming track by track.

What's more, our advanced digital servo system reads each disc individu-

ally. It can tell if the disc is slightly off center. Or if the disc is warped, dirty or scratched—all of which can cause skipping. Our CD changer detects these problems and makes the appropriate adjustments. So nothing gets between you and incredible CD sound.

Technics' open-drawer policy. It lets you listen to one, while changing four so no one has to "take five."

**Technics**  
The science of sound

\*Panasonic developed the world's first MASH-type DAC. MASH technology was invented by NTT (LSI Labs). MASH is a trademark of NTT.

with "convenience" features. They may or may not be worthwhile to you, but they all cost money. The trick is to determine which ones you'll really use and forget about the rest. The ability to access specific tracks CD-style may be neat at first, for example, but if you usually listen to your tapes all the way through, there really isn't any reason to pay for it.

Compact disc players are the real heavyweights in today's systems. The CD offers extremely quiet, pristine sound with very convenient playing features such as instant access to tracks. Many recordings are also being released on the CD format only, and this trend is likely to continue unless DCC, MD, or some other new format proves popular. It's entirely sensible, therefore, to include some kind of CD component right from the start. Fortunately, this can be done without wrecking your credit limit.

Singling out a player from the field of contenders can be tricky, since conventional specs like frequency response and signal-to-noise ratio, the touchstones of earlier components, are practically irrelevant when it comes to the CD: the reason is that even most inexpensive models have extremely good response and S/N specs. Other specs are confined to the realm of the CD, however. Linearity, which rates the accuracy of the signal at low levels, is largely a moot point now that the majority of modestly priced players employ so-called "1-bit" or "Bitstream" digital-to-analog converters, which have proved to be very effective in this area; nonlinearity isn't a problem in virtually all expensive models, either.

Likewise, the topic of D/A conversion includes discussions on the merits of two-, four-, eight-, and sixteen-times oversampling, single versus dual converters, 18- versus 20-bit conversion, and more. The bottom line here, though, is that even inexpensive models usually employ at least four-times oversampling, which is fine; as for the other considerations, there are many excellent designs in each area, and the reputation of the manufacturer is of greater import. Basically, if the model you're interested in is made by a reputable, name-brand company, you really don't have to worry about these technicalities unless you consider yourself a buff and want to research the matter further.

As with a cassette deck, determine which CD features will really be useful to you—and which won't. Look at the remote control, if one is supplied: Is it well laid out? Press the player's track-skip control or, if it offers them, one of the buttons that offers instant access to tracks; a good player moves quickly from track to track. Ex-

**Pristine sound  
and instant track  
access make CD  
players the  
heavyweights  
in today's systems.**

amine the front-panel display: Is it clear? Does it tell you what *you* need to know?

Above all, consider whether you'd prefer a CD changer, which can hold a minimum of five discs at once; you can even program a changer to play a selection of cuts from each disc. I've found that "carousel" changers are the easiest to operate. They hold five (or, in one case, six) discs around the perimeter of a large tray. A popular alternative is the "magazine" changer, in which six or ten discs are placed in a plastic caddy, which is in turn inserted in the changer. You can even store discs in the magazine on a permanent basis, and some models recognize them and reactivate your original programming commands every time a specific magazine is inserted. Most magazines can also be used in car changers made by the same manufacturer, although there is little compatibility from one brand to another. There are even a few changers that employ two or even three magazines, and some that team a magazine with a single-disc drawer.

#### MISSION CONTROL

While super-sophisticated hi-fi systems usually use individual components to perform every function (see "Going Up?", page 8), integrated components like the receiver typically don't involve a sacrifice in quality. Many truly excellent-sounding systems are built around components that contain switching, volume, and tone-control functions plus power amplifiers in one chassis. Such a product is called an "integrated amplifier"; if it also contains an AM/FM tuner section, it's called a "receiver." By far, the majority of basic systems are built around receivers.

The reason often has to do with money. Putting a large number of components in one chassis and running them with a single power supply avoids costly duplication. There may be some sacrifice in flexibility

or ease of use—there is a limit to the number of switches and knobs one panel can hold, a fact that apparently hasn't dawned on some receiver designers—but that will only be a problem if you have specialized requirements, like the need to have three tape decks up and running or want to use two or more signal processors. For most people, though, the savings in cost, shelf space, and wiring complexity outweigh other considerations. You certainly won't sacrifice very much in the way of features, particularly with today's audio/video (A/V) receivers, which routinely offer both audio and video switching, a multitude of input and output options, and adequate power for all but the most earth-shaking applications. Many A/V receivers and integrated amps also contain surround-sound circuitry, including the ultra-sophisticated Dolby Pro Logic, and are suitable as the basis of very sophisticated multi-channel home-theater systems.

There are so many features, in fact, that your main difficulty in choosing a receiver may be deciding what you *don't* need. Every one costs something, of course, so the more functions a receiver has at a given price, the greater the chance that sacrifices have been made elsewhere in its design. The most common place to skimp is the power-amp section, one very important aspect of any receiver or integrated amp. When checking out receivers, look first at the amplifier power (in multichannel surround receivers or integrated amps, the most important amp channels are the main front stereo pair, since center and rear surround channels require less power). How much power you need depends on the speakers you buy, the room you'll be listening to them in, and, to some extent, the type of music (and video) programs you want to enjoy. The number of watts you come up with will form the basic requirement for the receiver or integrated amp. Whatever else a particular model will do, if it has inadequate power for your needs, don't buy it. Most basic but still hi-fi systems are built around receivers or integrated amps that deliver from 60 to 100 watts to each of the main front speakers; 20 to 30 watts for the center and each of the rear surround speakers should suffice.

Even after you've eliminated under- or over-powered models, there will still be a wide field to choose from, and that's the time to start considering features. Don't be overly concerned with specs: virtually all of today's name-brand receivers deliver excellent sound. But, if you listen to a lot of radio and reception is a problem at home, you should audition the tuners in as many receivers as you can. While reception con-

The only  
reason not to  
buy an Onkyo  
CD Carousel  
is if you're  
into antiques.

# The World's First 6 Disc Carousels



With the introduction of the world's first six disc carousels, Onkyo takes the CD changer into the future and consigns all other models to the past.

But, Onkyo's new DX-C909, DX-C606, and DX-C206 6 Disc Carousels don't accomplish this by just being "one better" than conventional 5 disc players.

The Integra DX-C909, for example, incorporates design elements usually reserved for only the most costly single play components.

It utilizes Onkyo's proprietary Single Bit D/A Converters and AccuPulse Quartz System for unsurpassed linearity and stability, resulting in musical reproduction that's indistinguishable from the original performance. Onkyo's AEI Transformer eliminates electro-magnetic flux leakage (a hazard common to other players) that can cause distortion. A copper plated chassis provides greater shielding and lower noise levels, while optical outputs insure the purest possible signal transmission.

With Onkyo's new six disc carousels, optimum engineering joins breakthrough convenience for the first time as well. Onkyo's Next Selection Function lets you change the next track programmed without interrupting the track that's playing. No other carousel, magazine changer or single play machine has this ability.

So, if you're purchasing a CD changer, Onkyo's new carousels are really the only choice you have.

Unless you're into antiques.



## ONKYO®

200 Williams Drive, Ramsey, NJ 07446 201-825-7950



**Wide receiver:**  
**Sherwood's RV-5010R**  
**A/V receiver (\$300)**  
**has a Dolby Surround**  
**decoder and thirty**  
**AM/FM presets.**

**JBL's LX 500 (\$319)**  
**contains a 10-inch**  
**polymer-laminate woofer,**  
**a 5-inch midrange,**  
**and a 1-inch titanium-**  
**dome tweeter.**



ditions in the store are likely to differ, the results will still give you a good indication of the tuners' quality.

#### **SPEAKER OF THE HOUSE**

Speakers are by far the most important components in *any* audio system. They, more than anything else, determine its sound quality, so you should spend most of your shopping time auditioning them. There are, however, plenty of things you can do to narrow the field before you begin your search.

Start with cost. More than with any other type of component, speaker quality can be independent of price—there are very expensive speakers that sound terrible, and there are very inexpensive but great-sounding models too. With name-brand manufacturers, though, quality generally increases with price. The question only you can answer is, "Are the increases *appreciable*," especially if the price of a certain model exceeds your budget.

The next thing to consider is physical size. This one is simple, since there's no point in considering speakers that just won't fit in your listening room. In terms of performance, your decision will involve a trade-off in size vs. sensitivity vs. bass output. A small speaker usually requires more watts than a large one to produce the same amount of sound, and that tends to affect bass performance (it sops up most of your power). As a rule, if you want to play music and/or videos at rock-concert volumes and get gut-wrenching bass, you'll probably need floor-standing speakers (and an appropriate amount of power). Can you accommodate them? If your listening needs are more modest, smaller "bookshelf" speakers should be adequate; and, despite the size/power maxim mentioned above, small speakers usually don't require the *prodigious* amounts of power they once did to get even reasonably loud without sacrificing musical accuracy, which, by the way, should be the goal of any system aspiring to hi-fi status.

Another space-conscious option is the subwoofer/satellite system. While the

speaker drivers that reproduce mid and high frequencies have to be positioned carefully to create a realistic "sound stage," the drivers that reproduce low frequencies usually don't, so woofer placement may be more a matter of convenience. Subwoofer/satellite systems break the conventional stereo speaker pair into a three-piece entity, with two small mid- and high-frequency-producing satellite speakers and one largish subwoofer module. The subwoofer can be placed under a table or behind a couch, usually with little in the way of unpleasant side effects (in some cases, the subwoofer can cause the table or couch to resonate). In small rooms, a subwoofer/satellite system is often the best answer to the small-space/big-sound question. And with the increasing popularity of surround-sound home-theater systems, four or more satellites teamed with one or two subwoofers is a relatively inexpensive and effective option.

In the end, the speakers you choose must fulfill two sonic requirements: They must produce enough output before distorting to satisfy you, and you have to like the way they sound. First, consider that the larger your room and the "deader" its furnishings, the greater the acoustic output you'll need; to get that output, you have to come up with the right combination of amplifier power and speaker sensitivity. The latter is usually rated in decibels of sound pressure level (dB/SPL) for an input equivalent to a 1-watt output (or 2.83 volts into 8 ohms) and measured at a distance of 1 meter in an anechoic chamber. If you're scouring spec sheets, make sure that these qualifiers are attached to the manufacturers' sensitivity ratings: numbers in the high 80's are considered quite sensitive, while anything over 90 dB is very sensitive. For every increase of 3 dB, half the amplifier power will be required for a given acoustic output, and vice versa. In any case, speaker sensitivity of 88 dB and amplifier power of 60 to 100 watts per channel should deliver adequate output in most listening rooms.

As for sound quality, the only thing to do is listen—a lot. The considerations dis-



The only  
reason not to  
buy an Onkyo  
Pro Logic  
Receiver is if  
you're into  
antiques.

# The World's First Full Digital Dolby Pro Logic Receiver

Onkyo's new Integra TX-SV909PRO offers home theater performance so advanced, other receivers are destined for some unhappy endings.

The TX-SV909PRO is the world's first receiver to feature a full digital Dolby Pro Logic surround decoder. The technical benefits are significant: improved signal-to-noise ratio, lower distortion and greater separation. To your ear this means Dolby surround sound that is identical to a first class theater, with pinpoint imaging of all dialog, music and sound effects.

The TX-SV909PRO is also the world's first receiver to incorporate the acclaimed Ambisonic Surround Sound System, which is to music what Dolby Pro Logic is to movies. The Ambisonic process recreates a 360° soundstage, with a seamless, natural transition from the front to rear speakers. Ambisonic recordings (such as those on the

Nimbus label) played back through the decoder on the TX-SV909PRO deliver a sense of musical time and space that is more lifelike than anything you've ever heard.

The high technology found in the TX-SV909PRO can only be achieved by Onkyo's dedication to uncompromised engineering. That's why the TX-SV909PRO features 7 Discrete Power Amplifier Sections and 3 Independent Heavy-Duty Power Transformers. True Multiple Room/Multiple Source capability is assured via this 7 channel design as well - you can have full 5 channel Pro Logic in your home theater/media room while someone in the bedroom listens to a CD in stereo.

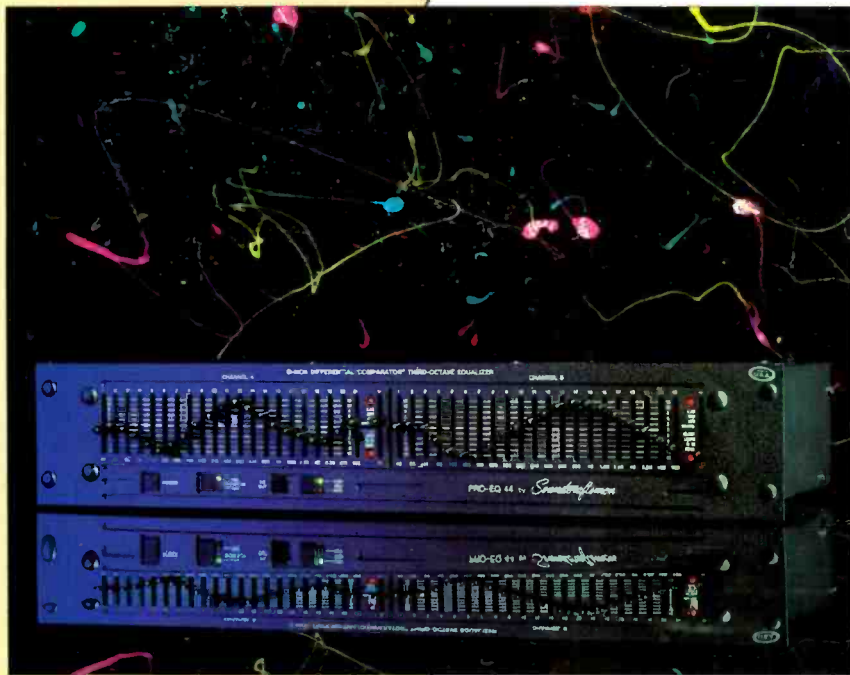
In addition to the TX-SV909PRO, Onkyo offers an entire family of advanced Pro Logic Receivers. Which means if you're looking for unequalled home theater performance, Onkyo is really the only choice you have.

Unless you're into antiques.



## ONKYO®

200 Williams Drive, Ramsey, NJ 07446 201-825-7950



**Ambient reflections:  
MTX Soundcraftsmen's  
Pro EQ-44 (\$549) is  
a stereo graphic  
equalizer with  
twenty-one  
frequency bands  
per channel.**

**Denon's DCD-690 CD  
player (\$300) offers  
twenty-track  
programming and  
a music calendar,  
and it's compatible  
with Denon's IS-system  
remote control.**

cussed above will eliminate a lot of unsuitable candidates, but there are sure to be many attractive speakers remaining. The *only* way to make your final choice is to spend as much time as you can listening to them. Get the salesman to set up the most promising models side by side in his listening area so that the arrangement comes as close as possible to your own listening room; placing them side by side, and away from room corners, is essential, since a speaker's surroundings can radically alter its sound and disrupt the integrity of your evaluation. Audition speakers two at a time using your own music, and make sure that the speakers are playing at the same level—a speaker that's only slightly louder will almost always seem better, even if you can't characterize the difference as one of level. While it's unlikely that one store will carry all of the candidates you want to audition, you should compare each one to at least a couple of the others and take notes, even if it means you have to haunt several stores. It bears repeating that your choice of speakers is the most important

decision you'll make, so take your time and have faith in your instincts.

When you've made a choice (but before you buy), make sure you know the shop's returns policy. However thorough your auditions may have been, your speakers *will* sound different at home than they did in the store. If they suddenly are unacceptable, you'll be happy to know that you can return or exchange them.

#### WHERE AND WHY

If you've bothered to read this far, you'll probably find yourself spending a lot of time in hi-fi stores before you buy. This should not only help you decide what you want to buy but also where you want to buy it. A good audio shop should have salesmen who are knowledgeable, helpful, and tolerant. Remember, too, that they're trying to make a living; you may have to patiently share their time with other customers, particularly if the shop is busy. In fact, the best time to shop is not on Saturday or Sunday but on a Monday, Tuesday, or Wednesday evening.

Pricing policies are important as well, of course, but prices have to be weighed against other benefits. A specialty store may charge more for a particular component than the discount store across the street, but it's more likely to back up what it sells after you've bought something and taken it home. The specialty shop might even set up the system as part of the price. Such factors, plus the range of products a store carries, should be assessed when you are making the rounds. If you can manage to source your whole system in one store, you are likely to get both price concessions and to establish an ongoing relationship that may come in handy if—*horrors!*—your equipment breaks.

IT'S TRUE: All of the equipment on store shelves can be intimidating, but don't worry. There are plenty of components that combine low cost, high quality, and ease of operation. It *will* take some patience and determination to find what's right for you, but I guarantee it will be worth the effort. □



SONY



**Putting a Whole New Spin on Personal Music Enjoyment.**



## **MiniDisc: Digital Audio Gets Personal.**

It all started with the Compact Disc. When Sony launched the CD just 10 years ago, we introduced the concept of an optical-based digital audio disc. And we gave music lovers their first taste of digital high fidelity with quick random access. Music was finally free of analog noise, wow & flutter and distortion. The CD brought the home listener a giant step closer to the original musical source.

Over the past decade, Sony has taken these high standards, and raised them even higher, with wave after wave of CD player innovations. We've also improved CD software by developing a new generation of professional 20-bit studio recorders. And now Sony's critically-acclaimed Super Bit Mapping™ technology achieves near-20-bit performance on standard 16-bit Compact Discs.

These refinements have helped keep Compact Disc at the cutting edge. But as advanced as Compact Disc undoubtedly is, it has never provided many benefits that until now have been the exclusive domain of cassette tape, like recordability, shock resistance and ease of portability. That's why Sony is about to introduce the next step in the digital audio revolution: MiniDisc.

### **MiniDisc: The New State of the Art in Personal Audio.**

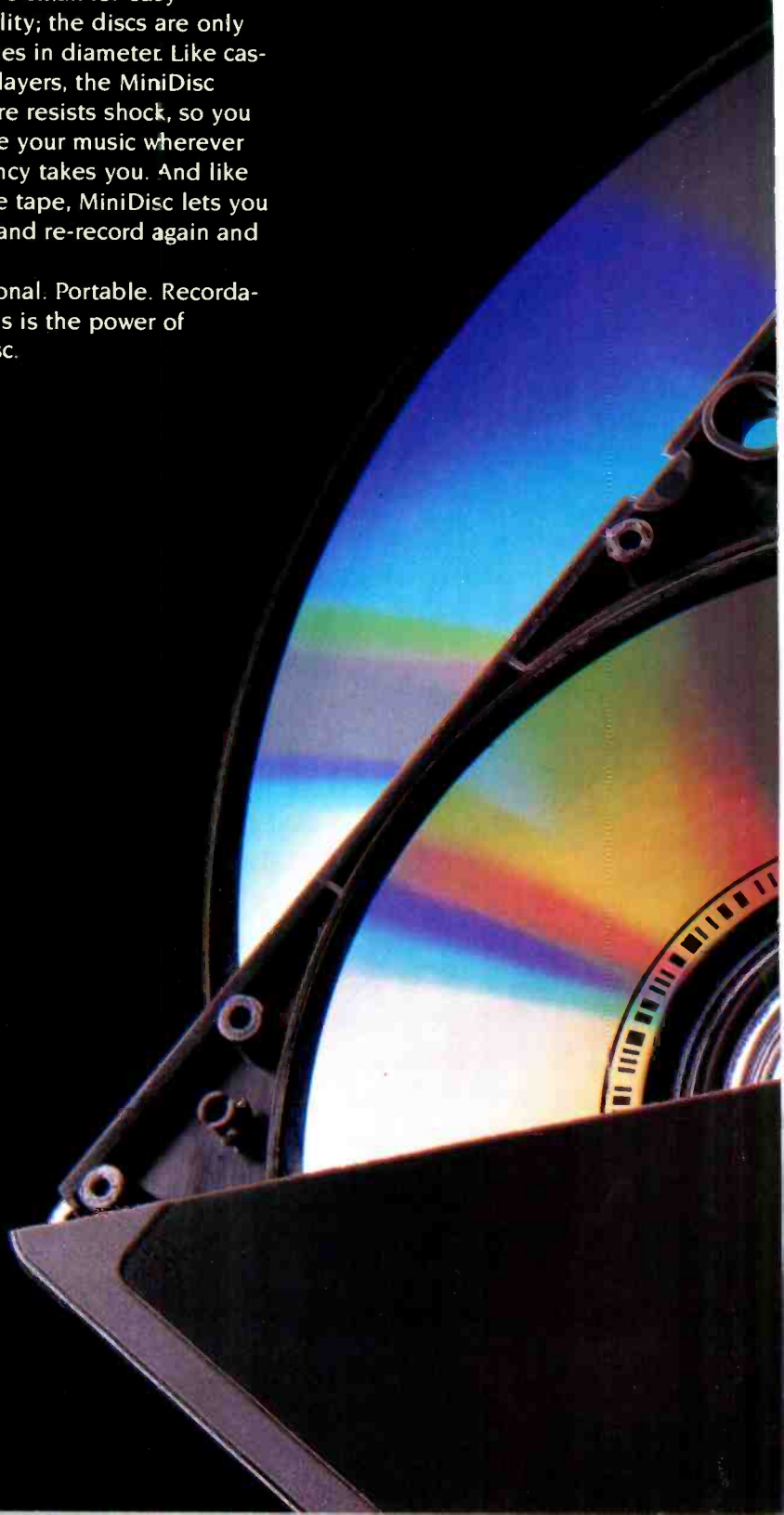
Sony's MiniDisc is an all-new format with an unmatched range of possibilities. Like the Compact Disc, MiniDisc boasts up to 74 minutes of spectacular digital sound—nearly the same sound quality as CD itself. Like CD,

you can access any song in less than one second. And the MD is just as durable as a CD, so you can play an MD millions of times without any degradation or wear.

MiniDisc also offers the key advantages of cassettes. MiniDiscs are small for easy portability; the discs are only 2.5 inches in diameter. Like cassette players, the MiniDisc hardware resists shock, so you can take your music wherever your fancy takes you. And like cassette tape, MiniDisc lets you record and re-record again and again.

Personal. Portable. Recordable. This is the power of MiniDisc.

COMPACT DISC  
**10**  
10<sup>TH</sup> ANNIVERSARY





FS-51E

M D

M D

## MiniDisc: Great Sound Wherever You Go.

Imagine a disc player you can take anywhere you go, any way you travel. Imagine discs so small that several can fit in a shirt pocket. Yet imagine each of these discs containing up to 74 minutes of stereo sound reproduced with the superb clarity of digital technology. How could Sony put so much music on a disc so small? The answer is a technological tour de force called ATRAC.

### ATRAC: Minimum Size, Maximum Music.

ATRAC stands for Adaptive Transform Acoustic Coding, the proprietary bit reduction technology that makes MiniDisc possible. The system uses psychoacoustic threshold of hearing and masking principles to analyze the music and record only those tones to which the human ear is most sensitive. ATRAC captures music that approaches CD performance in areas like frequency response, dynamic range and distortion on a disc only one third the size of a Compact Disc.

ATRAC is unique among bit reduction systems because it performs a comprehensive, non-uniform frequency and time analysis of the music. It divides

the audio signal into three separate bands and 512 frequency spectra, with unequal widths that mirror the ear's sensitivity to different frequencies. Finally, ATRAC constantly varies the allocation of bits according to this analysis.

While ATRAC technology is complex, the benefits are simple. Extended record/playback time. Miniature disc size. And outstanding digital sound. It's no wonder that award winning producers and engineers like George Massenburg have acclaimed ATRAC technology as "A significant technological breakthrough—not a rework of arcane hardware. It just sounds great!"

### Rugged Cartridge.

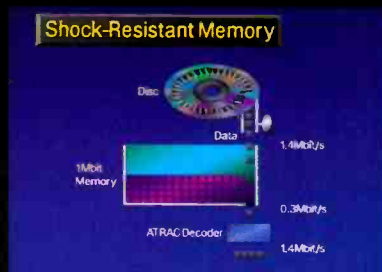
MiniDisc may be small, but to make it truly portable, Sony placed it in a protective cartridge. So MiniDiscs are ready to travel. You can toss them in a glove compartment, briefcase or even your pocket.

### Phenomenal Shock Resistance.

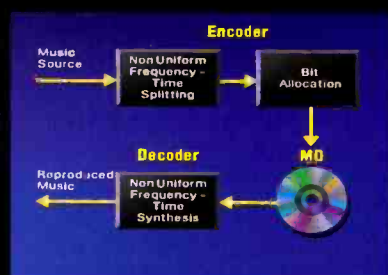
Most CD players try to resist skipping by means of an oil-damped or mechanical suspension. MiniDisc hardware takes an altogether different approach: a revolutionary method called Electronic Shock Protection (ESP).

The heart of ESP is a buffer memory chip that stores digital data from the disc. Thanks to ATRAC bit reduction, a four Megabit chip corresponds to ten seconds of real-time music. So if shock and vibration should make the laser mistrack, music will continue to flow for up to ten seconds. This gives the laser ample time to resume proper tracking, so your music never misses a beat. In this way, MiniDisc matches today's active lifestyles, letting you bring high-

quality digital sound where it's never been before.



As a prerecorded medium, MiniDisc offers still other advantages, like Text Mode. It's an eye-catching display of the disc's title, track title and even the artist's name. Text Mode is just one more example of how MiniDisc puts a new spin on personal music enjoyment.

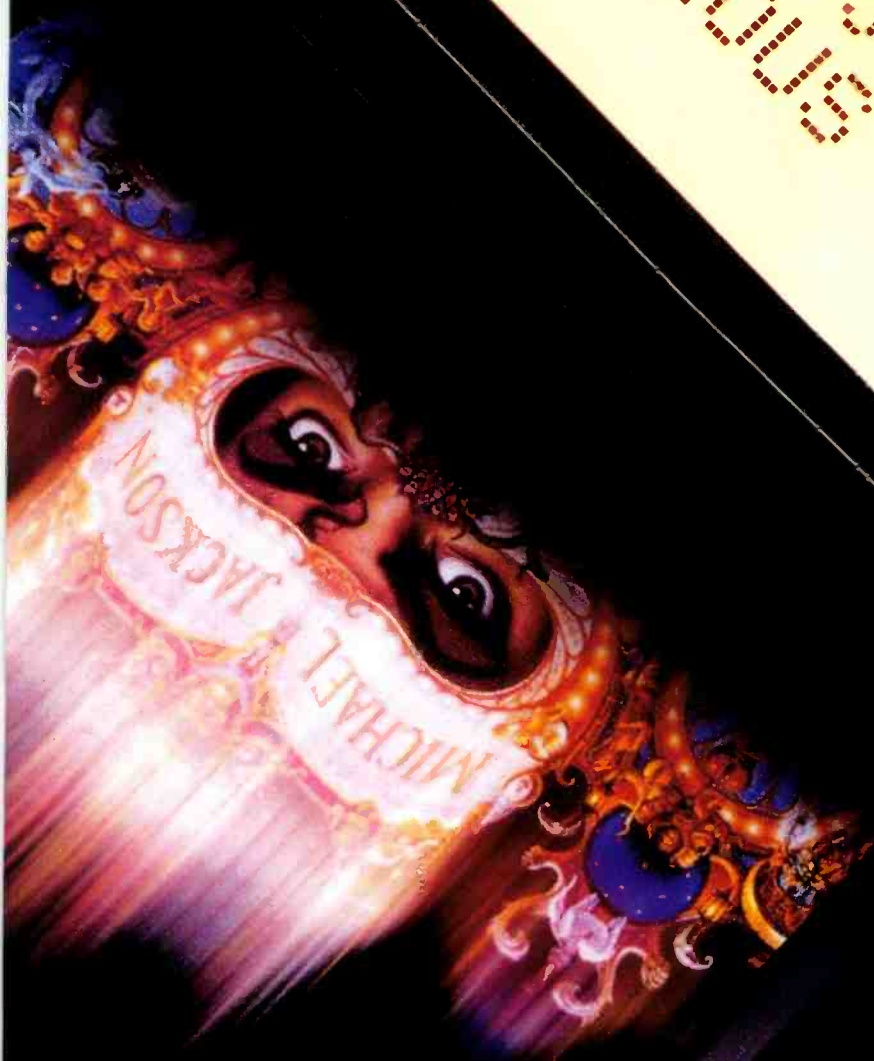


UNLIKE OTHER BIT REDUCTION SYSTEMS, ATRAC PERFORMS NON-UNIFORM FREQUENCY AND TIME SPLITTING.

SONY

DBB

MICHAEL JACKSON  
DANGEROUS



STOP/CHARGE

## At Long Last, You Can Record on a Disc.

For over forty years, audio recording has meant tape recording. And while tape recording is better than no recording at all, it's always been plagued by tape shedding. Tape stretching. And occasionally even tape jamming.

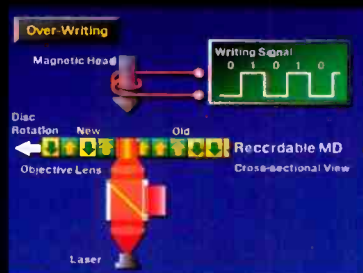
All of this is about to change, thanks to MiniDisc. For in addition to playback-only prerecorded MiniDiscs, there's also another type of MiniDisc you can record yourself. In fact, with MiniDisc you can record and re-record again and again, up to a million times on the same disc! And MiniDisc recordings provide far faster random access than any tape can, as well as new features that tape formats simply can't touch.

### Magneto-Optical Recording.

While prerecorded MiniDiscs use the same laser-read "pits" as Compact Discs, recordable MiniDiscs are different. They represent the first consumer product with magneto-optical technology. Unlike the "write-once" recordable CD's that professionals use, magneto-optical discs are erasable. So you can erase and re-record your MiniDiscs just as you can with cassettes.

Magneto-optical recording has long been used for computer storage. However, MiniDisc incorporates a "direct overwrite" capability that's entirely new. First, a high-power laser beam heats the disc's magnetic layer past the Curie point, the temperature above which the magnetic orientation is easy to change. Then, a semiconductor magnetic head

applies the signal from the opposite side of the disc. As the heated spot of the disc rotates away from the laser, it cools and the imprint from the magnetic signal remains embedded on the disc. Because erasing the disc requires at least 400 degrees, the discs are unaffected by stray magnetic fields that might ruin a tape recording.



IN THE MD RECORDER, A LASER HEATS THE DISC'S MAGNETIC LAYER WHILE THE SEMICONDUCTOR MAGNETIC HEAD RECORDS THE SIGNAL BY A MODULATED MAGNETIC FIELD.

As a result of this approach, you get a simpler mechanism. A more accurate spot pattern. Lower error rates. Reduced jitter. And lower power consumption, making battery-powered portable recording a reality.

### Take Control of Your Recordings.

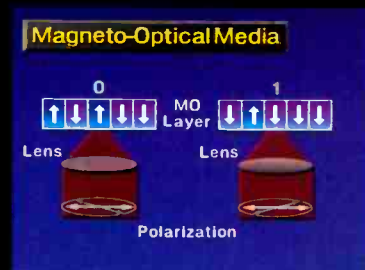
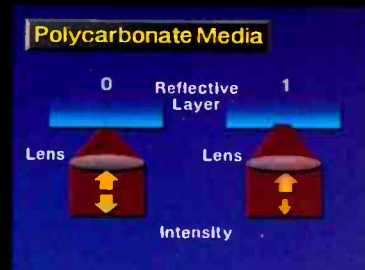
With MiniDisc, you can alter or adjust your recordings as never before. For example, you can easily re-sequence songs after you've recorded them by writing your new sequence into a section of the disc called the User Table of Contents. You can also edit out a track and all subsequent tracks will be automatically renumbered.

Finally, the MiniDisc format lets you re-record individual tracks, even substituting longer songs for shorter ones. When the recorder comes to the end of the original space, the buffer memory gives the machine up to three seconds to find avail-

able disc space and resume recording. So even if your music is recorded on two different sections of the disc, during playback it's never interrupted. To a generation raised on analog recording, these capabilities are nothing short of amazing.

### Playback without Pits.

Once recorded, a magneto-optical MiniDisc contains a spiral of magnetic patterns. During playback, these patterns reflect laser light at two different angles of polarization. (This is called the Kerr effect.) Remarkably, this same laser pickup is used for playing back prerecorded MiniDiscs. Both types of playback are performed without contact, so you get an unlimited number of plays without disc deterioration or wear.



PRERECORDED MINIDISCS USE CONVENTIONAL PITS (TOP). RECORDABLE MINIDISCS HAVE MAGNETIC PATTERNS (BOTTOM), WHICH THE PLAYER DETECTS BY THE POLARIZATION OF REFLECTED LASER LIGHT.



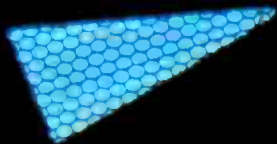
**60** min  
Digital Audio MiniDisc  
MDW-60

SONY

For Recording and Playback  
Quick Random Access

Mini  
DISC

REC



PAUSE

**Once a Dream.  
Now a Reality.**

MiniDisc technology sounds futuristic. But the future is now. And soon you'll be able to experience it for yourself.

Which means soon you'll be able to buy a Sony portable MiniDisc recorder; a portable MiniDisc player and a car MiniDisc player complete with AM, FM and CD changer control. And this is only the beginning because MiniDisc is supported by more than 30 consumer electronics companies.

For making your own disc recordings, you'll also be able to buy recordable MiniDiscs from Sony and others. And you'll be able to choose from hundreds of prerecorded MiniDisc music titles from such labels as Atlantic, Capitol, Columbia, DMP, Elektra, EMI, Epic, Ryko, Sony Classical, Virgin, Warner and others.

Once you experience MiniDisc for yourself, we're confident you'll share our enthusiasm for two digital audio disc formats. Compact Disc, which represents the ultimate in high fidelity performance. And MiniDisc, which represents something equally exciting—the new state of the art in personal music entertainment.



**SONY**

Sony Corporation of America  
National Operations Headquarters  
1 Sony Drive Park Ridge, NJ 07656

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(MiniDiscs Shown Actual Size)

# STEREO BUYERS' GUIDE

**W**ELCOME to the world's most complete listing of stereo components. In the following 191 pages, you'll find detailed information on features plus performance specs and prices.

The listings are divided into component categories and are ordered alphabetically by manufacturer. Within each manufacturer's section, components appear in descending order of price.

Features and specifications have been supplied by the manufacturers, and they have not been verified by STEREO REVIEW lab tests. We advise you not to base purchasing decisions on specs alone.

Note that all prices listed in this guide are manufacturers' suggested retail, or list, prices. Actual selling prices are likely to vary from dealer to dealer.

For more information about products mentioned in this guide, contact an authorized dealer or the manufacturer. Manufacturers' addresses and telephone numbers are listed in the directory beginning on page 209.

**18 CD Components**

**50 Tape Decks**

**58 Tuners**

**61 Turntables**

**64 Cartridges & Tonearms**

**69 Receivers**

**79 Integrated Amplifiers**

**83 Power Amplifiers**

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**110 Signal Processors**

**117 Speakers**

**192 Headphones**

**197 Multiroom Components**

**201 Cables & Connectors**

**209 Directory of Manufacturers**

**215 Audio Glossary**

**ACOUSTIC RESEARCH**

**Limited CDP CD Player**  
Features xLR and RCA connectors. 15 lb ..... \$2,200

**ADCOM**

**GCD-575 CD Player**  
4x oversampling, dual 16-bit D/A converters. Selectable analog frequency/phase-contouring circuitry; 3-beam laser. Fixed and variable outputs. 24-track programming; 4 repeat modes; audible fast scan; 20-track music calendar; timer display; 3-in-CD compatibility; remote control. FR 5-20,000 Hz + 0.1, - 0.5 dB; THD 0.0025%; S/N 105 dB; ch sep 95 dB. 17 x 3 1/2 x 11 1/4 in; 12 lb ..... \$600  
With white front panel ..... \$650

**AIWA**

**CSD-SR3 Portable CD System**  
Features CD player with 20-track programming; quartz-synthesis tuner with 24 AM/FM presets; double cassette deck with synchro CD-to-tape/tape-to-tape dubbing in normal high speed. 3-in-CD compatibility. Clock with timer. 5 W x 2, 11 lb ..... \$310  
**CSD-SR1.** As above, single cassette recorder; CD-to-tape dubbing only. Features auto loudness. 4 W x 2, 7 lb ..... \$260

**CSD-XW305 Portable CD System**  
Features CD player with 16-track programming and 3-in-CD compatibility; digital-synthesis tuner; double cassette deck with synchro CD-to-tape dubbing; 4-in speakers. 2.4 W x 2 rms into 16 ohms. 25 1/4 x 7 x 8 1/2 in; 11 lb ..... \$302

**AMC**

**CD6 CD Player**  
1-bit D/A converter. Features interpolating digital filter; 4-pole Butterworth filter. 1 fiber-optic output; 1 coaxial digital output. FR 10-20,000 Hz ± 0.1 dB; THD 0.004% at 1,000 Hz; Signal-to-noise ratio 96 dBA; ch sep 90 dB from 10-10,000 Hz; output level 2 V rms at 0 dB ..... \$600

**ANODYNE GROUP**

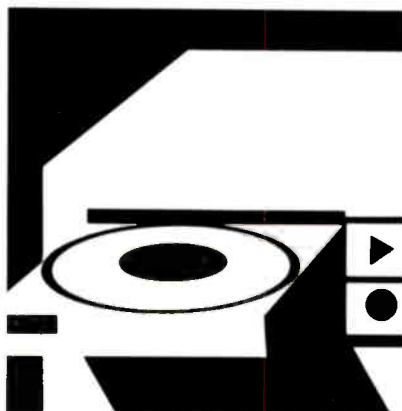
**ADAPT D/A Converter**  
8x oversampling; 18-bit D/A converter. Features discrete bipolar Class A current to voltage circuits; push-pull, vacuum-tube output stages. 1 coaxial-digital input; fixed and variable line-level outputs. Phase-inversion switch; muting for digital and analog circuits; auto selection of 32, 44.1, and 48,000 Hz sampling frequencies; FR 4-20,000 ± 0.3 dB; S/N 112 dB; THD 0.03%; 2.7 V output ..... \$2,495  
**FET-ADAPT.** As above, with high-current JFET output stage. No variable outputs ..... \$1,895

**ARCAM**

**Delta 170.3 CD Transport**  
Features fully floating die-cast single-beam laser mounted on damped aluminum chassis; 64K adaptive error correction; separately powered digital-output module; master oscillator. 75-ohm coaxial and fiber-optic outputs. Remote control. AT&T fiber-optic output optional ..... \$1,500

**Delta 70.3 CD Player**  
4x oversampling, dual 16-bit D/A converters. Features separate transformers; single-beam laser. Coaxial digital outputs. 20-track programming; 3-speed search; track skip; repeat; remote control. FR 10-20,000 Hz ± 0.1 dB; S/N 105 dB; dynamic range 96 dB. 17 x 3 1/2 x 10 1/8 in; 14 lb ..... \$1,500

**Alpha CD Player**  
4x oversampling, dual 16-bit D/A converters. Digital outputs. 3-speed search; track skip; 20-track programming. Frequency response 20-20,000 Hz ± 0.1 dB; S/N 101 dB; dynamic range 96 dB. Dimensions: 34 x 17 x 11 1/2 in; 8 lb ..... \$849



**Black Box 3 D/A Converter**  
Four 1-bit D/A converters. Separate power transformers for digital and analog sections; digital input polarity; absolute phase selector. Auto sampling-rate selection. 16 1/2 x 2 1/2 x 10 3/4 in; 11 lb ..... \$800

**AUDIO ALCHEMY**

**DDS CD Transport**  
2-chassis design. Mechanical damping system. Coaxial output; optional AT&T glass fiber-optic output. Remote control ..... \$999

**v2.0 DDE D/A Converter**  
1-bit D/A converter. 4 digital inputs and 3 coaxial/fiber-optic inputs; fixed line outputs. Absolute-phase switch; analog digital filtering ..... \$749

**v1.0 DDE D/A Converter**  
1-bit D/A converter. Analog/digital filtering. Coaxial and fiber-optic inputs; line-level and digital outputs. Selectable absolute phase ..... \$449

**XDP D/A Converter**  
1-bit D/A converter with dual-mono, fully discrete output section ..... \$499

**DTI.** Digital jitter filter for use any transport/converter combination ..... \$349

**AUDIO BY VAN ALSTINE**

**FET Tube CD Player**  
4x oversampling, dual 16-bit D/A converters. Features Class A hybrid vacuum tube/MOSFET driver circuits; toroidal transformer; regulated power supply; phase-gain tracking. 20-track programming; repeat; random play; time/track display; 3-speed track search with cueing; 3-In-CD compatibility; index selection and direct track access from remote ..... \$1,195

**Omega II CD Player**  
4x oversampling, dual 16-bit D/A converters. Features hybrid output stages and film-coupling capacitors; filter drivers with 200-V/μs slew rate; phase-gain tracking. 20-track programming; repeat; random play; time/track display; 3-speed track search with cueing; 3-in-CD compatibility; index selection and direct track access from remote control ..... \$395

**Delta CD Player**  
4x oversampling, dual 16-bit D/A converters. Features 30-V/μs IC audio stage and film-coupling capacitors; phase-gain tracking. 20-track programming; repeat; random play; 3-speed track search with cueing; 3-in-CD compatibility; index selection and direct track access via remote ..... \$295

**AUDIOLAB**

**Model 8000D D/A Converter**  
8x oversampling, 20-bit D/A converter. Features upgradable modular design; linear-phase analog output

filters; 9 power supplies; auto muting. 2 coaxial digital and fiber-optic inputs; 2 analog and 1 digital output. Frequency response 2-20,000 Hz ± 0.5 dB; signal-to-noise ratio 100 dB ..... \$1,295

**AUDIO RESEARCH**

**DAC1-20 D/A Converter**  
8x oversampling. Features 20-bit architecture; 3 separate power transformers for digital input and filtering stages, digital converter, and analog output stage; discrete circuitry, JFET input and MOSFET output; decoupled electrolytic capacitor; AC line filter at input. FR 0.01-20,000 Hz; S/N 100 dB; ch sep 100 dB at 1,000 Hz; phase linearity 0.5°; S/N 94 dB ..... \$3,495  
**DAC1-18.** As above, 18-bit design ..... \$2,995

**BANG & OLUFSEN**

**Continuous Music Module 10-Disc CD Changer**  
4x oversampling, dual 16-bit D/A converters. 10-disc magazine. Designed for integration into single or multiroom configurations. Random play; repeat; remote control compatibility with Beomaster 7000 receiver. FR 20-20,000 Hz + 1.5 dB, - 2 dB; THD 0.08%; dynamic range 96 dB; S/N 80 dB; ch sep 75 dB at 1,000 Hz. 11 3/4 x 3 7/8 x 7 7/8 in; 13 lb ..... \$1,250

**Beogram CD 7000 CD Player**  
4x oversampling, dual 16-bit D/A converters. Integrates with Beosystem 7000. Features front-loading drawer; digital Bessel filter; elliptical analog filter; 3-in-CD compatibility. Track/skip search; direct track access; track-time, elapsed-time, remaining-time, and track-index displays. FR 3-20,000 Hz ± 0.3 dB; S/N 110 dBA; ch sep 101 dB. Polished-aluminum or white finish. 16 1/2 x 3 x 12 3/4 in; 18 lb ..... \$1,250

**Beogram CD 4500 CD Player**  
4x oversampling, dual 16-bit D/A converters. Integrates with Beosystem 4500. Features top-loading mechanism; digital Bessel filter; elliptical analog filter; 3-in-CD compatibility. Track/skip search; direct track access; programming via optional Beolink 5000 remote control. FR 3-20,000 Hz ± 0.3 dB; S/N 110 dBA; ch sep 101 dB. Polished-aluminum finish with white trim. 16 1/2 x 3 x 9 5/8 in; 9.9 lb ..... \$900

**BMB**

**LV-220A Karaoke Combi-Player**  
Features built-in 35 W x 2 amp. Plays CD's and videodiscs. Pitch control; digital echo processor; vocal eliminator for MPX software. 2 mic inputs; line-level output; headphone jack. 20-track programming; remote control. S/N 100 dB. 16 5/8 x 6 1/2 x 16 3/4 in; 385 lb ..... \$2,000  
GR-2 graphic decoder for CD graphics ..... \$700

**CD-G100 Karaoke CD Graphics Player**  
Plays CD's and videodiscs. Features digital echo processor with volume control; graphic decoder. Pitch controller input and output; 2 mic and 3 video inputs. 20-track programming; random/repeat play; auto track scan; remote control. S/N 96 dB. 16 3/4 x 5 x 12 in; 18 lb ..... \$850

**LV-100 Karaoke Combi-Player**  
Plays CD's and videodiscs. Features digital echo processor; vocal eliminator vocals for MPX software. 2 mic inputs; headphone jack. 20-track programming; remote control. S/N 100 dB. 16 1/2 x 4 1/2 x 13 3/8 in; 27 lb ..... \$750

**CALIFORNIA AUDIO LABS**

**Genesis CD Player**  
1-bit MASH D/A converters. Discrete FET analog stages with balanced output. Computer-grade plug-in module with all digital electronics. Fiber-optic output ..... \$1,995

**Tercet MkIV CD Player**  
8x oversampling, 20-bit hand-trimmed D/A converters. Features dc-coupled output stage; 23 separate

regulated power supplies; FET input; 24-bit digital filter; custom clock module; EMI filter; plug-in digital output for coaxial or fiber-optic applications. Remote control. FR 5-22,000 +0, -0.5 dB; dynamic range 106 dB; S/N 103 dB; THD 0.01% at 1,000 Hz; ch sep 91 dB ..... \$1,495

**Icon MkII CD Player**

8x oversampling, 18-bit hand-trimmed D/A converters. 5 separate regulated power supplies; 24-bit digital filter; FET input; custom clock module; EMI filter. Plug-in digital output for coaxial or fiber-optic applications. Remote control. FR 5-22,000 +0, -0.5 dB; dynamic range 105 dB; S/N 95 dB; THD 0.005% at 1,000 Hz; ch sep 91 dB ..... \$850

**Delta Transport**

Balanced xLR, Toslink fiber-optic, and coaxial digital outputs; AT&T connectors optional. Features digital servo control for tracking ..... \$800

**Sigma D/A Converter**

1-bit D/A converter. DC-coupled tube output stage; discrete analog section. Fiber-optic and coaxial digital inputs. FR 20-20,000 Hz +0, 0.5 dB; dynamic range 101 dB; S/N 103 dB; THD 0.015% at 1,000 Hz ..... \$695

**CAMBRIDGE AUDIO**

**CD3 CD Player**

16x oversampling, eight 16-bit D/A converters. Features CDM1/MkII fully suspended, die-cast aluminum chassis and transport mechanism; toroidal transformer; discrete power supplies for digital and analog stages; no analog filtering stage. Fiber-optic and digital outputs. 20-track programming; 3-speed search; track and index point selection; remote control. THD 0.0025% at 1,000 Hz; S/N 100 dB; dynamic range 96 dB; ch sep 100 dB ..... \$1,700

**CAMELOT TECHNOLOGY**

**Arthur D/A Converter**

1-bit PDM D/A converter. Internal, rechargeable battery-operated power supply that is user-replaceable. Features 16-bit resolution; 2nd-order noise shaping; 3-stage linear phase filter; low-jitter data demodulator; independent voltage regulation. Coaxial input; TosLink fiber-optic input, optional AT&T glass-fiber optic connector; actively buffered coaxial output; demodulated expansion port. User-selectable phase inversion. Includes proprietary digital cable. FR 20-20,000 Hz  $\pm 0.15$  dB; S/N 95 dB; ch sep 85 dB;  $\pm 1$  dB linearity at -90 dB,  $\pm 2$  dB at -100 dB. 2-yr warranty ..... \$1,195

**CARRERA**

**CD-3400R 6-Disc CD Changer**

4x oversampling, dual 18-bit D/A converters, 6-disc magazine. Features fixed line-level outputs; headphone jack. Elapsed disc/track time displays; 32-track programming; 3 repeat modes. FR 20-20,000 Hz  $\pm 0.5$  dB; THD 0.009%; S/N 96 dB. 13 lb ..... \$250

**CD-3300R CD Player**

Dual 16-bit D/A converters. Music calendar; direct track access; 3-in-CD compatibility; random play; remote control. FR 20-20,000 Hz; S/N 100 dB; THD 0.0004%. 17 x 3 1/4 x 12; 9.9 lb ..... \$200

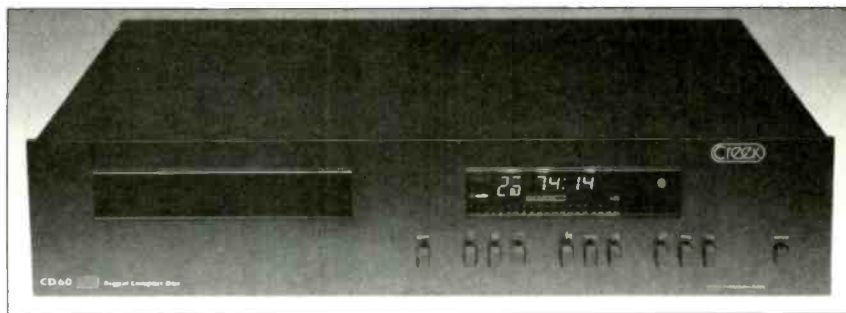
**CARVER**

**TLM-3600 10-Disc CD Changer**

8x oversampling, dual 18-bit D/A converters, 10-disc magazine. Features EQ stage. 32-track programming; Intro scan; random play; search, repeat, skip, and scan; remote control. FR 5-20,000 Hz  $\pm 0.2$  dB; THD 0.005%; S/N 110 dB. 19 x 4 1/4 x 13 1/4 in. . . \$700

**SD/A-370 10-Disc CD Changer**

1-bit D/A converter, 10-disc magazine. Features EQ stage. Headphone jack with volume control. Tape edit; 32-track programming; intro scan; all-disc ran-



Creek CD60

dom play; track/disc skip, scan, and repeat; music calendar; FL display; remote control. FR 5-20,000 Hz  $\pm 0.5$  dB; S/N 100 dB; THD 0.005%. 19 x 4 5/8 x 14 3/4 in ..... \$700

**SD/A-490t Tube CD Player**

1-bit D/A conversion. Features two 6DJ8 tubes in output stage; EQ stage; auto 30-second standby mode for tube preheat; motor-driven volume control. Fiber-optic and coaxial digital outputs; fixed and variable analog outputs; headphone jack. Variable-length fade; tape edit; 24-track programming; random play; 4 repeat modes; music calendar; remote control. FR 10-20,000 Hz  $\pm 0.2$  dB; S/N 100 dB; THD 0.5%. 19 x 3 3/4 x 12 1/4 in; 9 lb ..... \$700

**MD/V-500 Combi-Player**

8x oversampling, 18-bit D/A converter. Plays CD's and videodiscs. 75-ohm F-connector output; 75-ohm input with remote switching; headphone jack. Picture-sharpness control; multispeed scan; on-screen display. 16-chapter/track programming; chapter, track, disc, and program repeat; chapter, track, and frame search; chapter/track skip; FL display; remote control. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 100 dB; THD 0.007%. Hor res 425 lines; video S/N 45 dB. 19 x 5 1/4 x 18 in ..... \$680

**SD/A-450 CD Player**

1-bit D/A conversion. Features EQ stage. Coaxial digital output. Variable-length fade; tape edit; 24-track programming; random play; 4 repeat modes; track skip, and scan; music calendar; remote control. FR 5-20,000 Hz  $\pm 0.2$  dB; S/N 100 dB; THD 0.002%. 19 x 3 3/4 x 12 1/4 in; 9 lb ..... \$500

**SD/A-350 5-Disc CD Changer**

1-bit D/A conversion, 5-disc carousel. Features EQ stage; 3-in-CD compatibility. Coaxial digital output; headphone jack. Ability to change 2 discs during play; 20-track programming; track, program, or disc repeat; one-disc random play; direct track/disc access; music calendar; remote control. FR 5-20,000 Hz  $\pm 0.5$  dB; S/N 100 dB; THD 0.002%. 19 x 5 1/4 x 15 1/2 in ..... \$400

**SD/A-410 CD Player**

1-bit D/A conversion. Features coaxial digital output; headphone jack. 16-track programming; 3 repeat modes; random play; track skip and scan; music calendar; remote control. FR 5-20,000 Hz  $\pm 0.5$  dB; THD 0.004%; S/N 100 dB. 19 x 4 x 12 in ..... \$280

**Accessories**

TLM-10. 10-disc magazine for SD/A-370 CD changer ..... \$35  
TLM-3. 3-in-CD tray for TLM-10 magazine . . . \$5.95

**CARY**

**CAD 955 Tube CD Player**

4x oversampling, 16-bit D/A converter. Output stage with two 12AU7 tubes; analog and digital output filters. Fixed line-level outputs; coaxial digital output. 20-track programming; repeat track/disc; track-start elapsed-time display; remote control. FR 4-21,000 Hz

$\pm 0.05$  dB; S/N 100 dB; THD 0.0025%; ch sep 103 dB at 1000 Hz; dynamic range 107 dB. 17 3/8 x 3 3/8 x 12 1/2 in; 20 lb ..... \$1,095

**CASIO**

**CD-510W Portable CD System**

Features CD player with random play; AM/FM tuner; double cassette deck with autoreverse, high-speed dubbing, and synchro play. Bass boost ..... \$250

**CD-100A Portable CD System**

Features CD player with 20-track programming, LCD search; AM/FM tuner; cassette deck with condenser mic ..... \$200

**CITIZEN**

**CD-8700 Karaoke Portable CD Player**

4x oversampling, 16-bit D/A converter. 3-beam laser pickup. 2 mic inputs with mixing; line-level output; 2 headphone jacks. Vocal eliminator for sing-along; CD and voice pitch controls; 10-level digital echo; 2 enhanced stereo modes; 10-level bass boost; 3-in-CD compatibility; random/repeat play; 2-hr battery life. Includes rechargeable battery, AC adaptor, and mic. Car-battery adapter and carrying case optional. FR 20-20,000 Hz +0.5, -1 dB; THD 0.04% at 1,000 Hz; S/N 90 dB; dynamic range 86 dB; ch sep 75 dB. 10 3/8 x 1 5/8 x 7 1/8 in; 2 lb ..... \$400

**CD-2200 Portable CD Player**

2x oversampling, 16-bit D/A converter. Features 3-beam laser pickup; antishock circuit. Headphone jack with volume control; line-level output. 16-track programming; memory clear/back-up; track skip/repeat; auto shutoff. Includes shoulder strap, stereo headphones, AC adaptor, RCA pin cord, rechargeable battery. FR 20-20,000 Hz; THD 0.07% at 1,000 Hz; S/N 92 dB. 5 1/8 x 1 5/8 x 5 3/8 in; 18 oz ..... \$200

**COUNTERPOINT**

**DA-10 D/A Converter**

Interchangeable D/A converters. Discrete analog and current-to-voltage sections. 4 digital inputs; optional AT&T outputs. MSB adjustment. FR 1-100,000 Hz; THD 0.01%. 19 x 2 1/4 x 10 1/2 in ..... \$1,495

**CRAIG**

**JD8610 Portable CD System**

Features CD player with skip, scan, and repeat; AM/FM tuner; double cassette deck with damped cassette door, high-speed dubbing ..... \$280

**JC6010 Portable CD Player**

Features line-level output; headphone jack. Skip, scan, and repeat; random play; bass boost. Includes AC adaptor ..... \$190

**CREEK**

**CD60 CD Player**

4x oversampling, 16-bit D/A converter. Dual power supplies. FR 20-20,000 Hz; S/N 110 dB; THD 0.005% ..... \$1,295

**DAC 60 D/A Converter**

8x oversampling, 20-bit D/A converter. Features toroidal transformer with isolated analog and digital power supplies. Linearity 0.3 dB at -90 dB ..... \$995

**DENON**

**DCD-3500RG CD Player**

8x oversampling, four 20-bit Lambda ladder-type D/A converters. Features 4 MSB linearity adjustments per converter, 20-bit digital filter, linear-crystal OFC analog filters; optical isolation between digital and analog stages; separate power transformers, power supplies, and circuitry for digital and analog sections; motor-driven volume control; centered-alloy feet, 4-layer bottom plate, and dual-construction chassis for vibration reduction. Switchable fiber-optic/coaxial digital outputs; balanced analog outputs. Direct track access; 20-track programming; index search; time search; 3-way repeat; auto space; auto edit; 8-digit FL display with 4-step dimmer and music calendar; headphone jack with level control; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 120 dB; dynamic range 100 dB; THD 0.0015%; ch sep 110 dB. Champagne-gold finish and polished wood case ..... **\$2,000**

**LA-3100 Combi-Player**

8x oversampling, dual 20-bit Lambda ladder-type D/A converters. Plays CD's and videodiscs. Features 20-bit digital filter. Coaxial digital output. Direct track access; highlight scan; random play; 20-track programming; music calendar program display; 3-in-CD compatibility. 2-side auto play; fast NewTurn double-play mechanism; front-panel and remote jog and shuttle controls; trick play function; soft picture and visual intro modes. Electronic volume control; Denon IS-system remote control compatibility. Hor res 425 lines; video S/N 50 dB; Audio: FR 4-20,000 Hz  $\pm 0.2$  dB; S/N 115 dB; dynamic range 99 dB; THD 0.0018% ..... **\$1,200**

**DCD-2560 CD Player**

16x oversampling, four 20-bit Lambda ladder-type D/A converters. Features 20-bit digital filter with 1/2-sample delay; MSB linearity adjustments; optically isolated digital and analog stages. Fiber-optic and coaxial digital outputs. Digital pitch control with  $\pm 9.9\%$  range in 0.1% steps; digital fader; peak-search mode; 20-track programming; random play; remote volume control; direct track access; 3-way repeat; auto space; tape edit; timer play; 4-step display dimmer; music calendar; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 116 dB; dynamic range 100 dB; THD 0.0018%; ch sep 110 dB at 1,000 Hz ..... **\$750**

**DCD-1560 CD Player**

8x oversampling, dual 20-bit Lambda ladder-type D/A converters. Features MSB linearity adjustments; optically isolated digital and analog stages. Fiber-optic and coaxial digital outputs. 20-track programming; random play; remote volume control; direct track access; index search; time search; 4-way repeat; auto space; tape edit; timer play; on/off display; music calendar; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 115 dB; dynamic range 100 dB; THD 0.002%; ch sep 103 dB at 1,000 Hz ..... **\$650**

**DCD-1290 CD Player**

8x oversampling, dual 20-bit Lambda ladder-type D/A converters. Features 20-bit digital filter. Fiber-optic and coaxial digital outputs; headphone jack with volume control. Digital pitch control with  $\pm 12\%$  range in 0.1% steps; digital fader; peak search; index search; 20-track programming; 2 random-play modes; remote volume control; direct track access; 3-way repeat; tape edit; auto space; timer play; 3-step display dimmer; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 110 dB; dynamic range 100 dB; THD 0.0025%; ch sep 105 dB ..... **\$500**



Denon LA-2150K

**DCD-690 CD Player**

8x oversampling, dual 18-bit Lambda ladder-type D/A converters. Features 20-bit digital filter with noise shaping; shock-isolated pick-up chassis; 12-step digital attenuator. Coaxial digital output; headphone jack with volume control. 20-track programming; direct track access; 3-way repeat; tape edit; auto space; synchro play with compatible tape decks; timer play; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 107 dB; dynamic range 98 dB; THD 0.003%; ch sep 103 dB ..... **\$300**

**DCD-590 CD Player**

8x oversampling, dual 18-bit Lambda ladder-type D/A converters. Features 20-bit digital filter with noise shaping; 12-step digital attenuator. Headphone jack with volume control. 20-track programming; direct track access; 3-way repeat; tape edit; auto space; synchro play with compatible tape decks; timer play; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 105 dB; dynamic range 97 dB; THD 0.0035%; ch sep 100 dB ..... **\$250**

**CD Changers**

Models DCM-520, DCM-420, and DCM-320 feature a drawer-type carousel which allows 4 discs to be changed while one is playing.

**DCM-550 6-Disc CD Changer**

8x oversampling, dual 18-bit Lambda ladder-type D/A converters, 6-disc magazine. Features 20-bit digital filter with noise shaping. Coaxial digital output. Non-volatile favorite-track memory for 100 discs; direct track access; 5-way repeat; 3-mode random play; 20-track programming; electronic volume control; synchro play with compatible tape decks; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 106 dB; dynamic range 97 dB; THD 0.003%; ch sep 102 dB ..... **\$500**

**DCM-520 5-Disc CD Changer**

8x oversampling, dual Lambda ladder-type D/A converters, 5-disc carousel. Motor-driven volume control. Coaxial digital output. Non-volatile favorite-track memory for 100 discs; 20-track programming per disc; 5-way repeat; 3-mode random play; FL status display; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 110 dB; dynamic range 98 dB; THD 0.003%; ch sep 102 dB ..... **\$500**

**DCM-420 5-Disc CD Changer**

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Motor-driven volume control. Coaxial digital output. Non-volatile disc-output-level memory for 100 discs; 20-track programming per disc; 5-way repeat; 3-mode random playback; FL status display; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 106 dB; dynamic range 97 dB; THD 0.003%; sep 100 dB ..... **\$400**

**DCM-320.** As above, no digital output or disc-output-level memory. S/N 102 dB; dynamic range 96 dB; THD 0.006%; ch sep 98 dB ..... **\$300**

**Portable CD Players**

A rechargeable battery pack is available for \$15.

**DCP-150 Portable CD Player**

8x oversampling, dual 18-bit D/A converters. Features 20-bit digital filter with noise shaping. Coaxial digital output; headphone and line-level mini-jacks. 32-track programming; 3-position EQ switch; 5 repeat modes; 4 random-play modes; LCD display; 3-in-CD compatibility; wireless remote with volume control. Velvex finish. Includes soft carrying case, AC adaptor, connecting cable, and rechargeable battery. Accepts optional 4-hr battery. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 98 dB ..... **\$400**  
**AP-10.** Battery charger ..... **\$30**

**DCP-70 Portable CD Player**

8x oversampling, dual 16-bit D/A converters. Features 20-bit digital filter with noise shaping. Coaxial digital output; headphone and line-level mini-jacks. 16-track programming; 3-position EQ switch; LCD display; 3-in-CD compatibility; wireless remote control. Includes AC adaptor/charger and stereo connecting cable. Powered by alkaline batteries. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 97 dB; dynamic range 94 dB; THD 0.01% ..... **\$300**  
**AP-12.** DC car adaptor ..... **\$50**

**DCP-50 Portable CD Player**

4x oversampling, dual D/A converters. Headphone and line-level outputs. 16-track programmable; intro-scan and repeat modes; LCD display; 3-position EQ; 3-in-CD compatibility; wireless remote control. Includes carrying strap, AC adaptor, and connecting cable. Powered by alkaline batteries. Accepts optional 4-hr battery. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 96 dB; dynamic range 92 dB; THD 0.04% ..... **\$250**  
**AP-12.** DC car adaptor ..... **\$50**

**DCP-30 Portable CD Player**

8x oversampling, dual 16-bit D/A converters. Headphone and line-level mini-jacks. 16-track programming; intro scan; random play; 3-position EQ switch; LCD display; 3-in-CD compatibility. Includes AC adaptor and connecting cable. Powered by alkaline batteries. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 96 dB; dynamic range 92 dB; THD 0.04% ..... **\$200**  
**AP-12.** DC car adaptor ..... **\$50**

**DENONET**

**LA-2150K Karaoke Combi-Player**

8x oversampling, dual 18-bit D/A converters. Plays CD's and videodiscs. Vocal-eliminator for sing-along switching. 20-bit digital filter. 2 AV outputs; 2 mic inputs; aux input. Direct track access; 20-track programming; remote control with pitch control; mic-echo control; vocal reducer quiets recorded vocals from videodiscs, CD's, and tapes via aux input; vocal changer resumes recorded vocals when singer stops. S/N 49 dB video. 17 $\frac{1}{8}$  x 5 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 23 lb ..... **\$1,199**

**DUAL**

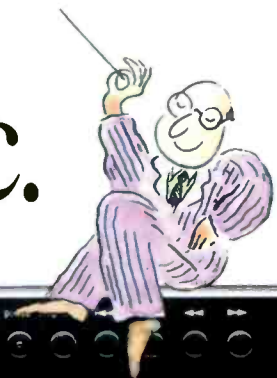
**CD-5150RC CD Player**

4x oversampling, dual 16-bit D/A converters. Motor-driven disc loading. Digital output; headphone jack.

# In choosing a CD player, you can play the numbers...

1 beam or 3 beam / Mash. one bit, 16 bits, 18 bits or 20 bits / 2 times oversampling at 88.2kHz or 4 times oversampling at 176.4kHz. 1 beam or 3 beam / Mash. one bit, 16 bits...

## ...or play the music.



Recently more and more CD players have been promoted by a kind of numbers game, as if by some magic combination one CD player can be made to sound better than another. The vast majority of these CD players still fail to address the most important subtleties that reproduce the natural real sound of live music.

Adcom on the other hand continues to impress the audio critics with the superior musicality of its GCD-575 CD player. To reach this objective, "...the GCD-575 was designed and built with extraordinary attention to detail." \*

We ask that you let your ears be the judge of which CD player meticulously reproduces the integrity of the original performance. The CD

player that plays the numbers? Or our critically acclaimed Adcom GCD-575 which plays the music.

Please visit your Adcom dealer for a demonstration of this remarkable product. Or write us for our brochure. You will discover why it pays to play the music, not the numbers.

*\*Stereo Review, 12/89.*

# ADCOM®

details you can hear

11 Elkins Road, East Brunswick, NJ 08816 U.S.A. (908) 390-1130  
Distributed in Canada by PRO ACOUSTICS INC. Pointe Claire, Quebec H9R 4X5

20-track programming; 3-speed scan; disc/track repeat; random play; remote control. FR 20-20,000 Hz  $\pm 1$  dB; S/N 100 dB; dynamic range 95 dB . . . . \$555

**CD-1070RC CD Player**

8x oversampling, dual 8-bit D/A converters. Features motor-driven disc loading; 3-beam laser pickup. 16-track programming; random play; auto space; track/disc/program repeat; remote control. FR 20-20,000 Hz  $\pm 0.7$  dB; S/N 103 dB; dynamic range 96 dB \$345

**ESOTERIC**

**X-1 CD Player**

8x oversampling, four 20-bit D/A converters. Features 25-bit digital filter; noise-shaping zero circuitry; center tray; 3rd-order analog filter; solid floating sub-chassis; balanced-current transmission for laser pickup; bipolar transformer; balanced signal path between digital and analog circuits. Fiber-optic and coaxial outputs. FL display with brightness control; remote control. FR 0-20,000 Hz  $\pm 0.3$  dB RCA, 20-20,000 Hz  $\pm 0.5$  dB XLR; THD 0.0013%; S/N 110 dB; ch sep 110 dB. 18 x 5 1/2 x 16 in; 37 lb . . . . . \$5,000

**D2 D/A Converter**

8x oversampling, four 18-bit D/A converters. Features 45-bit digital filter; dithering circuitry; 3rd-order Butterworth analog filter; absolute phase-reversal control; noiseless digital-muting circuit; van den Hul matched-crystal silver-coated copper wiring; double-box chassis. MOSFET analog outputs; 2 coaxial and 2 fiber-optic digital inputs; variable unbalanced and balanced XLR and coaxial outputs. Sampling frequency, emphasis, and operating indicators. FR 0-20,000 Hz  $\pm 0.3$  dB (44,100-Hz sampling rate); THD 0.0014%; S/N 110 dB; ch sep 110 dB. 19 1/8 x 5 1/4 x 8 7/8 in; 24 lb . . . . . \$4,000

**P2 CD Transport**

Coaxial and fiber-optic outputs. Features 3-beam laser pickup; die-cast-zinc turntable; 8-mm-thick aluminum disc tray with Nextel coating and gold-plated front; floating subchassis suspension system; 2-dimensional parallel laser drive; van den Hul matched-crystal silver-coated copper wiring; filtered low-current servo control. Adjustable disc-tray speed; adjustable display brightness; index search; 40-track programming; 4-mode repeat. Includes van den Hul coaxial cable . . . . . \$4,000

**P10 CD Transport**

Features die-cast aluminum disc turntable; aluminum disc tray with Nextel coating; vibration-damping floating subchassis suspension system; linear laser-tracking mechanism; high-density antiresonant double-construction chassis with die-cast base. Coaxial and optical outputs. Track and index selection; 20-track programming; 3-mode repeat; remote control. 17 3/4 x 5 1/2 x 8 7/8 in; 21 lb . . . . . \$2,000

**D10 D/A Converter**

4x oversampling, dual 18-bit D/A converters. Features 18-bit digital filter; dithering circuitry; 4th-order Bessel analog filter; double-construction chassis. 2 coaxial and 2 optical inputs; coaxial and unbalanced outputs. FR 0-20,000 Hz  $\pm 0.5$  dB (44,100 Hz sampling rate); THD 0.0018%; S/N 100 dB; ch sep 97 dB. 18 1/8 x 5 1/2 x 8 7/8 in; 22 lb . . . . . \$2,000

**D500 D/A Converter**

8x oversampling, dual 16-bit D/A converters. Features 25-bit digital filter; noise shaping and dithering circuitry; 4th-order Bessel analog filter; double-construction chassis. 2 coaxial and 2 optical inputs; coaxial and unbalanced outputs. FR 0-20,000 Hz  $\pm 0.5$  dB (44,100 Hz sampling rate); THD 0.002%; S/N 110 dB; ch sep 97 dB. 8 7/8 x 5 3/8 x 15 3/4 in; 15 lb . . . . . \$1,000

**P500 CD Transport**

Features vibration-damping floating subchassis suspension system; double-construction chassis; coaxial and optical digital outputs. 20-track random programming; single, all, and A-B repeat; 29-key remote control. 8 7/8 x 5 3/8 x 15 3/4 in; 15 lb . . . . . \$1,000

**FISHER**

**AD-738 CD Player**

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; 24-track programming; scan/search; 3-beam laser pickup. Remote control; LCD display. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 98 dB; ch sep 80 dB; THD 0.05% at 1,000 Hz. 17 1/4 x 3 3/8 x 10 3/4 in; 7 lb . . . . . \$150

**CD Changers**

**DAC199B 5-Disc CD Changer**

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. 18-bit digital filter. Headphone jack. 32-track programming; selection and title memory; random play; intro scan; scan, skip, repeat. 3-in-CD compatibility; remote control. S/N 90 dB; ch sep 80 dB; THD 0.07% at 1,000 Hz . . . . . \$400

**DAC145 5-Disc CD Changer/Turntable**

8x oversampling, dual 16-bit D/A converters, 5-disc top-loading carousel/semiautomatic turntable. 18-bit digital filter; disc loading during play. 32-track programming; random play; intro scan; repeat play; 3-in-CD compatibility; remote control. FR 20-20,000 Hz  $\pm 0.5$  dB; THD 0.07% at 1,000; dynamic range 90 dB; S/N 90 dB; ch sep 80 dB. 17 3/8 x 5 1/8 x 13 7/8 in; 12.1 lb . . . . . \$400

**DAC243 5-Disc CD Changer**

8x oversampling, dual 1-bit D/A converters, 5-disc front-loading carousel. Features 16-bit digital filter; 3-beam laser pickup. 32-track programming; random play; intro scan; 3-way program edit; FL display; 3-in-CD compatibility; remote control. FR 20-20,000 Hz  $\pm 0.5$  dB; dynamic range 96 dB; S/N 100 dB. 17 3/4 x 4 3/4 x 14 1/8 in; 14 lb . . . . . \$300



Fisher PH-DS220

**Portable CD Players and Systems**

**PCD7 Portable CD Player**

8x oversampling, dual 16-bit D/A converters. Features 4-megabyte IC anti-skip memory; 3-position EQ; auto power off. 22-track programming; LCD remote control; 5 repeat modes; intro scan. Includes rechargeable batteries, AC adaptor . . . . . \$500  
**PCD4.** As above without anti-skip memory. FR 20-20,000 Hz  $\pm 3$  dB; THD 0.09%; dynamic range 90 dB; S/N 95 dB. 5 x 1 1/4 x 5 7/8 in; 10 oz . . . . . \$200

**PH-D9000 Portable CD System**

8x oversampling, dual 16-bit D/A converters. CD player with 16-track CD programming, 3-in-CD compatibility; double autoreverse cassette deck with Dolby B NR, high-speed dubbing; quartz-PLL tuner with 20 presets; 4-band graphic EQ; detachable 3-way speakers with piezoelectric tweeters and tuned ports. Bass booster; AC/DC operation; mic input; line out jacks; headphone jack; remote control . . . . . \$400

**PH-D8800 Portable CD System**

8x oversampling, 16-bit dual D/A converters. CD player with 16-track CD programming, 3-in-CD compatibility;

double cassette with synchronized high-speed dubbing, sequential play; 4-band quartz PLL digital synthesizer tuner with 20 presets; detachable 3-way speaker system with piezoelectric tweeters, tuned ports. Features digital clock and timer for playback and recording; electronic EQ; dynamic bass expander; CD output, mic, and headphone jacks; auto stop; AC/DC operation; remote control. 32 1/8 x 9 3/8 x 10 in; 19 lb . . . . . \$350

**PH-D7700 Portable CD System**

8x oversampling, 16-bit dual D/A converters. CD player with 16-track programming, 3-in-CD compatibility; double cassette with synchronized high-speed dubbing, sequential play; AM/FM tuner; detachable 3-way speakers with piezoelectric tweeters, tuned ports. Electronic EQ; dynamic bass expander; CD, mic, and headphone jacks; auto stop; AC/DC operation. 32 1/8 x 9 3/8 x 10 in; 19 lb . . . . . \$300

**PH-D8000 Portable CD System**

8x oversampling, 16-bit dual D/A converters. CD player with 16-track CD programming; double cassette deck with high-speed dubbing; AM/FM tuner; 4-band graphic EQ; detachable 2-way speakers. Features bass boost; mic input; line out and headphone jacks . . . . . \$300

**PH-D5500 Portable CD System**

8x oversampling, 16-bit dual D/A converters. CD player with 16-track programming, 3-in-CD compatibility; double cassette with synchronized high-speed dubbing, sequential play; AM/FM tuner; detachable 2-way speakers with piezoelectric tweeters, tuned ports. Electronic EQ; dynamic bass expander; CD, mic, and headphone jacks; auto stop; AC/DC operation. 30 3/4 x 9 3/8 x 10 in; 14 lb . . . . . \$250

**PH-DS220 Portable CD System**

8x oversampling, 16-bit D/A converters. CD player with 16-track programming, 3-in-CD compatibility; dual cassette with synchronized high-speed dubbing, sequential play; AM/FM stereo tuning; full-range speakers. Features dynamic bass expander; CD, mic, and headphone jacks; auto stop; AC/DC operation. 24 1/2 x 6 7/8 x 8 in; 9 lb . . . . . \$220

**FORTE**

**F50 D/A Converter**

Four 1-bit D/A converters. Features computer-optimized passive filtration; 3 lithium tantalate crystal oscillator circuits; signal output by Class A active buffers. 2 coaxial, and 2 fiber-optic inputs. FR 20-22,000 Hz  $\pm 0.1$  dB; THD 0.002%; S/N -112 dB; ch sep 100 dB; D/A linearity at -100 dB  $\pm 0.1$  dB. 17 x 2 3/4 x 10 1/2 in . . . . . \$990

**GOLDMUND**

All Goldmund products have a 3-year parts-and-labor warranty.

**Mimesis 10C D/A Converter/Digital Preamp**

Expandable design. Proprietary linear-phase circuitry. 8 fiber-optic/coaxial digital inputs (expandable to 16), including 2 tape-monitor loops; 10 digital and 2 RCA-analog outputs. Lock/rec key with LED. 8-input-selection keys. FR 20-20,000 Hz  $\pm 0.1$  dB; linearity 1 dB at -100 dB. 19 x 1 3/4 x 15 1/2 in; 16 lb . . . . . \$8,000  
**Mimesis 10P.** Same as 10C with remote control, and 8 additional digital outputs. . . . . \$10,000  
**Mimesis 10K Conversion Kit.** Converts any Mimesis 10C to a Mimesis 10P. (Unit must be returned to International Audio Technologies for conversion) . . . . . \$2,000

**Mimesis 12 D/A Converter**

Upgradeable via 2 plug-in modules. Features proprietary linear-phase circuitry; 2 transformers; 4 separately regulated power supplies. Coaxial and XLR digital inputs; XLR digital output, 2 RCA and 2 XLR outputs. Frequency-locking LED; phase inverter; analog output-level switches. FR 20-20,000 Hz  $\pm 0.1$  dB; linearity 2 dB at -100 dB . . . . . \$3,200



# Experience FULL SPECTRUM SOUND!!!

Spira-Shield™ Outer Conductors  
(Match Electrical Characteristics  
of Inner Conductors)



## ARTUS

**FEATURES:**  
Tubular Geometry™ Inner Conductors (Individually Insulated), Tri-Barrer Geometry™ Dielectric Construction and Spira-Shield™ Outer Conductors. All Conductors are Silver Plated, Vacuum Drawn, Oxygen Free, High Conductivity Copper.

## ALL ESOTERIC AUDIO INTERCONNECTCABLES FEATURE

## GRAPHIS

**FEATURES:**  
Tubular Geometry™ Inner Conductors, Nitrogen Cell Foam™ Dielectric Construction, and Reticulated-Shield™ Outer Conductors. All Conductors are Vacuum Drawn, Oxygen Free, High Conductivity Copper.

the Highes: Quality Plugs Available. They are Machined From Solid Rod Stock and Electroplated with 24 Karat Gold. All Connections are Precision Soldered With Our Proprietary, 5% Silver, Super High Conductivity Solder.

## PRIMUS

**FEATURES:**  
Tubular Geometry™ Inner Conductors (Individually Insulated), Tri-Barrer Geometry™ Dielectric Construction, and Spira-Shield™ Outer Conductors. All Conductors are Vacuum Drawn, Oxygen Free High Conductivity Copper.

Since 1977, Esoteric Audio has pioneered truly innovative cable designs. Our comprehensive research has culminated in our Tubular Geometry™ design. This unique construction eliminates strand interaction, minimizes skin effect, and dampens distributed resonances within the cable.

What does this mean in terms of musical sound quality? Simply put, the music will come through pure, clean, and totally palpable. Instruments and voices come to life with a precise and coherent 3-dimensional soundstage. In short, you will finally hear the music without cable induced distortions getting in the way.

But why take our word for it? Visit your local Esoteric Audio dealer and experience FULL SPECTRUM SOUND for yourself. The difference is incredible!

Mylar® and Teflon® are registered trademarks of E.I. DuPont Nemours & Co., Inc.

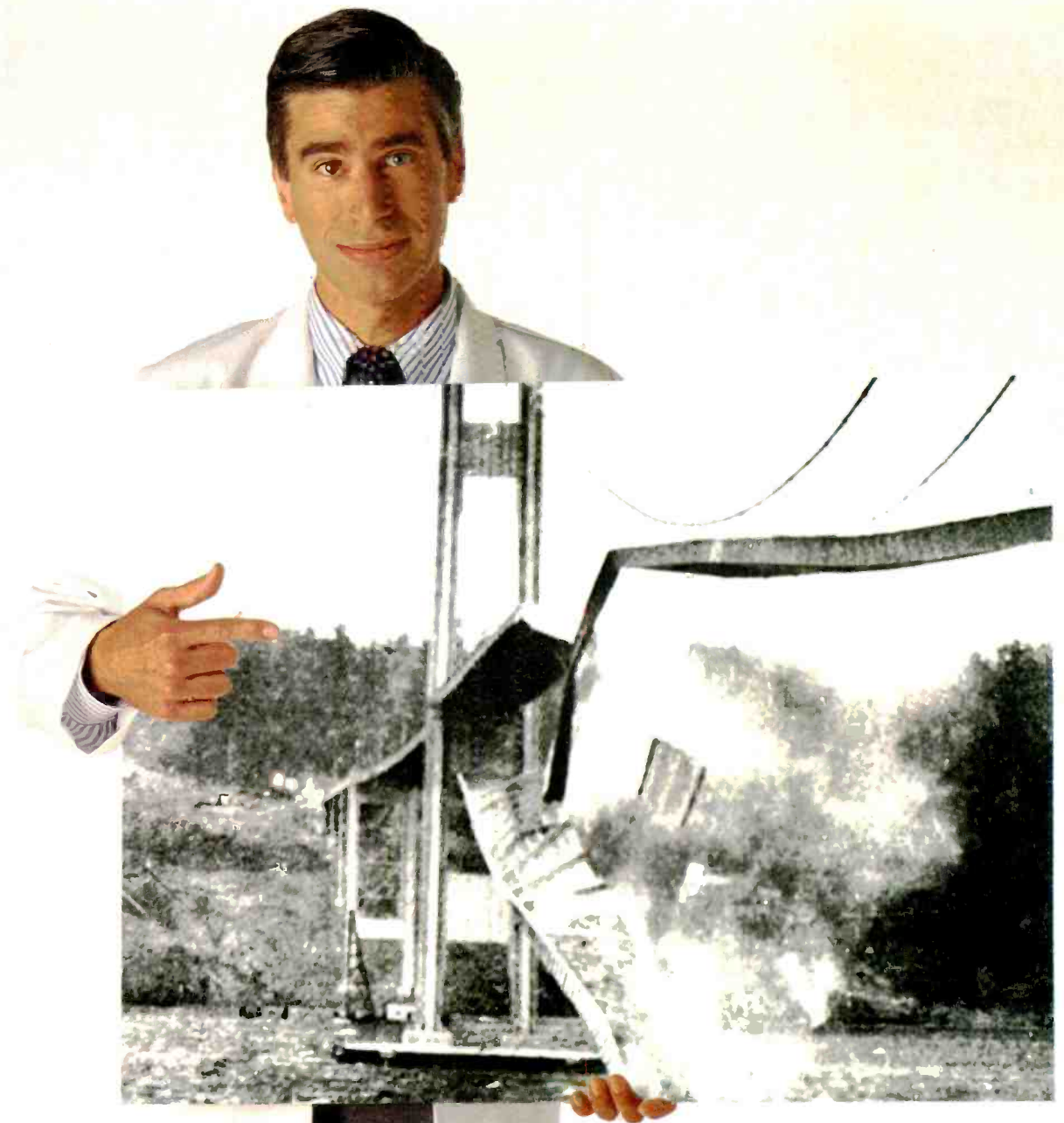
**"When listening through my new Esoteric Audio interconnects, it was like hearing my recordings for the first time, again!"**

*the Art and Science of Connectivity*

# ESOTERIC AUDIO USA

RR3 Box 262 Winder, Georgia 30680

Telephone: (404) 867- 6300 Fax: (404) 867- 2713



*Matthew S. Polk*

# DYNAMIC BALANCE. WITHOUT IT BRIDGES FALL DOWN AND SPEAKERS FALL SHORT.

In 1940 the Tacoma Narrows Bridge shook itself to death.

As a 42 mile-an-hour wind blew across the bridge, the steel, macadam and concrete began to resonate uncontrollably, and turned this 2,800 foot centerspan into instant jello.

This notion, that materials produce an amplified resonance when in motion, has been explored in everything from skyscrapers to the spaceshuttle.

Two years ago, we at Polk decided to look at it in speakers. Working in partnership with the Johns Hopkins University, we made discoveries that led us to undertake the most ambitious engineering and speaker design development program in our history.

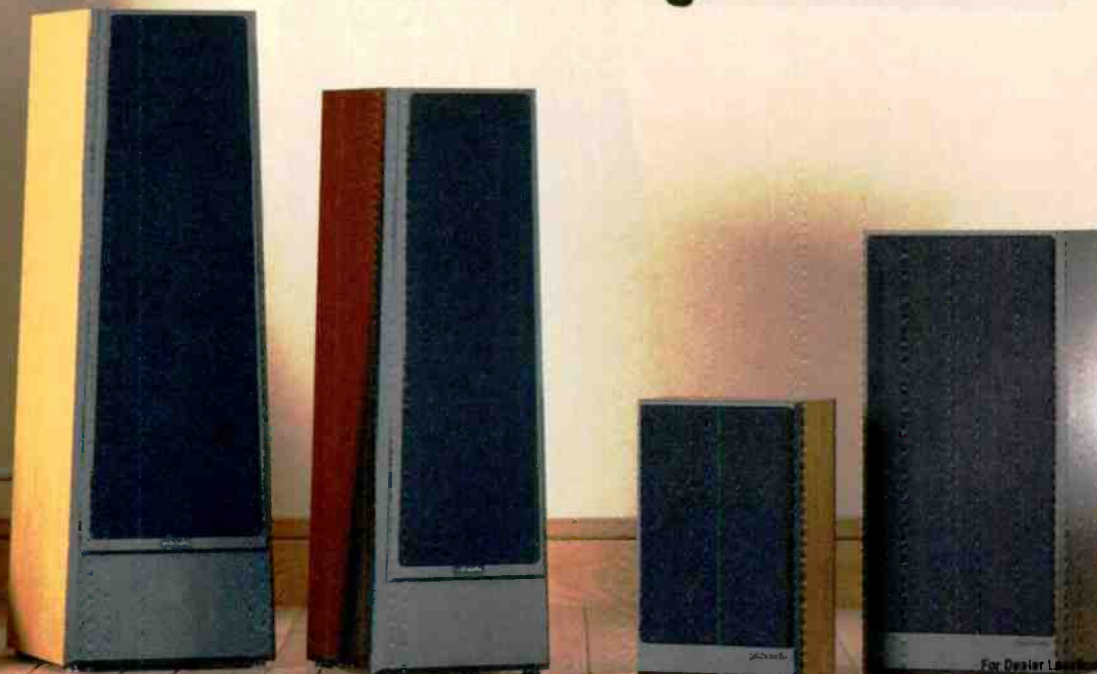
For the first time we could actually see how energy moved through every part of a speaker. And using sophisticated instruments, and good old trial and error, we found out how to perfectly "marry" materials in motion to lessen their individual resonances, thereby eliminating distortion and heightening musical purity. The new S and LS Series represents this triumph of Dynamic Balance.™

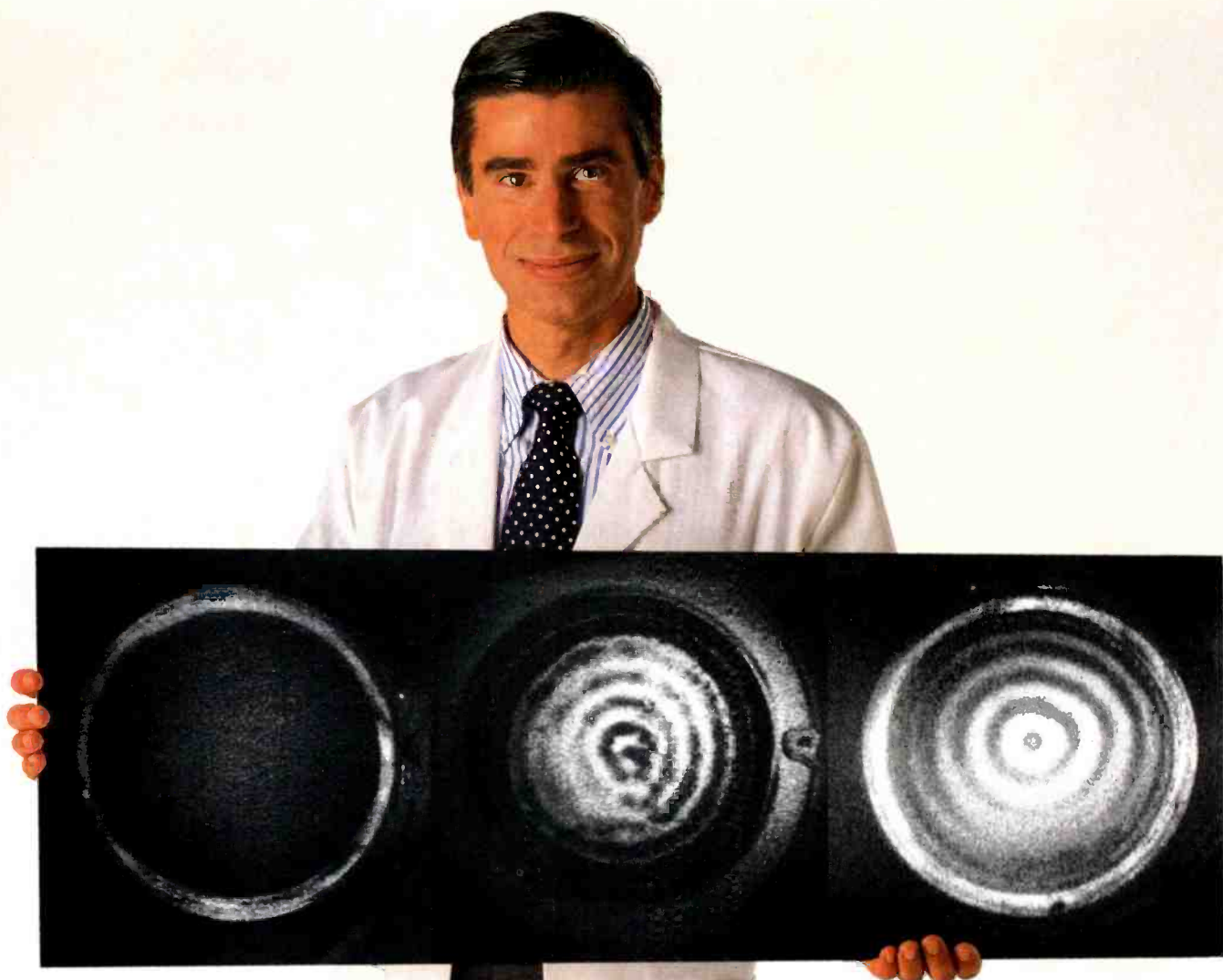
We can safely boast they're built like no speakers on the market today. And the proof is in the listening. You'll see and hear how far our new lines of Dynamically Balanced speakers have outdistanced the competition.

It's a distance they won't be able to bridge.

**THE NEW LS & S SERIES FROM THE SPEAKER SPECIALISTS OF**

**polkaudio**





*Matthew S Polk*

Hologram "snaps" of tweeter showing no modal resonance, moderate amounts, and excessive amounts, each reflecting the use of different materials. The far left is Polk's Trilaminate tweeter.

# **DYNAMIC BALANCE™ SEE IT IN PICTURES BEFORE YOU HEAR IT IN PERSON.**

Before we could design and build speakers as sophisticated as the new LS Series, we had to design and build a whole new way to "look" at speakers.

At Johns Hopkins' Center for Non-Destructive Evaluation, a joint Polk/Hopkins team created a new Full-Field, Quasi-heterodyne, Laser Interferometry test. Much more useful than pronounceable, it allowed us for the first time to take a full-field hologram "snap shot" of microscopic forms of distortion generated by speaker materials themselves.

In the LS Series, the manifestation of Dynamic Balance™ is brilliantly executed with the addition of aramid fibers to the cone, insuring that music, not unwanted resonance, literally jumps off the cone.

Through a new patented process known as vapor deposition, we formed a trilaminate tweeter dome of aluminum, stainless steel, and polyamide. This turned out to be quite the musical combo, providing all the listening ease of soft domes with the superb liveliness of metal domes.

Styling in the LS Series is not only breathtaking, it is highly functional. The slim, tapered cabinet design belies its technological contribution. The angled sides break up standing waves inside the cabinet, so detrimental to midrange performance. At the same time, this design feature also enhances the stereo presentation dramatically.

All LS Series speakers are available in a striking, gloss rosewood laminate. The LS50 and L70 are also offered in oak laminate with the LS90 available in natural Oak.

And each one of them is Dynamically Balanced.

Our pictures prove it. And so will your ears at your Polk Dealer.

## **THE NEW LS SERIES FROM THE SPEAKER SPECIALISTS OF polkaudio**



5601 Metro Drive, Baltimore, MD 21215 USA. (410) 358-3600. In Canada call (416) 847-8888.

For Dealer Location

46922

Call 1-800-992-2520



*matthew S Polk*

# **DYNAMIC BALANCE™** **IT TOOK A JUGGLING ACT TO ACHIEVE IT.** **NOW WE'LL NEVER DROP IT.**

The trick to Dynamic Balance™ is to juggle a number of considerations and materials at the same time. If you do it right, you wind up with the astonishing sound of the new S Series.

Could we discover the perfect combination of materials to defeat unwanted resonance? In the S Series you'll find a cone made out of composite materials, whose blending insures clarity and musical purity.

Could we find a means of joining cone to basket that would assist in this damping function, too? In the S Series you'll also see a highly sophisticated rubber surround that extends all the way to the edge of the basket to do exactly that.

Could we project the new tweeters' output to maximize dispersion, yet minimize diffraction? Every S speaker features a unique baffle frame and tweeter faceplate to preserve musical depth and width as it takes the guess-work out of room placement.

The old axiom that the whole is greater than the sum of its parts was never more true than when we matched these new drivers and tweeters to create four remarkable sound systems. You'll hear a new level of clarity, transparency, and sound staging no equivalently priced speaker, and few expensive ones, can match.

The "package" we designed to house all this engineering prowess is especially befitting. The new S4, S6, S8 and S10 cabinets are available in an elegant black ash or a traditional oak grain finish.

But no matter which of the S Series you choose, you'll know these Dynamically Balanced speakers feature enduring sound advances.

And that's a thought you shouldn't drop.

**THE NEW S SERIES FROM THE SPEAKER SPECIALISTS OF**  
**polkaudio**







# SMALL SPEAKERS WITH HUGE REPUTATIONS.

There's an old adage that states: Great things often come in small packages.

Although that was coined without our RM3000 in mind, it might well have been, if you judge by the honors heaped upon this diminutive speaker system.

For the second consecutive year, the RM3000 was voted "best 3-piece speaker system" by audio critics. And the odds favor it to repeat once again.

Obviously the sonic performance of these small wonders is strictly big time. Julian Hirsch, writing in Stereo Review, extolled their virtues: "...they sound excellent...one of the best examples of a three-piece speaker system that we have yet heard...spectral balance was excellent...smooth and seamless".

Perfect as a main speaker or part of a home theater system, the RM 3000 is so impressive, you may very well shun outside concerts and cinemas permanently.

The RM3000 features two compact midrange-tweeter satellites and one low frequency subwoofer system. The elegant finishes include piano black, gloss white, or black granite matrix.

The CS100, our center channel speaker, is the high quality answer to complete your home theater. Since the signals sent to your center channel are at least as important as the signals fed to the right, left and rear, Polk has packed plenty of performance muscle into the CS100 to anchor voices vividly to the picture.

Designed to sit atop or under the TV, or even beside the TV when turned on its end, it's a favorite among TV critics.

So if you want the big sound of Polk, you can also think small. Your ears will easily confirm the size of our reputation.

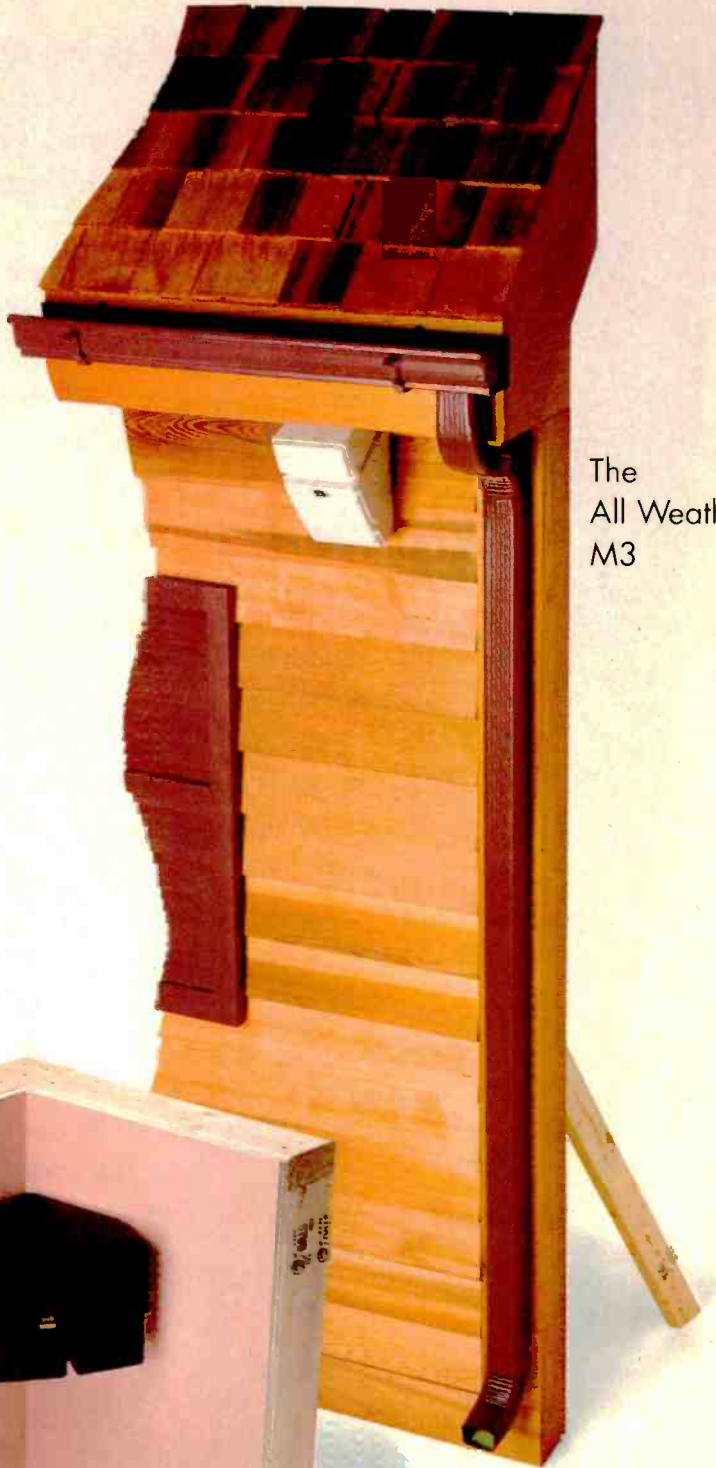
**THE NEW LS SERIES FROM THE SPEAKER SPECIALISTS**

**polkaudio**

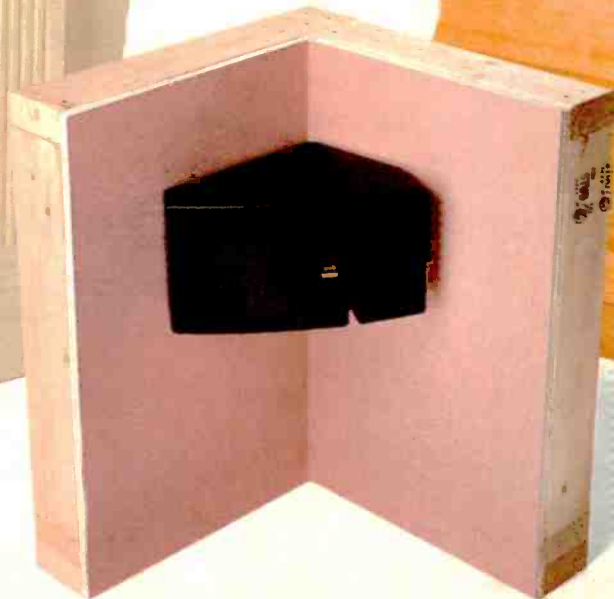
The  
AB  
Series



The  
All Weather  
M3



The  
Indcor  
M3



# THE INS AND OUTS OF GREAT SOUND.

Suddenly the room is alive with the sound of music. But where are the speakers?

No, it's not your imagination. It's the ingenious way the Polk Architectural Built-In Series fits into your lifestyle and your room. The ABs are built right into the wall, with the simplest mounting system a do-it-yourselfer ever tackled.

But don't be fooled by their conspicuous absence. These are serious speakers or they wouldn't bear the name Polk. And like all Polks, their acoustic reputations defy their modest price.

The AB Series features 8 models to fit almost any application or budget. They include speakers touting midbass drivers with diaphragms of trilaminate polymer and soft dome tweeters. Their sound is so impressive, they'll have the competition climbing walls.

Now, the M3 is the kind of speaker that likes to hang out, so to speak. Whether it be on a wall or in a nice cozy corner. Or sometimes, it stands unobtrusively on the floor or beside a good book on the shelf.

But no matter where you put it, its purpose is to serve up great sound. Its equally at home as a primary speaker, as a video surround speaker in a home theater center, or as a remote speaker. The M3s include a mounting bracket system that provides more position flexibility than a yogi, and they come in ebony or white.

As sturdy as it is sonically pleasing, the all-weather version of the M3 is immune to the elements and lets you take your love of music outside.

Now that you know the ins and outs of Polk speakers, you know that nothing can come between you and great sound.

Not even a wall.

THE AB AND THE M3 SERIES FROM THE SPEAKER SPECIALISTS OF

**polkaudio**

**GOLDSTAR**

**CD-651A Portable CD System**

CD player with track programming and random play; AM/FM tuner with digital clock and sleep timer; double cassette deck with autoreverse on playback deck, high-speed dubbing, and CD-to-tape synchro rec; 3-band EQ; mic jack and mic mixing-level control; 2-way speakers; remote control. 12 lb ..... \$280

**CD-625A Portable CD System**

2x oversampling, dual D/A converters. CD player with 3-way repeat and random play; AM/FM tuner; double cassette deck with autoreverse on playback deck, high-speed dubbing and CD-to-tape synchro rec; 3-band EQ; bass boost; built-in mic; remote control; built-in speakers. 12 lb ..... \$250

**FH-R20R 5-Disc CD Changer**

8x oversampling, dual D/A converters, 5-disc carousel. Allows discs to be changed while playing. Features 32-track programming; random play; 4-way repeat; remote control. 14 lb ..... \$230

**FH-R10R 5-Disc CD Changer**

8x oversampling, dual D/A converters, 5-disc carousel. Coaxial digital outputs. Features 32-track programming; remote control. 14 lb ..... \$200

**GPX**

**Model C-3800 Portable CD Player**

2x oversampling, LCD display. Headphone jack, 20-track programming; random/repeat play; rotary volume. Includes carrying case and AC adaptor ... \$170

**HARMAN KARDON**

*Except for the HD7400, the following feature a 3-beam laser pickup, 4 separate power supplies, and a discrete output stage.*

**TL8600 5-Disc CD Changer**

1-bit D/A converter, 5-disc carousel. Gold-plated fixed and variable outputs; headphone jack with volume control. Disc/track programming; random play; intro scan; auto-spacing for CD-to-tape dubbing; audible 2-speed cue/review; top-panel direct track access buttons; remote output-level control; remote control. FR 4-20,000 Hz  $\pm 0.2$  dB; THD 0.003%; S/N 104 dB; dynamic range 98 dB; ch sep 96 dB; linearity  $\pm 0.2$  dB at  $-90$  dB. 17 $\frac{3}{8}$  x 4 x 16 $\frac{1}{8}$  in; 14.9 lb ..... \$699

**TL8500.** As above, without top-panel buttons, headphone jack, and variable-level output ..... \$549

**HD7600II CD Player**

1-bit D/A converter. Damped tray. Fiber-optic and coaxial digital outputs; fixed and variable outputs; headphone jack. 30-track programming; index search; intro scan; A/B repeat; audible 2-speed cue/review; direct track access; remote control. FR 4-20,000 Hz  $\pm 0.5$  dB; THD 0.003%; S/N 106 dB; dynamic range 98 dB; ch sep 93 dB; linearity  $\pm 0.2$  dB at  $-90$  dB. 17 $\frac{3}{8}$  x 4 x 13 in; 15 lb ..... \$679

**HD7500II.** As above, without fiber-optic or coaxial digital outputs. 12 lb ..... \$499

**HD7450.** As HD7500II, without damped tray. FR 4-20,000 Hz  $\pm 0.5$  dB; THD 0.005%; S/N 103 dB; dynamic range 97 dB; linearity  $\pm 0.1$  dB at  $-90$  dB ..... \$399

**HD7400 CD Player**

4x oversampling, 18-bit D/A converter. 36-track programming; audible 2-speed cue/review; repeat; remote control. FR 4-20,000 Hz  $\pm 0.5$  dB; THD 0.009%; S/N 100 dB; dynamic range 96 dB; ch sep 88 dB; linearity  $\pm 0.1$  dB at  $-80$  dB. 17 $\frac{3}{8}$  x 4 x 13 in; 11 lb ..... \$299

**HTG**

**CDT-1 CD Transport**

Features error correction circuitry; structural damping; multi-stage power-supply regulation; 1-piece stamped-metal plate; servo tracking controller. Fiber-

optic and coaxial digital outputs. Programmable remote control ..... \$750

**JRM**

**DA-20 D/A Converter**

8x oversampling, four 20-bit D/A converters. Proprietary analog filter/output stages. EFM input optional. Digital mute. FR 0-20,000 Hz  $\pm 0.1$  dB; THD 0.0001% ..... \$750

**JVC**

*The following feature JVC Compu Link system compatibility, a 3-beam floating laser pickup, die-cast aluminum base, and 32-track programming.*

**XL-G512NBK CD + G Player**

4x oversampling, dual 18-bit D/A converters with noise shaping. Plays CD + G (graphics) discs. Features disc-stabilizing clamp; NTSC signal format. S-video, composite-video, and MIDI outputs. 15-channel graphic-data selector; intro scan; 3 repeat modes; 20-track music calendar; multi-disc tape editing; remote control. FR 2-20,000 Hz; S/N 100 dB; THD 0.004% at 1,000 Hz; dynamic range 96 dB at 1,000 Hz; ch sep 90 dB at 1,000 Hz; graphics resolution 288 x 192 pixels. 17 $\frac{1}{4}$  x 4 x 11 $\frac{1}{2}$  in; 9 lb ..... \$500

**XL-Z451TN CD Player**

8x oversampling, dual 1-bit D/A converters. Balanced buffer. Fiber-optic digital output; headphone jack with volume control. Tape edit; 3-in-CD compatible; 4 repeat modes; index search; non-track-repeating and delete random play; delete program play; 20-track programming; auto CD-to-tape rec with peak search; remote control. FR 2-20,000 Hz; THD 0.0015%; S/N 112 dB; ch sep 106 dB at 1,000 Hz; dynamic range 100 dB at 1,000 Hz ..... \$240

**XL-V251TN CD Player**

8x oversampling, dual 1-bit D/A converters. Disc-stabilizer clamp. Headphone jack with volume control. Auto/program editing; 3-in-CD compatibility; one-track, all-tracks, programmed-tracks and random-play repeat modes; auto/manual search; auto CD-to-tape rec with peak search; 15-track music calendar; 10-track direct-access programming; remote control. FR 2-20,000 Hz; THD 0.0025%; S/N 106 dB; ch sep 94 dB at 1,000 Hz; dynamic range 98 dB at 1,000 Hz. 17 $\frac{1}{4}$  x 4 $\frac{1}{8}$  x 10 $\frac{7}{8}$  in; 8 lb ..... \$210

**XL-V151TN.** As above, without remote ..... \$190

**CD Changers**

**XL-M507TN 7-Disc CD Changer**

8x oversampling, dual 1-bit D/A converters, 6-disc magazine, single-disc tray. Headphone jack with volume control. 8-character magazine/disc-title memory for up to 20 magazines/120 discs; tape edit; disc/track intro scan; auto/manual search; 7-disc random play; 15-track music calendar; non-track-repeating, 7-disc random play; delete play; resume play; direct track/disc access; auto power-on/off eject; 4 repeat modes; remote control with LCD ..... \$380

**XL-M407TN.** As above, without magazine/disc-title memory. Remote control without LCD ..... \$330

**XL-M307TN.** As XL-M407TN, without remote control, delete play, or direct disc access. No volume control for headphone jack ..... \$300

**XL-M207TN CD 5-Disc Changer**

8x oversampling, dual 1-bit D/A converters, 5-disc front-loading carousel. Headphone jack with volume control. Direct disc access; non-track-repeating random play and repeat modes; 3-in-CD compatibility; remote control. FR 2-20,000 Hz; THD 0.0025%; S/N 106 dB; ch sep 94 dB at 1,000 Hz; dynamic range 98 dB at 1,000 Hz. 17 $\frac{1}{4}$  x 5 x 15 $\frac{1}{8}$  in ..... \$300

**KENWOOD**

**DP-2040 CD Player**

Dual 1-bit D/A converters. Headphone jack. Synchro play with compatible cassette decks; 20-track pro-

gramming; direct track access; random play; repeat; 20-track music calendar; timer. FR 4-20,000 Hz  $\pm 1$  dB; S/N 94 dB; THD 0.005% and ch sep 90 dB at 1,000 Hz. 17 $\frac{3}{8}$  x 5 $\frac{1}{8}$  x 14 $\frac{1}{2}$  in; 12 lb ..... \$220

**Combi-Players**

*The following feature a night-theater audio mode that amplifies quiet dialogue.*

**LVD-700 Combi-Player**

Dual 1-bit D/A converters. Plays CD's and videodiscs. Features 3-line comb filter, digital time-base correction; PLL FM-detection circuit. Fiber-optic digital output; S-video output; headphone jack with volume control. Random play; 20-track programming; intro scan; synchro play with compatible cassette decks; direct track access; remote control with jog/shuttle. FR 4-20,000 Hz  $\pm 0.5$  dB; S/N 105 dB; dynamic range 92 dB; THD 0.01% and ch sep 90 dB at 1,000 Hz. Video S/N 50 dB; hor res 425 lines. 17 $\frac{3}{8}$  x 5 $\frac{1}{2}$  x 15 $\frac{1}{8}$  in; 23 lb ..... \$980

**LVD-820R Combi-Player**

Dual 1-bit D/A converters. Plays CD's and videodiscs. Features dual-side play; digital time-base correction; 3rd-order noise shaping; digital 3-line comb filter. 2 audio and 2 video outputs; fiber-optic digital output; S-video output; headphone jack with volume control. Synchro play with compatible cassette decks; random play; intro scan; shuttle control; 3-mode on-screen display. S/N 98 dB; dynamic range 99 dB; THD 0.006%. Video S/N 49 dB; hor res 425 lines. 17 $\frac{3}{8}$  x 5 $\frac{1}{8}$  x 15 in ..... \$900

**LVD-300 Combi-Player**

4x oversampling, dual 18-bit D/A converters. Plays CD's and videodiscs. Digital time-base correction. Fiber-optic digital output, S-video output. 20-track programming; synchro play with compatible cassette decks; random play; intro scan; direct track access; remote control. FR 4-20,000 Hz; S/N 105 dB; dynamic range 98 dB; THD 0.07% and ch sep 90 dB at 1,000 Hz. Video S/N 49 dB; hor res 425 lines. 17 $\frac{3}{8}$  x 5 $\frac{1}{2}$  x 14 $\frac{3}{4}$  in; 22 lb ..... \$600

**CD Changers**

*The following feature normal/high-speed synchro play with compatible cassette decks, tape edit from 2 CD's to 2 cassettes, 20-track programming, a 20-track music calendar, and timer playback. Common specs include FR 4-20,000 Hz  $\pm 1$  dB; S/N 94 dB; THD 0.005% and ch sep 90 dB at 1,000 Hz.*

**DP-M7740 7-Disc CD Changer**

Dual 1-bit D/A converters, 6-disc magazine, single-disc tray. Features 3-in-CD compatibility. Headphone jack with volume control. Program memory for 42 magazines with 8-character alphanumeric labeling for each magazine and each disc within magazine; program memory for single-disc tray; peak search with memory; direct track access; random play; 4-mode time display; system remote-control compatibility; remote control with LCD. 17 $\frac{3}{8}$  x 5 $\frac{1}{8}$  x 14 $\frac{1}{2}$  in; 12 lb ..... \$380

**DP-M6640.** As above, program memory for 8 magazines; remote control without LCD. No peak search ..... \$330

**DP-M5540.** As DP-M6640, no magazine-program memory or headphone jack ..... \$300

**DP-R4440 5-Disc CD Changer**

Dual 1-bit D/A converters, 5-disc carousel. Features bidirectional tray rotation for fast access; 3-in-CD compatibility. Headphone jack with volume control. Random play; repeat; system remote-control compatibility; remote control. 17 $\frac{3}{8}$  x 5 $\frac{1}{8}$  x 15 $\frac{1}{8}$  in; 12 lb ..... \$280

**DP-R892.** As above, without headphone jack or remote control ..... \$250

**Portable CD Players**

**DPC-92 Portable CD Player**

1-bit D/A converter. Features bass boost. Digital output. 24-track programming; last-track memory; LCD;



Kenwood DP-R892

wireless remote control. Includes AC adaptor, 4 rechargeable batteries, cable, and car cassette adaptor ..... \$380

**DPC-721 Portable CD Player**

1-bit D/A converter. Features 2-hr playback on 2-hr charge. Digital output. EQ presets; 24-track programming; last-track memory; timer play; one/all-track repeat; random play; backlit LCD; wired and wireless remote control. Includes AC adaptor, 2 rechargeable batteries, cable, car cassette adaptor, and carrying case ..... \$250

**DPC-521 Portable CD Player**

1-bit D/A converter. Features 2-hr playback on 2-hr charge. EQ presets; 24-track programming; last-track memory; timer play; one/all-track repeat; random play; backlit LCD; wireless remote control. Includes AC adaptor, rechargeable batteries, cable, and car cassette adaptor ..... \$230

**DPC-321 Portable CD Player**

1-bit D/A converter. Features 2-hr playback on 2-hr charge. EQ presets; 24-track programming; last-track memory; timer playback; one/all-track repeat; random play; LCD; headphones with remote control. Includes AC adaptor, 2 rechargeable batteries, and cable ..... \$200

**KINERGETICS**

**KCD-55U D/A Converter**

8x oversampling, four 20-bit D/A converters. Features proprietary conversion circuitry. AT&T, coaxial, and Toslink inputs; fixed and variable outputs ..... \$3,995

**KCD-40 Platinum Series CD Player**

8x oversampling, dual 18-bit D/A converters. Features single-beam laser; fully balanced circuit topology; 7-V output. Volume and balance controls; remote control. 17 x 4 1/2 x 13 in; 21 lb ..... \$2,295

**KCD-20B.** As above, 4x oversampling, 16-bit D/A converters. Features distortion-canceling circuitry; 4-V output ..... \$1,495

**KCD-55P D/A Converter**

8x oversampling, four 18-bit D/A converters. Features discrete, balanced Class A circuitry. Fixed and variable outputs ..... \$1,895

**KCD-55T CD Transport**

Front-loading design featuring Philips CD-4 mechanism; precision toggle switches; custom aluminum extrusions and machined parts; suspension and damping designed for optimal mechanical isolation. 17 x 4 1/2 x 13 in; 21 lb ..... \$1,295

**KRELL**

**Excel D/A Converter**

64x oversampling. Features software-based processor; data-recovery/jitter-rejection module ..... \$12,000

**MD-10 CD Transport**

Top-loading design. Features controlled descent. Remote control ..... \$6,900

**MD-20 CD Transport**

Top-loading design ..... \$4,000

**Studio D/A Converter**

Features software-based processor; proprietary data-recovery/jitter-rejection module ..... \$3,900

**CD-DSP CD Player**

16x oversampling. Features top-loading design; discrete buffered, Class A, high-bias balanced output stage; CDM-1MKII glass lens from Philips. Custom lucite cover and AT&T fiber optics optional ..... \$3,650

**CD-1 CD Player**

1-bit D/A converter. Features discrete buffered, Class A, high-bias balanced output stage. Drawer-loading transport ..... \$2,850

**Stealth D/A Converter**

1-bit D/A converter. Discrete buffered, Class A, high-bias, balanced output stage. 5 selectable digital inputs with 1 digital tape-monitor loop. AT&T fiber optics optional ..... \$1,850

**LASONIC**

**CDP-999 Portable CD System**

CD player with 20-track programming, random play, and repeat; AM/FM shortwave tuner; double cassette deck with autoreverse play in one deck and auto stop rec/play in other, normal/high-speed dubbing, and auto rec-level; 3-band EQ; two detachable speakers. Bass boost; mic and headphone jacks. Available in gray or black. 26 1/8 x 10 1/2 x 11 in; 19 lb ..... \$340

**CDP-979 Portable CD System**

CD player with 20-track programming, random play, and repeat; AM/FM shortwave tuner; double cassette deck with autoreverse play-only in one deck and auto stop rec/play in other, program search, normal/high-speed dubbing, and auto rec-level; 4-band EQ; two speakers. Bass boost; mic mixing; mic and headphone jacks; LED level meters. 26 x 12 3/4 x 9 1/2 in; 17 lb ..... \$300

**CDP-997 Portable CD System**

CD player with 20-track programming, random play, and repeat; AM/FM tuner; double cassette deck with autoreverse play-only in one deck and auto stop rec/play in other, high-speed dubbing, auto rec-level, and program search; 3-band EQ; two speakers. 28 x 10 1/2 x 11 in; 20 lb ..... \$300

**CDP-987 Portable CD System**

CD player with 20-track programming, random play, and repeat; AM/FM tuner; double cassette deck with high-speed dubbing and program search; 2-band EQ; two speakers. 23 1/2 x 11 1/4 x 8 1/4 in; 16 lb ..... \$235

**LLOYD'S**

**MC-104 Portable CD System**

Top-loading CD player with 16-track programming and 3-beam laser pickup; AM/FM tuner with 10 AM/FM presets; double cassette deck with high-speed dubbing and continuous play; 2-way speakers; bass boost; 3-band EQ; wireless remote control. Center

section: 11 x 9 1/2 x 7 3/8 in, speakers: 7 3/4 x 9 1/2 x 7 3/4 in ..... \$350

**MC-103 Portable CD System**

Top-loading CD player with 16-track programming and 3-beam laser pickup; AM/FM tuner; double cassette deck with high-speed dubbing and continuous playback; bass reflex speakers; bass boost; 3-band graphic EQ. Center section: 11 x 9 1/2 x 7 3/8 in, speakers: 7 3/4 x 9 1/2 x 7 3/4 in ..... \$260

**PT-300 Portable CD System**

Top-loading CD player with 20-track programming and 3-beam laser pickup; AM/FM tuner; cassette deck; 3 1/2-in speakers; bass boost; 3-band EQ. 17 7/8 x 5 1/2 x 6 7/8 in ..... \$160

**LUXMAN**

The following are compatible with Luxman's integrated-system remote control and feature a 5-year parts-and-labor warranty, a Duo-Beta dual feedback-loop, and star circuit topology.

**D-105U Tube CD Player**

8x oversampling, dual 18-bit D/A converters. Features twin-triode vacuum-tube analog output stage; metal chassis and component shielding; magnetic disc clasper; 3-beam laser pickup. Fiber-optic and coaxial digital outputs. 32-track programming; random play; tape edit; auto scan/pause; timer/power-off memory; remote control. FR 5-20,000 Hz ± 1 dB; THD 0.05%; S/N 105 dB; dynamic range 92 dB; ch sep at 1,000 Hz 90 dB. 17 1/4 x 5 1/2 x 13 1/2 in; 19 lb ..... \$900

**D-351 CD Player**

8x oversampling, dual 18-bit D/A converters. Features voltage-driven amplification; gradual-slope linear-phase analog filters. Fiber-optic digital-direct output. MSB D/A-converter adjustments; 24-track programming; repeat/random play; synchro play with compatible cassette decks ..... \$600

**DZ-122 CD Player**

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser pickup; magnetic disc clasper; motor-driven volume control; metal chassis. Gold-plated fixed and variable analog outputs; fiber-optic output; multiroom inputs/outputs; headphone jack. 32-track programming; normal/timed fader; random play; intro scan; direct track access; FL display; repeat; auto-pause; timer play; tape edit; remote control. FR 5-20,000 Hz; THD 0.005%; S/N 106 dB; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17 1/4 x 3 3/8 x 12 1/4 in; 10 lb ..... \$400

**DZ-121 CD Player**

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser pickup; magnetic disc clasper; metal chassis. Gold-plated analog outputs; fiber-optic output; multiroom inputs/outputs; headphone jack with volume control. 32-track programming; random play; intro scan; FL display; repeat; auto pause; timer play; time display; direct track access; skip/scan; remote control. FR 5-20,000 Hz; THD 0.008%; S/N 105 dB; dynamic range 95 dB; ch sep at 1,000 Hz 95 dB. 17 1/4 x 3 3/8 x 12 1/4 in; 10 lb ..... \$300

**DZ-111 CD Player**

4x oversampling, dual 16-bit D/A converters. Features metal chassis and component shielding; magnetic disc clasper; 3-beam laser pickup. Coaxial digital output. 32-track programming; random play; intro scan; auto pause; timer play; remote control. FR 5-20,000 Hz ± 0.5 dB; THD 0.005%; S/N 106 dB; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17 1/4 x 3 3/8 x 12 1/4 in ..... \$250

**CD Changers**

**DC-114 7-Disc CD Changer**

8x oversampling, dual 18-bit D/A converters, 6-disc magazine, single-disc tray. Features 3-beam laser; magnetic disc changer; all-metal housing and chassis. 24-track programming; random play; timer play;

# C D C O M P O N E N T S

remote control. FR 5-20,000 Hz  $\pm 0.5$  dB; S/N 104 dBA; THD 0.005%; ch sep 95 dB at 1,000 Hz. 17 $\frac{1}{4}$  x 4 $\frac{7}{8}$  x 13 $\frac{1}{2}$  in; 15 lb ..... \$800

## MAGNAVOX

### Portable CD Systems

#### AZ-8705 Portable CD System

CD player with 20-track programming, Intro scan; double cassette with autoreverse; 4-band EQ; tuner. Features dynamic bass boost; remote control; recharging system ..... \$329

**AZ-8400.** As above, with 3-band EQ and turbo bass generator. No digital tuning or dynamic bass boost ..... \$299

**AZ-8300.** As AZ-8400, without remote ..... \$279

**AZ-8390.** As AZ-8705, without recharging system ..... \$249

#### AZ-9020 Portable CD System

CD player with 20-track programming, intro scan, random/repeat play; LCD track/time display, track skip; detachable bass-reflex speakers; cassette deck. Features dynamic bass boost; recharging system ..... \$250

### Portable CD Players

#### AZ-6815 Portable CD Player

1-bit Bitstream D/A conversion. Features backlit LCD display; dynamic compression; antishock mechanism. Includes AC/DC adaptor, cable, car cassette adaptor, DC power supply ..... \$250

#### AZ-6813 Portable CD Player

4x oversampling, 16-bit D/A converter. Features 20-track programming; dynamic bass boost. Includes rechargeable battery, headphones, stereo connection cable, carrying case, 6 V AC DC adaptor ..... \$200

**AZ-6812.** As above, with car cassette adaptor and power supply. No rechargeable battery ..... \$200

**AZ-6811.** As AZ-6812, no car accessories ..... \$170

## MARANTZ

### CDR-1 CD Recorder

1-bit Bitstream A/D converter, four 1-bit Bitstream D/A converters. Features conformity to Philips Orange Book Part II CD-R standards; playback compatibility with any CD player; 3rd-order noise shaping; linear tracking mechanism; 3-beam laser pickup; microphone preamp. Coaxial and fiber-optic digital inputs and outputs; balanced XLR input and output; unbalanced analog output; stereo mic input; headphone jack with level control. Track skip and block delete; auto/manual track numbering; random play; repeat; digital peak display. Sampling frequency 44,100 Hz; FR 2-20,000 Hz; S/N 100 dB; THD + noise 0.004% record, 0.002% playback; dynamic range 96 dB; ch sep 92 dB. Rack mountable ..... \$7,000

**CDR-63Q.** 63-min blank recordable disc ..... \$50

### CD-11 MkII CD Player

1-bit Bitstream PDM D/A conversion. Features fully floating die-cast alloy Radialinear mechanism with single-beam laser mounted on magnetically actuated swing arm; 3rd-order noise shaping; toroidal power supply; die-cast chassis with copper plating. Balanced XLR outputs; direct-coupled outputs; coaxial and fiber-optic digital outputs. Favorite-track memory for 195 discs. FR 20-20,000 Hz  $\pm 0.1$  dB; dynamic range 96 dB; S/N 108 dB; ch sep 100 dB; THD 0.00135% at 1,000 Hz. Gold finish. 18 $\frac{7}{8}$  x 4 $\frac{3}{4}$  x 13 $\frac{1}{2}$  in; 36.7 lb ..... \$2,500

### LV-500 Combi-Player

1-bit Bitstream D/A conversion. Plays CD's and video-discs. Features 20-bit digital filter; digital luminance/chrominance separator; dual-side videodisc play. 2 audio outputs; fiber-optic output; 1 video output; 1 S-video output; 2 RCA audio outputs; 2 RCA video outputs; headphone jack with volume control; RC-5 interface for remote-control compatibility with other Marantz components. Synchro play with compatible

cassette decks; CD-direct mode; absolute CD time search; tape edit; random tape edit; highlight scan; 7 CD repeat modes. Dual-mode color-locked scan for CAV/CLV videodiscs via shuttle control; switchable luminance-detail reduction for S-video output to reduce video noise; 9 CAV playback speeds; 8 videodisc repeat modes; on-screen display. Defeatable FL display; single track/chapter play; last-position memory; intro scan; random track/chapter play; 24-chapter/track programming; remote digital volume control; remote control with shuttle. Gold finish. 16 $\frac{7}{8}$  x 4 $\frac{3}{4}$  x 16 $\frac{1}{2}$  in ..... \$849

Black finish ..... \$799

### CD-72 CD Player

1-bit Bitstream D/A conversion. Features 20-bit digital filter; 3rd-order noise shaping; fully floating die-cast alloy Radialinear single-beam laser mechanism; motor-driven volume control. Fixed and variable analog outputs; fiber-optic and coaxial digital outputs; RC-5 interface for remote-control compatibility with other Marantz components. Synchro play with compatible cassette decks; non-volatile favorite-track memory for 127 discs; normal/delete programming and random play; variable intro scan; remote control. FR 20-20,000 Hz  $\pm 0.05$  dB fixed, 20-20,000 Hz  $\pm 0.1$  dB variable; dynamic range 96 dB; S/N 105 dB; ch sep 100 dB and THD 0.0015% at 1,000 Hz. Gold finish ..... \$699

Black finish ..... \$599

### CC-52 5-Disc CD Changer

1-bit Bitstream D/A conversion, 5-disc carousel. Features 18-bit digital filter; 3rd-order noise shaping; 3-beam laser pickup; ability to change 2 discs during playback; 3-in-CD compatibility. Fiber-optic digital output; RC-5 interface for remote-control compatibility with other Marantz components. Synchro play with compatible cassette decks; tape edit; 32-track programming; 2-speed audible search; random play; repeat; time, track, and index displays; remote control. FR 20-20,000 Hz  $\pm 0.05$  dB; dynamic range 96 dB; S/N 100 dB; ch sep 100 dB and THD 0.003% at 1,000 Hz. Gold finish. 16 $\frac{1}{2}$  x 4 $\frac{3}{8}$  x 15 $\frac{1}{2}$  in; 14 lb \$399

Black finish ..... \$349

### CD-52 CD Player

1-bit Bitstream D/A conversion. Features 20-bit digital filter; 3rd-order noise shaping; fully floating Radialinear single-beam laser mechanism; 3-in-CD compatibility. Coaxial digital output; headphone jack with volume control. Non-volatile favorite-track memory to store 2 programs per disc; synchro play with compatible cassette decks; tape edit; 20-track programming; random play; A/B repeat; track search; elapsed-time and track displays; remote control. FR 20-20,000 Hz  $\pm 0.05$  dB; dynamic range 96 dB; S/N 105 dB; ch sep 100 dB; THD 0.0015%. Black. 16 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 11 $\frac{3}{4}$  in; 10 lb ..... \$299

## MARK LEVINSON

### Model 30 Reference D/A Converter

20-bit D/A converter. Features 2 vertical towers; separate analog and digital circuitry; microprocessor-based user interface; self-test mode; separate power supply; 3 PLL's for incoming signals. 6 XLR inputs; 2 fiber-optic inputs; 2 digital outputs; analog, XLR outputs; single-ended RCA output ..... \$13,950

## McINTOSH

### MCD-7007 CD Player

4x oversampling, dual 16-bit D/A converters. One-piece cast platform; linear torque disc motor; low-inertia laser assembly. Coaxial output. 20-track programming; scan and repeat; remote control capability. FR 20-20,000 Hz  $\pm 0$ , -0.3 dB; ch sep 102 dB and THD 0.0012% at 1,000 Hz; S/N 107 dBA; dynamic range 96 dB. 16 $\frac{1}{8}$  x 5 $\frac{3}{8}$  x 13 in; 18 lb \$1,995

### MCD-7008 7-Disc CD Changer

8x oversampling, dual 20-bit D/A converters. Magnet-ic disc clamp. Coaxial output; remote control inputs. Time data memory; 50-track programming; random

and repeat play; remote control. FR 5-20,000 Hz -3 dB; S/N 107 dBA; dynamic range 100 dB; ch sep 100 dB and THD 0.002% at 1,000 Hz. 17 $\frac{1}{2}$  x 5 $\frac{3}{8}$  x 17 in; 25 lb ..... \$1,995

## MELOS

### MAX-1 Tube D/A Converter

1-bit D/A converter. 3 inputs including fiber-optic. 2-chassis design; balanced circuitry and outputs; switchable phase; volume control; muting; bypass switch. FR 20-20,000  $\pm 0.3$  dB; S/N 85 dB; THD 0.09%; max output 8 V. 30 lb ..... \$2,795

**MAX-2.** As above, single chassis with no balanced outputs or volume control. Max output 4 V. 17 lb ..... \$1,995

### CD-T Bitstream Tube CD Player

1-bit D/A converter. Features 2-chassis design; toroidal transformer; regulated power supplies. Gold-plated Tiffany connectors. 20-track programming; remote control. FR 20-20,000 Hz  $\pm 0.3$  dB; THD 0.07%; S/N 90 dB; output 3 V rms ..... \$1,795

## MEMOREX

### MX-6000 Portable CD System

Features programmable CD player; double cassette deck with high-speed dubbing; 4-band graphic EQ; detachable 2-way speakers. Bass boost. 4 W x 2. 22 $\frac{1}{4}$  x 14 $\frac{1}{2}$  x 16 $\frac{3}{4}$  in; 20 lb ..... \$250

### MX-5300 Portable CD System

Features programmable CD player; double cassette deck with autoreverse; 3-band graphic EQ. Bass boost. 25 $\frac{1}{4}$  x 10 x 9 $\frac{1}{4}$  in; 8.5 lb ..... \$180

### MX-5100 Portable CD System

Features CD player; cassette deck; AM/FM tuner. 18 $\frac{1}{4}$  x 8 x 10 $\frac{1}{4}$  in; 8.3 lb ..... \$150

## MERIDIAN

### Model 208 CD Player/Preamplifier

Dual 1-bit D/A converters. Passive differential analog filters; high-stability master clock; high-speed tracking servo; circuit built on computer-grade 4-layer PC boards; two-box construction separates transport and electronics. Analog preamp with 3 inputs and 64-step volume control. 2 fiber-optic and coaxial digital outputs; line-level analog input convertible to phono with optional MC MM board. LED display; lighted control keys; remote control. FR 20-20,000 Hz; S/N 106 dBA; THD 0.004%. 12 $\frac{3}{4}$  x 4 x 12 $\frac{3}{4}$  in ..... \$2,950

### Model 602 CD Transport

Features proprietary microprocessor to regulate control and tracking functions; high-speed servos; two-box chassis design; user-adjustable track-select settling time; LED indicators; Fiber-optic Comms communication system for compatibility with 600 Series. Compatible with Meridian 200 Series components. 12 $\frac{3}{4}$  x 4 x 12 $\frac{3}{4}$  in ..... \$2,750

### Model 606 D/A Converter

Dual 1-bit PDM D/A converters. Features passive differential analog filtering; PLL detection circuit; auto sampling-rate selection; computer-grade, 4-layer PC board construction with ground plane design. Coaxial and fiber-optic digital inputs ..... \$2,250

### Model 206B CD Player

4x oversampling, dual 16-bit D/A converters. Features 2-piece design; physical and electrical isolation between transport, power supply, and digital and analog electronics; passive analog filter. Fiber-optic and coaxial digital outputs. Track/index search; last position memory. 12 $\frac{1}{2}$  x 4 x 12 in; 20 lb ..... \$1,990

### Model 203 D/A Converter

Dual 1-bit D/A converters. Passive differential analog filtering; PLL detection circuit; auto sampling-rate selection; computer-grade, 4-layer PC board construction with ground-plane design; separate transport and audio sections. Coaxial and fiber-optic digital

inputs. LED indicators. s/N 106 dBA. Matte-black finish with glass front. 6¼ x 4 x 12¼ in ..... \$990

**META RESEARCH**

**Meta-Laser CD Transport**

Features metacrylate, gold-plated brass top-loading mechanism; independent regulated power supply. 75-ohm coaxial and Toslink fiber-optic digital outputs. Remote control. 13 x 2½ x 13 in ..... \$3,750

**Meta-Convert D/A Converter**

18-bit digital filter. Employs Goldmund conversion technology. Coaxial RCA and Toslink fiber-optic inputs; optional internal digital-switching module for 6 additional inputs, including digital tape loop. Output imp 100 ohms. 13 x 2 x 13 in ..... \$3,200

**MIRROR IMAGE AUDIO**

**Model .4D D/A Converter**

8x oversampling, 20-bit D/A converter. Features fixed, variable, and balanced analog line-level outputs; 3 digital and 2 fiber-optic outputs. FR 20-20,000 Hz ± 0.1 dB; s/N 110 dB; THD -96 dB. 0.6 lb ..... \$5,135

**Model .3D D/A Converter**

8x oversampling, 20-bit D/A converter. Features fixed line-level output; 3 coaxial and 2 fiber-optic digital outputs. FR 20-20,000 Hz ± 0.1 dB; s/N 110 dB; THD -96 dB. 6.8 lb ..... \$3,990

**Model .2D D/A Converter**

8x oversampling, 20-bit D/A converter. Designed for .2P preamplifier. Features coaxial digital and fiber-optic digital outputs. FR 20-20,000 dB ± 0.1 dB; s/N 110 dB; THD -96 dB. 6.8 lb ..... \$1,985

**MISSION**

**Mission DAD5 CD Player**

1-bit D/A converter. Features steel reinforced chassis with aluminum front panel. THD 0.005%; s/N 98 dB and dynamic range 92 dB from 20-20,000 Hz; ch sep 90 dB; linearity at -90 dB ± 1 dB. Black. 14¼ x 4 x 11½ in; 7.7 lb ..... \$699

**Mission DAC5 D/A Converter**

1-bit D/A converter. Features 1st-order noise shaper; single-stage multi-loop 3rd-order noise shaper; toroidal transformer with six separate power supplies. THD 0.001%; s/N 112 dB and dynamic range 100 dB from 20-20,000 Hz; ch sep 100 dB; linearity at -90 dB ± 0.5 dB. Black. 2¼ x 4 x 11½ in; 3.3 lb ..... \$699

**MITSUBISHI**

**M-C6010 5-Disc CD Changer**

8x oversampling, dual 18-bit D/A converters, 5-disc magazine. Video input for CD+G decoder; video output; fiber-optic, coaxial digital, and headphone outputs. 20-track programming per magazine for 50 magazines; on-screen display; tape edit; track and Intro scan; index search; random play; 3-in-CD compatibility; remote control ..... \$849

**M-C4030 5-Disc CD Changer**

4x oversampling, dual 18-bit D/A converters, 5-disc magazine. Headphone jack. 20-track programming; track and intro scan; index search; random play; 3-in-CD compatibility; remote control ..... \$499

**M-C2050 CD Player**

Dual 1-bit D/A converters. Coaxial, fiber-optic digital, and headphone outputs. 20-track programming; music calendar; track and intro scan; intro scan; random play; remote control; 3-in-CD compatibility ..... \$349

**MOBILE FIDELITY**

**UltraAmp D/A Converter**

4x oversampling, 16-bit D/A converter. Features Philips TDA 1541 chip; separate transformers for digital and analog sections; RF filtering; absolute phase inversion; jitter-reduction circuitry; discrete 2-stage

post filter; DC coupling. Coaxial and fiber-optic digital inputs. THD 0.02%; s/N 96 dB. 18 x 3½ x 10 in; 6.5 lb ..... \$1,695

**MOD SQUAD**

**Signature CD Player**

4x oversampling, dual 16-bit D/A converters. Features fast-settling, current-summing amplifier stage; proprietary zero-feedback voltage regulation for analog section and D/A converter voltage reference; all direct-coupled circuitry; DC-servo amplifier; absolute phase inversion from front panel or remote. Coaxial and fiber-optic digital outputs; fixed and variable line outputs. Programmable remote; motor-driven volume; 20-track programming; index search; track scan. FR 0.1-20,000 Hz ± 0.5 dB; s/N -100 dB; THD 0.005%; output level 4 V rms ..... \$2,995

**McCormack CD Transport**

Features damping felt and spike; aluminum and copper-plated steel chassis; absolute phase inversion from front panel. 1 fiber-optic and 2 coaxial digital outputs. Remote control; random play; auto music scan; indexing ..... \$1,995

**Prism II CD Player**

4x oversampling and Philips 16-bit digital processing. Features digital-data/clock-line timing for current synchronization and minimal jitter; fast-settling, current-summing amplifier stage; proprietary zero-feedback regulators for analog section and for D/A-converter voltage reference; direct-coupled circuitry; DC servo amplifier. Fixed and variable line-level outputs; output level 4 V rms; coaxial digital outputs. Remote control; 20-track programming; 4 repeat modes; digital-time-domain alignment. FR 0.1-20,000 Hz ± 0.05 dB; s/N -110 dB; THD 0.02%. 11 lb ..... \$1,895

**MONARCHY AUDIO**

**Model 22 D/A Converter**

8x oversampling, dual 20-bit D/A converters. Features GIC analog low-pass filter; separate power supplies. Coaxial fiber-optic inputs; unity-gain buffered output; balanced outputs. Phase-reverse switch. 32-, 44.1-, and 48-kHz sampling rates; s/N 116 dBA; THD 0.0015%; output imp 100 ohms ..... \$1,130  
Without balanced outputs ..... \$930

**MSB TECHNOLOGY**

**MSB D/A Converter**

Packaged in 50-lb patented Isolation Plate which doubles as platform for transport. Low-imp power supply; line dampener and Cardas phono output jacks; non-inductive metal-film resistors; soldered connections. 2,000 V/μs slew rate; 100 nanosecond settling time to 0.01%; jitter rate 100 picoseconds ..... \$2,995

**MSB CD Player**

Low-imp power supply; Cardas phono output jacks, line cord, and shielding; REL capacitors, 1% resistors; soldered connections. 30-track programming; solid brass panels; alphanumeric display and keyboard; custom track/disc naming; auto disc identification and recognition for 144 discs. Slew rate 2,000 V/μs ..... \$2,795

**MUSEATEX**

**CD-D1 CD Transport**

Features jitter-reduction circuitry; Philips swing-arm laser servo; aluminum drive. Fiber-optic and coaxial digital outputs. Museatex software provides programming. 5-yr warranty (1 year on drive). 16 lb ..... \$1,749

**Melior D/A Converter**

8x oversampling, 18-bit D/A converter. Features jitter-reduction circuitry; Philips SAA 7350 chip; auto sampling-rate selection from fiber-optic and coaxial inputs. FR 5-20,000 Hz; THD 0.03%; s/N 95 dB. 5-yr warranty. 7 lb ..... \$899

**MUSICAL CONCEPTS**

**Eden CD Player**

1-bit D/A converter. Fixed, variable, and balanced line-level outputs; fiber-optic and coaxial outputs; headphone jack with level control. Elapsed-time display; 24-track programming; 4 repeat modes; remote control. FR 2-20,000 Hz; s/N 96 dBA; THD 0.0025%. Gold-matte finish. 37 lb ..... \$3,795

**Epoch III CD Player**

1-bit D/A converter. Outboard power supply for analog circuits. Fixed line-level output; coaxial output; headphone jack with level control. Elapsed-time display; 30-track programming; 4 repeat modes; remote control. s/N 100 dBA; THD 0.0025% ..... \$1,295

**Era III.** As above, separate transformer/power supply analog circuits ..... \$895

**Enigma III.** As above, regular power supply ..... \$595

**NAD**

**Model 5000 CD Player**

1-bit MASH D/A converter. Separate regulated power supplies for analog and digital sections; dynamic-range circuit. Low-imp fixed and variable inputs; serial digital output. 20-track programming; remote control. FR 5-20,000 Hz; THD 0.002%; s/N 106 dBA; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 17½ x 3¾ x 11½ in ..... \$499

**Model 5440 CD Player**

1-bit MASH D/A converter. Separate power supplies for analog and digital sections; controlled dynamic-range circuit. Low-imp fixed and variable outputs; serial digital output. 20-track programming; remote control. FR 5-20,000 Hz ± 0.2 dB; THD 0.002%; s/N 106 dBA; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 16½ x 3¾ x 11½ in; 9 lb ..... \$429

**Model 505 5-Disc CD Changer**

1-bit MASH D/A converter, 5-disc carousel. Individually filtered and regulated DC power supplies; controlled dynamic range circuit; ability to replace 2 discs during playback. Coaxial digital output; NAD-Link multiroom input/output jacks. 32-track programming; random play; remote control. FR 20-20,000 Hz -1 dB; THD 0.0025%; s/N 106 dBA; dynamic range 98 dB; ch sep 90 dB at 1,000 Hz. 16½ x 5¼ x 14½ in ..... \$399

**Model 5425 CD Player**

1-bit MASH D/A converter. Low-imp outputs. Features 16-track programming; remote control. FR 5-20,000 Hz ± 0.5 dB; THD 0.0025%; s/N 106 dBA; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 16½ x 3¾ x 10¼ in; 9 lb ..... \$299

**NAIM**

**NA CDS CD Player**

4x oversampling, Philips 16-bit D/A converter. Top-loading design with separate power supply; precision-suspended mounting for custom high-torque transport; low-mass magnetic clamp. Remote control. FR 10-18,000 Hz ± 0.1 dB; output level 2 V rms at 1 kHz; output imp 100 ohms. DC offset-sensing protection circuits with fail-safe relay muting ..... \$7,395

**NA CDI CD Player**

4x oversampling, 16-bit D/A converter. Features top-loading design; internal suspended subchassis for transport and D/A board; low-mass magnetic clamp. FR 10-18,000 Hz ± 0.1 dB; THD 0.01% from 10-18,000 Hz; output imp 10 ohms ..... \$3,995

**NAKAMICHI**

*Except for CDPlayer4, the following feature Nakamichi's Music Bank System, which employs a fixed internal mechanism that accepts 6 discs and a single-disc tray.*

**Model 1000mb 7-Disc CD Transport**

Acoustic Isolation design; acoustic shield multi-compartment construction; dual-suspension die-cast

# C D C O M P O N E N T S

chassis; disc stabilizer; die-cast zinc pickup base; push-pull digital interface. Coaxial and fiber-optic digital outputs; optional glass fiber-optic output. Synchro play with compatible cassette decks ... \$6,000

### CDPlayer1 7-Disc CD Changer

20-bit D/A converter. Features hand-selected converter IC; discrete 3rd-order Bessel analog low-pass filter; rigid 2-layer steel chassis. Coaxial digital outputs. FR 5-20,000 Hz  $\pm$  0.5 dB; THD + noise 0.003%; SN 105 dBA ..... \$2,000

### CDPlayer2 7-Disc CD Changer

8x oversampling, 20-bit D/A converter. Features disc stabilizer; 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc drive. Digital outputs; system remote terminals; headphone jack with volume control. Variable output level; random play; synchro rec; disc scan; repeat; music calendar; 3-in-CD compatibility; remote control. FR 5-20,000 Hz  $\pm$  0.5 dB; THD 0.0025%; SN 105 dBA; ch sep 98 dB ..... \$799

### CDPlayer3 7-Disc CD Changer

8x oversampling, 18-bit D/A converter. Features disc stabilizer; 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc-drive mechanism. System remote terminals. Random play; disc scan; repeat; music calendar; 3-in-CD compatibility; headphone jack with volume control; remote control. FR 5-20,000 Hz  $\pm$  0.5 dB; THD 0.0035%; SN 103 dBA; ch sep 97 dB. 17 x 4 x 14 $\frac{1}{4}$  in; 12 lb ..... \$599

### CDPlayer4 CD Player

8x oversampling, 18-bit D/A converter. Features 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc-drive mechanism. Digital outputs; system remote terminals. Headphone jack with volume control. Repeat; 3-in-CD compatibility; remote control. FR 5-20,000 Hz  $\pm$  0.5 dB; THD 0.0035%; SN 100 dBA; ch sep 95 dB. 17 x 4 x 12 $\frac{1}{2}$  in; 11 lb ..... \$349

## NIKKO

### NCD 950R CD Player

1-bit D/A converter. 20-track programming; remote control; random play; 3 repeat modes; intro scan, LCD display ..... \$160

### NCD 760 CD Player

4x oversampling, 20-track programming; 3 repeat modes; random play; intro scan; LCD display ... \$140

### NCD 150 CD Player

4x oversampling, 18-bit D/A converter. Fixed line-level outputs; headphone jack. Features 20-track programming; random play; 3 repeat modes; skip/scan. FR 20-25,000  $\pm$  1.5 dB; SN 95 dB; IM 0.07%; output imp 2,200 ohms. 16 $\frac{1}{8}$  x 3 $\frac{1}{4}$  x 10 $\frac{7}{8}$  in; 9.3 lb ... \$139

### CD Changers

### NCD 2600R 5-Disc CD Changer

1-bit D/A converter, 5-disc carousel. Remote control; random play; 3 repeat modes; program/intro scan; LCD display ..... \$260

### NCD 2500R 5-Disc CD Changer

8x oversampling, dual 20-bit D/A converters, 5-disc carousel. Fixed line-level outputs; headphone jack. 32-track programming; remote control; random play; 3 repeat modes; program/intro scan. FR 4-20,000 Hz; SN 100 dB; IM 0.01%. 18 $\frac{3}{8}$  x 19 $\frac{1}{8}$  x 10 $\frac{1}{8}$  in; 13.3 lb ..... \$259

## NIKKODO

### LV-2000 Karaoke Combi-Player

Plays CD's and videodiscs. Headphone jack. Digital echo processor; vocal changer to eliminate vocals on MPX software; MPX sound switch. 20-track programming; repeat; tape edit; videodisc dual-side play; remote control. SN 103 dB ..... \$850

## NSM

### NSM CD 3101 100-Disc CD Changer System

1-bit D/A converter, two 50-disc magazines. Features Philips CDM-4 laser system; controller with single-disc tray. Keyboard controller; LED display; random, repeat and advance play of any track in changer; 99-program memory. FR 20-20,000 Hz  $\pm$  0.15 dB, -0.02 dB; THD 0.035% from 20-20,000; ch sep 89 dB at 1,000 Hz; SN 94 dBA. Changer: 18 $\frac{1}{2}$  x 13 $\frac{3}{8}$  x 8 $\frac{1}{4}$  in; 33 lb. Controller: 16 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 11 in; 9 lb ... \$4,000

## ONKYO

*Models featuring the next-selection function allow the user to select the next track without interrupting track playing. All models, except DX-V801 and DX-F5, are compatible with Onkyo's RI-system control.*

### DX-V801 Combi-Player

8x oversampling, dual 20-bit D/A converters. Plays CD's and videodiscs. Features center-mounted tray; aluminum front panel. Two sets of A/V outputs. Intro scan; 24-track programming; 7 repeat modes; A-B repeat; random play; direct track access; two 20-track music calendars; on-screen display; remote control. FR 4-20,000 Hz  $\pm$  0.5 dB; audio SN 107 dB. Hor res 425 lines; video SN 49 dB ..... \$1,100

### DX-F5 Portable CD Player

Dual 16-bit D/A converters. Features 18-bit digital filter; dynamic bass expander. 24-track programming; backlit LCD; wireless remote control. Includes rechargeable batteries and AC adaptor. 11.8 oz with batteries ..... \$300

### CD Players

### Grand Integra DX-G10 CD Player

8x oversampling, dual 18-bit D/A converters. Features 4-msb calibration for D/A converters; 5-element optical coupling; cast-steel antivibration chassis; high-speed linear-motor laser transport; 3rd-order GIC-type analog output filters; separate transformers for digital and analog stages. Coaxial and fiber-optic digital outputs; fixed and variable analog outputs. Variable-speed scan and cue; 4 repeat modes; 16-track programming; direct track access; time-search function; phase-reverse switch; remote control ..... \$2,500

### Integra DX-708 CD Player

Dual 1-bit D/A converters. Features optical coupling; linear motor drive; transformer designed to prohibit electromagnetic interference; copper-plated chassis; complementary distortion canceler; center-mounted aluminum die-cast disc tray. Fiber-optic output. Program reverse; auto spacing; peak search; auto fade; 2-mode random play; 5 repeat modes; 2-mode high-speed scan; switchable display dimmer; RI-system cassette-deck compatibility; remote control ... \$750

### Integra DX-706 CD Player

Dual 1-bit D/A converters. Features linear-motor drive; complementary distortion canceler; center-mounted aluminum die-cast disc tray. Fiber-optic output. Program reverse; auto spacing; peak search; auto fade; 2-mode random play; 4 repeat modes; 2-mode high-speed scan; switchable display dimmer; RI-system cassette-deck compatibility; remote control ..... \$550

### DX-705 CD Player

Dual 1-bit D/A converters. Features 3-in-CD compatibility. Fiber-optic output; headphone jack with volume control. Program memory for 204 discs; program reverse; next-selection function; synchro play with compatible cassette decks; auto play; peak search; 5 repeat modes; random play; 36-track programming; 20-track music calendar; direct track access; switchable display dimmer; remote control ..... \$330

### DX-703 CD Player

Dual 1-bit D/A converters. Fiber-optic output; headphone jack with volume control. Next-selection function; synchro play with compatible cassette decks;

peak search; 4 repeat modes; random play; 36-track programming; 20-track music calendar; direct track access; 3-mode display; RI-system cassette-deck compatibility; remote control ..... \$230

### DX-701 CD Player

Dual 1-bit D/A converters. Headphone jack with volume control. Synchro play with compatible cassette decks; 20-track programming; 3 repeat modes; 20-track music calendar; 3-mode display ..... \$200

### CD Changers

### Integra DX-C909 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Features transformer designed to prohibit electromagnetic interference; copper-plated chassis; motor-driven volume control. Fixed and variable analog outputs; fiber-optic output; headphone jack with volume control. Program reverse; synchro play with compatible cassette decks; peak search; 40-track programming; random play; 6 repeat modes; next-selection function; direct track/disc access; 20-track music calendar; 3-mode display; RI-system cassette-deck compatibility; remote control ..... \$650

### Integra DX-C606 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Fiber-optic output; headphone jack with volume control. Program reverse; synchro play with compatible cassette decks; peak search; 40-track programming; random play; 6 repeat modes; next-selection function; direct track/disc access; 20-track music calendar; 3-mode display; RI-system cassette-deck compatibility; remote control ..... \$470

### DX-M505 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine. Program memory for 341 discs; peak search; synchro play with compatible cassette decks; 36-track programming; next-selection function; 6 repeat modes; random play; 6-key direct track/disc access; 3-mode display; remote control ..... \$430

### DX-C310 6-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 6-disc magazine. Features MSB D/A-converter calibration; 3-beam laser pickup. Random play; 40-track programming; 4 repeat modes; FL display; remote control ..... \$360

### DX-C206 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Headphone jack. Synchro play with compatible cassette decks; 40-track programming; random play; 6 repeat modes; next-selection function; 20-track music calendar; 3-mode display; RI-system cassette-deck compatibility; remote control ..... \$340

## OPTIMUS BY RADIO SHACK

### CD-6220 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Features floating disc tray; 3-in-CD compatibility. 32-track programming; 5 repeat modes; random play; track skip/scan; elapsed- and remaining-time displays; remote control. FR 20-20,000 Hz  $\pm$  1 dB; SN 105 dBA; THD 0.003% at 1,000 Hz; ch sep 93 dB; dynamic range 95 dB ..... \$230

### CD-6130 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Features 3-in-CD compatibility. 32-track programming; random play; 3 repeat modes; intro scan; track skip/scan; elapsed-time display; remote control. FR 20-20,000 Hz  $\pm$  1, -2 dB; dynamic range 95 dB; SN 105 dB; ch sep 85 dB at 1,000 Hz. 14 $\frac{1}{4}$  x 4 $\frac{3}{4}$  x 10 $\frac{1}{8}$  in; 8.4 lb ..... \$220

### CD-1760 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-in-CD compatibility. Headphone jack with volume control. 32-track programming; remote control. FR 20-20,000 Hz  $\pm$  0.5 dB; SN 105 dB; THD 0.008% at 1,000 Hz. 13 $\frac{3}{4}$  x 3 $\frac{1}{4}$  x 11 in ..... \$180





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**CD-1660 CD Player**

8x oversampling, dual 18-bit D/A converters. Features 3-in-CD compatibility. Headphone jack with volume control. 20-track programming; remote control. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 100 dB; THD 0.005% at 1,000 Hz. 17 $\frac{1}{4}$  x 3 $\frac{3}{4}$  x 9 $\frac{3}{4}$  in ..... \$180

**CD-2470 CD Player**

8x oversampling. Features floating disc tray; 3-beam laser pickup; 3-in-CD compatibility. 16-track programming; 3 repeat modes; random play; track skip/scan; elapsed- and remaining-time displays; remote control. FR 20-20,000 Hz  $\pm 1$  dB; S/N 93 dB; THD 0.035% at 1,000 Hz; ch sep 95 dB; dynamic range 92 dB. 13 $\frac{3}{4}$  x 2 $\frac{3}{4}$  x 11 in; 7.7 lb ..... \$160

**Portable CD Players**

**CD-3370 Portable CD Player**

8x oversampling, dual 16-bit D/A converters. Features 3-in-CD compatibility; 4-hr play time with alkaline batteries; AC, DC, or car-battery operation. Line-level output; headphone jack. 3-position bass boost; auto power on/off; resume play; 22-track programming; 4 repeat modes; intro scan; program search; track skip/scan; pause/cue button; remote control. Operates on 2 AA batteries. Includes Y cable and carrying case. FR 20-20,000 Hz  $\pm 0.5$ , -2 dB; dynamic range 95 dB; S/N 99 dB; ch sep 70 dB ..... \$180

**CD-3260 Portable CD Player**

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup; 3-in-CD compatibility; bass boost; 4-hr play time with alkaline batteries; AC, DC, or car-battery operation. Headphone jack; line-level output. 20-track programming; 3 repeat modes; intro scan; track skip scan. Operates on 6 AA batteries. Includes Y-connector and carrying strap. Headphones and AC adaptor optional. FR 20-20,000 Hz; dynamic range 92 dB; S/N 100 dBA; ch sep 75 dB at 1,000 Hz. 5 $\frac{1}{2}$  x 1 $\frac{1}{2}$  x 6 $\frac{3}{4}$  in; 12.1 oz ..... \$160

**PANASONIC**

**LX-101 Combi-Player**

1-bit MASH D/A converter. Plays 3-in CD's and video-discs. One-spindle brushless direct-drive motor and magnetic clamping; aspherical glass pickup lens. 2 pairs of A/V outputs; S-video output; headphone jack with volume control. On-screen displays; remote control; track skip/scan; random play; 6 repeat modes; 20-track programming; tape edit; intro scan. Time-base corrector; digital S-video separation; shuttle control; picture recall. 16 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 15 $\frac{1}{8}$  in ..... \$600

**SL-PD446 5-Disc CD Changer**

1-bit MASH D/A converter, 5-disc carousel. Ability to change 4 discs while one is playing; 2-way platter rotation; 3-in-CD compatibility. 32-track programming; repeat; random play; remote control. FR 20-20,000  $\pm 1$  dB; THD 0.009%; S/N 100 dB; dynamic range 92 dB. 14 $\frac{1}{4}$  x 5 $\frac{1}{8}$  x 16 $\frac{1}{8}$  in; 10 lb ..... \$239  
**SL-PD346.** As above, without remote control. \$219

**Portable CD Systems**

**RX-DT707 Portable CD System**

1-bit MASH D/A converter. CD player with 36-track programming and CD-to-tape dubbing; digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with double autoreverse, rec in one deck, Dolby B NR, full-logic controls, program search, synchro high-speed dubbing, auto tape-bias selector, and auto rec-level setting; biamped 2-way speakers. Motorized top panel with LCD display, 5 EQ presets; remote control; CD output; 2 aux jacks. Runs on 10 D batteries. 28 x 8 $\frac{1}{2}$  x 10 $\frac{3}{8}$  in; 18 lb ..... \$489

**RX-DT505 Portable CD System**

Four 1-bit MASH D/A converters. CD player with 36-track programming and CD-to-tape dubbing; PLL quartz digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with double autoreverse, rec in one deck, full-logic controls, program search,



Panasonic RX-DT707

high-speed and synchro-start dubbing, auto tape-bias selector and tape-level setting; biamped 2-way speakers. Remote control; CD output. Runs on 10 D batteries. 26 $\frac{7}{8}$  x 6 $\frac{7}{8}$  x 10 $\frac{3}{8}$  in; 15 lb ..... \$399

**RX-DT680 Portable CD System**

1-bit MASH D/A converter. CD player with 36-track programming and CD-to-tape dubbing; digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with double autoreverse, rec in one deck, full-logic controls, program search, high-speed and synchro-start dubbing, auto tape-bias selector, and auto rec-level setting; biamped, detachable 2-way speakers. 5-band graphic EQ; remote control; CD output, 4 external speaker jacks. Runs on 10 D batteries. 26 $\frac{1}{8}$  x 10 $\frac{1}{2}$  x 9 $\frac{1}{8}$  in; 19 lb ..... \$390

**RX-DT630 Portable CD System**

Four 1-bit MASH D/A converters. CD player with 16-track programming and CD-to-tape dubbing; PLL quartz digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with autoreverse in playback deck, high-speed and synchro-start dubbing, and auto tape-level setting; biamped 2-way speakers. 4-band EQ; bass control; CD output and external speaker jacks. Runs on 10 D batteries. 25 $\frac{3}{4}$  x 10 x 8 $\frac{1}{8}$  in; 16 lb ..... \$309  
**RX-DT610.** As above, without autoreverse or auto tape-level setting ..... \$279

**SL-PH1 Portable CD System**

4x oversampling, dual D/A converters. CD player with 18-track programming; AM/FM tuner with 7 AM/7 FM presets; two 3-in speakers. Clock/timer; auto power-off; line-level output. Runs on 6 C batteries. Includes AC adaptor. 13 x 2 $\frac{1}{8}$  x 6 in; 2.6 lb ..... \$239

**Portable CD Players**

**SL-S505C Portable CD Player**

8x oversampling, dual D/A converters. Heat-resistant polycarbonate body; Bass boost. Line-level output. 24-track programming; random play; repeat; skip scan; memory recall; high-filter switch; auto power-off; 3-in-CD compatibility; remote control capability. Includes car cassette adaptor, cigarette lighter adaptor, AC adaptor, RCA jack adaptor. Operates on 2 AA batteries. 5 $\frac{1}{8}$  x 1 $\frac{1}{4}$  x 5 $\frac{1}{8}$  in; 11 oz ..... \$259

**RX-DS202 Portable CD Player**

Four 1-bit MASH D/A converters. CD player with 16-track programming; PLL quartz digital-synthesis tuner; cassette deck with autoreverse and synchro CD-to-tape dubbing; biamped 2-way speakers. CD output. Operates on 10 D batteries. 24 x 7 $\frac{1}{4}$  x 10 $\frac{5}{8}$  in; 12 lb ..... \$239  
**RX-DS101.** As above, without autoreverse or CD output ..... \$219

**SL-NP500 Portable CD Player**

8x oversampling, dual D/A converters. Bass boost. Line-level output. 24-track programming; random

play; repeat; skip/scan; memory recall; high-filter switch; auto power-off; 3-in-CD compatibility; remote control. Operates on 2 AA batteries. Includes headphones, rechargeable batteries, AC adaptor/recharger, RCA jack adaptor, and carrying case. 5 x 1 $\frac{1}{8}$  x 5 $\frac{1}{4}$  in; 10.4 oz ..... \$199

**SL-S330 Portable CD Player**

Four 1-bit MASH D/A converters. Heat resistant polycarbonate body; Bass-boost. Line-level outputs. 24-track programming; random play; repeat; skip/scan; memory recall; high-filter switch; 3-in-CD capability. Includes AC adaptor, RCA jack adaptor, headphones. Operates on 2 AA batteries. 5 $\frac{1}{8}$  x 1 $\frac{1}{4}$  x 5 $\frac{1}{8}$  in; 10.2 oz ..... \$179

**PARAMOUNT PICTURES**

**SCP110 CD Controller**

Controls NSM 100 CD changers. Features disc ID displays of song title, disc title, artist, and record label; database with information on 40,000 CD's; ability to access discs by artist, song, or disc title; 5 playlist modes; disc/track programming; random play; timer; remote control. Black aluminum front and rosewood side panels ..... \$8,500

**CDR-210 CD Recorder**

16-bit A/D and D/A conversion. Balanced XLR and unbalanced RCA analog inputs and outputs; fiber-optic and coaxial digital inputs and outputs. vu meter; auto/manual track selection for recording; remote control. Sampling rate 44,100 Hz. THD + noise 84 dB; S/N 89 dB; ch sep 86 dB; dynamic range 90 dB. Black. 16 $\frac{1}{2}$  x 5 $\frac{3}{8}$  x 13 $\frac{1}{2}$  in; 20.9 lb ..... \$7,000

**PARASOUND**

**D/AC-2000 D/A Converter**

18-bit D/A converter. Coaxial, fiber-optic, AT&T, and BNC inputs; 2 variable RCA outputs; 1 variable XLR-balanced output. Remote control; polarity inversion switch. FR 5-20,000 Hz  $\pm 0.1$  dB; signal-to-noise ratio 108 dB; total harmonic distortion 0.05%. 19 x 3 $\frac{1}{2}$  x 10 ..... \$1,535

**DC/AC-1000.** As above, without fixed outputs or remote control. FR 5-20,000 Hz  $\pm 0.25$  dB; S/N 103 dB ..... \$695

**C/DT-1500 CD Transport**

AT&T, Toslink, coaxial outputs. Remote control; infrared repeater. 19 x 3 $\frac{1}{2}$  x 10 in ..... \$599

**C/D-1000 5-Disc CD Changer**

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser; regulated power supply. Digital output; remote control. FR 5-20,000 Hz;  $\pm 0.2$  dB; S/N 110 dB; THD 0.002% ..... \$535

**C/DX-88 CD Player**

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser; regulated power supply. Digital output.

# Adcom would like to make this perfectly clear.



Regardless of how sophisticated your stereo and video system is, it may never achieve its full performance if plugged directly into an AC outlet. Raw and unprocessed AC power can severely diminish the clarity of audio signals and reduce the resolution of your video picture.

ADCOM's ACE-515 AC Enhancer significantly improves the performance capabilities of your system by filtering and processing raw AC power, unveiling a pure, noise-free power source.

## Listen To The Critics

*"...the effective suppression of AC 'RF hash' by the ACE-515 improved clarity and lowered noise in all three CD players. . . .the significant improvements in instrumental and vocal harmonic retrieval and hall ambience are superb. . . . it simply appears to allow musical information to be passed through to the listener with less veil and electronic 'haze.' "*

—Lewis Lipnick, *Stereophile*, Vol. 11 No. 4, April 1988.

Recommended accessory in *Stereophile*, Vol. 12 No. 4, April 1989.

## Line Protection: It Pays For Itself

The ACE-515 also protects your valuable equipment from harmful high-voltage spikes and surges. And, its sequential turn-on/turn-off control circuit guards your speakers from disturbing, damaging thumps.

## Again, The Critics Agree

*"Electronic equipment (especially digital audio gear) is vulnerable to both annoying and catastrophic power-line problems. Your stereo gear should have line spike and surge protection, with hash filters thrown in too. Line protection—you can pay a little for it now, or you can pay a lot for it later."*

—Ken Pehlman, *AUDIO*, November 1987.

For a modest investment, the ADCOM ACE-515 enhances both audio and video clarity while protecting your equipment from damaging line voltage disturbances. Once again, ADCOM lives up to its reputation of offering superior performance at a reasonable cost. For complete technical data, please visit your Adcom dealer. You'll discover the ACE-515 is more than an accessory. It's a necessity.



# ADCOM®

details you can hear

20-track programming; programmable repeat; remote control. FR 5-20,000 Hz; SN 110 dB; THD 0.002% ..... \$370

**PHILIPS**

**CDV-600BK Combi-Player**

1-bit D/A converter. Plays CD's and videodiscs. Features CX NR; digital-frame memory for freeze, strobe, and picture-recall effects. S-video output; fiber-optic digital output. 5 repeat modes; random play; 20-chapter/track programming; 2-speed scan; remote control with jog/shuttle. FR 2-20,000 Hz ± 0.5 dB; SN 100 dB; dynamic range 97 dB; THD 0.002% at 1,000 Hz. Hor res 425 lines; video SN 49 dB. 17½ x 4½ x 16 in ..... \$1,100

**CDI-910 CD-I Player**

Plays CD's, CD-I's, CD+G's, Photo-CD, and CD-ROM XA discs. Features audio, video, and text decoder circuits; M68070 microprocessor. Audio, composite-video, and S-video outputs; headphone jack with volume control. Display of total tracks, total and elapsed time, track number, and operating status; track skip; remote control ..... \$999  
Various CD-I's ..... \$20-\$60

**CDV-400BK Combi-Player**

4x oversampling, dual 16-bit D/A converters. Plays CD's and videodiscs. Features CX NR. S-video output; coaxial digital output. Favorite-track selection; 5 repeat modes; 20-chapter/track programming; 2-speed scan; random play; remote control. FR 3-20,000 Hz ± 0.5 dB; SN 98 dB; dynamic range 94 dB; THD 0.003% at 1,000 Hz. Hor res 425 lines; video SN 48 dB. 16½ x 5 x 16¾ in ..... \$600

**CD-950 CD Player**

Dual 1-bit D/A converters. 20-track programming; random play; favorite track selection; tape edit; FL front panel display; music calendar; remote control. Coaxial and fiber-optic outputs; headphone jack with volume control ..... \$600

**AZ-6819 Portable CD Player**

1-bit D/A converter. 20-track programming; random play; switchable eq for jazz, pop, and classical; remote control; internally rechargeable battery. Includes wireless headphones with RF transmitter \$599

**CDC-935 5-Disc CD Changer**

Dual 1-bit D/A converters. 5-disc carousel. 20-track programming; random play; favorite track selection; tape edit; auto fade; FL display; music calendar; remote control; 3 discs changeable during play. Coaxial digital outputs; headphone jack with volume control ..... \$300

**CDC-925.** As above, without coaxial digital outputs or favorite track memory ..... \$250

**CD-920 CD Player**

Dual 1-bit D/A converters. 20-track programming; random play; tape edit; music calendar; remote control; FL display. Coaxial digital outputs; headphone jack with volume control ..... \$180

**CD-910 CD Player**

Dual 1-bit D/A converters. 20-track programming; random play; tape edit; music calendar; FL display. Headphone jack with volume control ..... \$160

**PIONEER**

**Karaoke Components**

All models, except CLD-V510, feature DSP for sound-field and vocal-effect creation. Sound fields include concert hall, stage, and arena. Vocal effects include pop, jazz, ballad, and chorus. All feature a key for replaying the last 5-seconds of a song. All models, except CLD-501, feature one-touch lead-vocal removal for CD/CDV formats.

**CLD-V920 Karaoke Combi-Player System**

Includes combi-player, cassette deck, amplifier, and two 2-way speakers. Plays CD's, videodiscs, and

Laser Karaoke discs. Features dual-side videodisc play. 2 mic inputs. Lead-vocal removal; lead-vocal volume control; digital echo control; 9-step digital musical-key controller; independent volume controls for all microphones; remote control ..... \$1,900

**CLD-V820 Karaoke Combi-Player**

Plays CD's, videodiscs, and Laser Karaoke discs. Features dual-side videodisc play. 2 mic inputs; headphone jack. Lead-vocal removal; lead-vocal volume control; digital echo control; 9-step digital musical-key controller; independent volume controls for all microphones; remote control ..... \$1,000  
**CLD-V720.** As above, without dual-side play ..... \$850  
**CLD-V510.** As CLD-V720, without digital musical-key controller ..... \$700

**Combi-Players and Combi-Changers**

Video features for the following models include last-position memory, frame-number search for CAV discs, time-number search for CLV discs, and intro chapter scan. Other features include highlight scan, 24-chapter/track programming, random play, direct chapter/track access, and SR-system remote-control compatibility.

**CLD-D701 Combi-Player**

Dual 1-bit PDM D/A converters. Plays CD's and videodiscs. Features dual-side play; digital time-base corrector; digital 3-line comb filter; picture-noise suppressor; 8-bit digital field memory; CX NR. 2 gold-plated AV outputs; 2 S-video outputs; fiber-optic digital output; headphone jack with volume control. CD-direct mode; track/time search; on-screen level meters. Scan modes; 9-speed forward/reverse play and still/step play on CAV/CLV discs; jog/shuttle controls. Tape edit for CD-to-cassette or videodisc-to-VCR dubbing; 8 repeat modes; digital level control via shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 Hz +1, -3 dB analog; SN 115 dB digital, 70 dB analog with CX NR; dynamic range 99 dB; THD 0.0018%. Hor res 425 lines; video SN 50 dB. 16½ x 5½ x 17½ in; 20.3 lb ..... \$1,200

**CLD-D501 Combi-Player**

Dual 1-bit PDM D/A converters. Plays CD's and videodiscs. Features dual-side play; digital 3-line comb filter; picture-noise suppressor; CX NR. 2 AV outputs; 1 S-video output; fiber-optic digital output; headphone jack with volume control. CD-direct mode; track/time search; on-screen level meters. 9-speed forward/reverse play and still/step play on CAV discs; shuttle controls. Tape edit for CD-to-cassette or videodisc-to-VCR dubbing; 8 repeat modes; digital level control via shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 Hz +1, -3 dB analog; SN 114 dB digital, 70 dB analog with CX NR; dynamic range 99 dB; THD 0.0018%. Hor res 425 lines; video SN 49 dB. 16½ x 5½ x 17½ in; 19.8 lb ..... \$850

**CLD-M401 5-Disc Combi-Changer**

1-bit D/A converter, 5-disc tray. Plays CD's and videodiscs. Features simultaneous loading of 5 CD's and one videodisc; videodisc play without removing CD's; CX NR. 2 AV outputs; fiber-optic digital output; S-video output; headphone jack with volume control. Auto digital level control; tape edit; time search. 9-speed forward/reverse play and still/step play for CAV discs. 5 repeat modes; on-screen level meters; shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 +1, -3 dB analog; SN 112 dB digital, 70 dB analog with CX NR; dynamic range 98 dB; THD 0.0025%. Hor res 425 lines; video SN 49 dB. 16½ x 5½ x 17½ in; 21.2 lb ..... \$760  
**CLD-M301.** As above, 1 AV output. Without 9-speed forward/reverse play, fiber-optic output, S-video output, or shuttle rings. SN 102 dB; dynamic range 96 dB; THD 0.003%. 16½ x 5½ x 17½ in; 20.9 lb ..... \$650

**CLD-S201 Combi-Player**

1-bit D/A converter. Plays CD's and videodiscs. Features separate CD tray telescoped within videodisc tray; CD-direct mode; CX NR. 1 AV output. Manual digital level control; tape edit; time search. 9-speed forward/reverse play and still/step play for CAV

discs. 7 repeat modes; on-screen level meters; shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 Hz +1, -3 dB analog; SN 102 dB digital, 70 dB analog with CX NR; dynamic range 96 dB; THD 0.003%. Hor res 425 lines; video SN 48 dB. 16½ x 47½ x 15¾ in; 15.9 lb ..... \$535

**CD Changers**

The following models feature delete play, highlight scan, tape edit, synchro play with compatible cassette decks, a digital fader, random play, and 7 repeat modes. Memory hold refers to a memory for programmed/deleted tracks that is non-volatile while magazine is in player.

**PD-TM2 18-Disc CD Changer**

1-bit D/A converter, three 6-disc magazines. Headphone jack with volume control. Memory hold for program and level; 48-track programming; remote digital level control; direct track access; FL display; SR-system remote control. Includes single-disc loader. FR 2-20,000 Hz; SN 102 dB; dynamic range and ch sep 96 dB. 16½ x 7 x 13 in; 14.9 lb ..... \$510

**PD-M901 6-Disc CD Changer**

1-bit D/A converter, 6-disc magazine. Features digital ambience processing; semi-center tray orientation. Headphone jack with volume control. Jazz, club, church, dance, hall, and stadium ambience presets with memory for each disc or magazine; program memory for 120 discs; digital level control via remote control; 40-track programming; direct track access; nonvolatile operating-status memory; SR-system remote control. Includes single-disc loader. FR 2-20,000 Hz; SN 105 dB; dynamic range 96 dB; ch sep 100 dB. 16½ x 5½ x 13 in; 10.8 lb ..... \$445  
**PD-M801.** As above, without ambience processor or single-disc loader ..... \$380  
**PD-M701.** As PD-M801, without 120-disc program memory. Programming for only 32 tracks. SN 102 dB. 16½ x 5½ x 11½ in; 8.8 lb ..... \$325

**PD-M601 6-Disc CD Changer**

1-bit D/A converter, 6-disc magazine. Features headphone jack with volume control. Digital level control via remote control; 32-track programming; FL display; SR-system remote control. FR 2-20,000 Hz; SN 102 dB; dynamic range 96 dB. 16½ x 4¾ x 11½ in; 8.4 lb ..... \$305  
**PD-M501.** As above, without headphone jack or remote control ..... \$270

**CD Players**

**PD-S501 CD Player**

1-bit D/A converter. Features semi-center tray orientation. Headphone jack with volume control. Tape edit; highlight scan; memory for program and level; digital level control via remote control; synchro play with compatible cassette decks; peak search; 24-track programming; 5 repeat modes; random play; direct track access; timer play; SR-system remote control. FR 2-20,000 Hz; SN 104 dB; dynamic range 96 dB. 16½ x 4¾ x 10¾ in; 8.4 lb ..... \$290  
**PD-201.** As above, without semi-center tray orientation. FR 2-20,000 Hz; SN 102 dB; dynamic range 96 dB. 16½ x 4 x 10¾ in; 7.7 lb ..... \$220  
**PD-101.** As PD-201, without remote control. Memory for program only. SN 98 dB ..... \$190

**Elite Series**

**PD-S95 CD Transport**

Features brushless motor; anti-resonance shell construction; centered tray orientation; discrete servo power supply; direct signal paths. Fiber-optic and coaxial digital outputs; BNC and RCA outputs. Track programming; track search; direct track access; random play; repeat; defeatable display; remote control. Gold finish. 17¾ x 6 x 17½ in; 38.6 lb ..... \$3,000

**CLD-95 Combi-Player**

8x oversampling, dual 20-bit D/A converters. Plays CD's and videodiscs. Features dual-side play; centered tray orientation; 20-bit digital filter; jitter-cancel-

ing circuitry; time-base corrector; separate audio and video circuitry and power transformers; brushless spindler motor; 8-bit digital picture memory; 2 AV outputs; S-video output; fiber-optic digital output. Random play; tape edit; remote control with jog/shuttle. FR 4-20,000 Hz  $\pm$  0.2 dB; S/N 115 dB; dynamic range 99 dB; ch sep 105 dB; THD 0.0017%. Hor res 425 lines; video S/N 51 dB ..... \$2,000

**PD-75 CD Player**

Dual 1-bit D/A converters. Features centered tray orientation; 2nd-order noise shaping; separate transformers for analog and digital sections; Class A FET buffer amp; brushless spindle motor. Fiber-optic digital output; balanced output; headphone jack with motor-driven volume control. Peak search; tape edit; direct track access; synchro play with compatible cassette decks; delete play; normal/delete random play; remote control. FR 2-20,000 Hz; S/N 112 dB; dynamic range 98 dB; ch sep 108 dB; THD 0.0018%. 18 1/2 x 5 1/2 x 13 in; 26.4 lb ..... \$1,200

**CLD-52 Combi-Player**

Dual 1-bit D/A converters. Features dual-side play; digital 3-line comb filter; CD-direct mode. 2 AV outputs; 2 S-video outputs; fiber-optic and coaxial digital outputs; gold-plated terminals. Theater audio mode; digital level control; tape edit; intro/highlight scan; synchro play with compatible cassette decks; shuttle ring; remote control with illuminated keys. FR 4-20,000 Hz  $\pm$  0.3 dB; S/N 115 dB; dynamic range 99 dB; ch sep 105 dB; THD 0.0017%. Hor res 425 lines; video S/N 50 dB. 17 3/8 x 5 3/8 x 17 1/8 in; 20.1 lb ... \$950

**PD-M95 6-Disc CD Changer**

1-bit D/A converter, 6-disc magazine. Features semi-center tray orientation; Class A FET buffer amp; separate transformers for analog and digital sections. Fiber-optic and coaxial digital outputs; headphone jack with volume control. Auto digital level control; program memory for 20 magazines/120 discs; music-type memory; tape edit; direct track access; synchro play with compatible cassette decks; delete play; normal/delete random play; remote control. FR 2-20,000 Hz; S/N 112 dB; dynamic range 98 dB; ch sep 106 dB; THD 0.0018%. 18 1/2 x 5 1/4 x 13 in; 16.8 lb ..... \$850

**PD-65 CD Player**

Dual 1-bit D/A converters. Features centered tray orientation; 2nd-order noise shaping; proprietary digital processing to smooth FR; direct signal paths; separate circuit boards and transformers for analog and digital sections; Class A FET buffer amp. Fiber-optic and coaxial digital outputs. Synchro play with compatible cassette decks; random play; repeat; track search; direct track access; defeatable display; remote control. FR 2-20,000 Hz; S/N 111 dB; dynamic range 98 dB; ch sep 107 dB; THD 0.002%. 18 1/2 x 5 1/8 x 13 in; 20.9 lb ..... \$800

**PD-M51 6-Disc CD Changer**

Dual 1-bit D/A converters, 6-disc magazine. Features semi-center tray orientation; 2nd-order noise shaping; separate transformers for analog and digital sections. Fiber-optic digital output; headphone jack with volume control. Auto-digital level control; synchro play with compatible cassette decks; memory for 20 magazines/120 discs; music-type memory; tape edit; delete play; normal/delete random play; direct disc track access; remote control. FR 2-20,000 Hz; S/N 110 dB; dynamic range 98 dB; ch sep 105 dB; THD 0.002%. 16 5/8 x 5 1/2 x 13 in; 13.9 lb ..... \$550

**PD-52 CD Player**

1-bit D/A converter. Features semi-centered tray orientation; proprietary digital processing to smooth FR; front-panel stabilization; separate circuit boards and transformers for analog and digital sections; direct signal paths. Fiber-optic and analog outputs. Synchro play with compatible cassette decks; peak search; random tape edit; defeatable display; remote control. FR 2-20,000 Hz; S/N 110 dB; dynamic range 98 dB; ch sep 106 dB; THD 0.0021%. 17 3/8 x 5 3/8 x 10 7/8 in; 11 lb ..... \$500

**PD-32 CD Player**

1-bit D/A converter. Features semi-center tray orientation; 2nd-order noise shaping; motor-driven volume control. Fixed and variable outputs; fiber-optic digital output; headphone jack with motor-driven volume control. Random tape edit; synchro play with compatible cassette decks; highlight scan; peak search; defeatable display; remote control. FR 2-20,000 Hz; S/N 108 dB; dynamic range 96 dB; ch sep 100 dB; THD 0.0026%. 17 3/8 x 5 1/8 x 10 7/8 in; 9.3 lb ..... \$400  
white, and 1 blue JD-M300 magazines ..... \$30

**PROCEED**

**Proceed CD Library 100-Disc Changer**

8x oversampling, 18-bit D/A converter, 100-disc jukebox-like magazine. Digital output; fixed and variable line-level output, single-ended or balanced. 2 random-play modes; sequence and delete modes; track access by title, artist, or musical genre. Remote control with LCD. FR 10-20,000 Hz 0, -0.2 dB; S/N 105 dB; THD 0.004%; IM 0.009%; ch sep 120 dB. 33 1/4 x 21 5/8 x 21 5/8 in; 175 lb ..... \$12,000

**PDC 3 CD Player**

8x oversampling, 20-bit D/A converter. Rigid aluminum frame with lead-filled base to reduce vibrations. FR 10-20,000 Hz -0.2 dB; THD 0.004% at 1,000 Hz; S/N 107 dB; dynamic range 104 dB; ch sep 120 dB; IM 0.008%. 8 3/8 x 9 x 13 1/4 in; 35 lb ..... \$2,995

**PDP 3 D/A Converter**

8x oversampling, 20-bit D/A converter. FR 10-20,000 Hz -0.2 dB; THD 0.004% at 1,000 Hz; dynamic range 104 dB; S/N 107 dB; ch sep 120 dB; IM 0.008%. 8 3/8 x 3 3/8 x 15 5/8 in; 22 lb ..... \$2,495

**PDT 3 CD Transport**

Features multiregulated power supply; rigid aluminum frame and lead-filled base for vibration reduction; machined aluminum spiked/padded feet. Single-ended RCA, AES/EBU XLR, Toslink fiber-optic, and AT&T fiber-optic digital outputs ..... \$2,495

**PROTON**

**AC-620 CD Player**

4x oversampling, dual 16-bit D/A converters. Fixed and variable outputs; headphone jack. Direct-track access; 20-track programming; random play; intro scan; level control; repeat; index search; remote-control compatible. FR 20-20,000 Hz  $\pm$  0.3 dB; S/N 100 dB; THD at 1,000 Hz 0.003%. 18 1/2 x 3 7/8 x 15 5/8 in; 17 lb ..... \$650

**AC-425 CD Changer**

Dual 1-bit D/A converters, 5-disc carousel. Features ability to change 4 CD's while 1 plays; 3-beam laser pickup. Headphone jack. Direct track access; 40-track programming; random play; track skip; 2 repeat modes; index search; remote control. FR 20-20,000 Hz  $\pm$  0.3 dB; dynamic range 96 dB; S/N 100 dB; THD at 1,000 Hz 0.03%; ch sep 90 dB. 17 5/8 x 4 3/8 x 15 5/8 in ..... \$450

**AC-422 CD Player**

Dual 1-bit D/A converters. Features 20-track programming; random play; 4 repeat modes; index search; remote control. FR 20-20,000  $\pm$  0.3 dB; S/N 96 dB; THD at 1,000 Hz 0.005%. 17 1/2 x 3 1/8 x 11 7/8 in ..... \$350

**PS AUDIO**

**UltraLink Generation Two D/A Converter**

8x oversampling, 20-bit D/A converter. Based on UltraAnalog 20-bit D/A converter. Features 3-pole modified Bessel filter; 9 individual regulation stages; 3 independent power supplies; 3 bridge rectifiers; 40,000- $\mu$ F power capacitance; low-imp, high-current, Class A output; 2 coaxial inputs; Toslink fiber-optic input; optional AT&T glass input; balanced XLR and single-ended coaxial outputs; digital tape output; gold-plated connectors. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.01%; 17 x 2 1/2 x 9 in; 15 lb ..... \$1,995  
With AT&T Input ..... \$2,195

**SuperLink Generation Two D/A Converter**

8x oversampling, 18-bit D/A converter. Features 3rd-order phase linear analog filtering; 2 independent power supplies. Coaxial and fiber-optic connectors; low-imp high-current output; gold-plated Tiffany connectors. Touch-sensitive front-panel switching; individually adjusted D/A converter chips; auto clock-rate adjustment to accommodate digital source; phase-inversion switch; upgradable ..... \$1,195

**DigitalLink Generation Two D/A Converter**

8x oversampling, 18-bit D/A converter. Features upgradable design; 1st-order phase linear analog filtering; touch-sensitive front-panel switching. Coaxial and fiber-optic outputs; low-imp high-current output; gold-plated Tiffany connectors. Auto clock-rate adjustment. 17 x 2 1/2 x 7 in; 11 lb ..... \$499

**QUAD**

**Quad 66 CD Player**

4x oversampling, D/A converters hand-selected for linearity/low noise. RCA and coaxial outputs. Operation via Quad 66 series control panel; remote control. FR 20-20,000 Hz  $\pm$  0.1 dB; THD 0.003%; dynamic range 96 dB; ch sep 96 dB at 1,000 Hz; S/N 96 dB. 12 3/4 x 3 1/4 x 10 in; 8 lb ..... \$1,200

**QUASAR**

**LD9090 Combi-Player**

8x oversampling, 18-bit D/A converter. Plays CD's and videodiscs. S-video output. Features dual-side play; center-mounted tray; vibration insulators; dual magnet-clamp system; 1-spindle brushless direct-drive motor. Programmed and random play; custom indexing; CRT level indicator. Hor res 425 lines; S/N 48 dB. 17 x 5 x 16 in; 20 lb ..... \$900

**LD500 Combi-Player**

1-bit MASH D/A converter. Features precision aspherical glass pickup lens; magnetic disc-clamping mechanism; brushless direct-drive motor; digital time-base corrector; digital Y/C separation circuit. 1 S-video and 2 composite-video inputs and outputs; 2 audio inputs and outputs. 20-track programming; shuttle dial; tape edit; intro scan; remote control ..... \$650

**GXD700 Portable CD System**

1-bit MASH D/A converter. CD player with 16-track programming; digital AM/FM tuner with 10 AM/10 FM presets; double cassette decks with relay play and high-speed dubbing; detachable 2-way speakers. FR 20-20,000 Hz -2 dB; S/N 95 dB. 25 5/8 x 10 x 8 7/8 in; 16 lb ..... \$300

**CD850 Portable CD Player**

1-bit MASH D/A converter. 18-track programming; random play; illuminated LCD display; bass boost. Includes headphones, remote control, cable, AA Ni-Cd rechargeable batteries, AC adaptor/charger, car cassette adaptor, 12-V car power adaptor, CD holder, carrying case. FR 20-20,000 Hz -1.5 dB; S/N 96 dB. 5 x 1 x 5 3/4 in; 13 oz ..... \$290

**CD892 5-Disc CD Changer**

1-bit MASH D/A converter, 5-disc carousel. Features front-loading drawer; bidirectional platter rotation. 32-track programming; FL display; 3 random-play modes; repeat play; remote control. FR 2-20,000 Hz  $\pm$  1 dB; S/N 100 dB. 17 x 5 1/8 x 15 1/4 in; 11 lb ... \$280

**CD852.** As above, without bidirectional carousel or remote. 14 1/4 x 5 x 15 3/4 in ..... \$250

**CD832 CD Player**

1-bit MASH D/A converter. 20-track programming; FL display with music calendar; track skip, scan, and repeat play. FR 2-20,000 Hz +1 dB; S/N 100 dB. 14 1/8 x 3 3/4 x 11 in; 7 lb ..... \$180

**REALISTIC BY RADIO SHACK**

**MD-1000 Combi-Player**

4x oversampling. Plays CD's and videodiscs. Digital audio output, RF and AV outputs; headphone jack

# C D C O M P O N E N T S

with volume control. Tape edit. Non-volatile resume play; still-frame functions. 20-track/chapter programming; search; intro scan; random play; 4 repeat modes; on-screen display; digital FL display with music calendar; remote control. FR 20-20,000 Hz; dynamic range 90 dB; S/N 90 dB. S/N 47 dB; hor res 425 lines. 17 x 4<sup>7</sup>/<sub>8</sub> x 15<sup>1</sup>/<sub>2</sub> in; 19 lb ..... \$400

## ROTEL

### RCD965BX CD Player

Dual 1-bit D/A converters. Track programming; random/repeat play; indexing; track skip/scan; remote control. FR 20-20,000 Hz ± 0.05 dB; S/N 100 dB; THD + noise 0.0025% at 1,000 Hz; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17<sup>3</sup>/<sub>8</sub> x 3<sup>3</sup>/<sub>8</sub> x 13<sup>1</sup>/<sub>2</sub> in; 13 lb ..... \$550

### RCD955AX CD Player

4x oversampling, dual 16-bit D/A converters. Features track programming; random/repeat play; track skip/scan; remote control. FR 20-20,000 Hz ± 0.05 dB; S/N 100 dB; THD + noise 0.0025% at 1,000 Hz; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17<sup>3</sup>/<sub>8</sub> x 3<sup>3</sup>/<sub>8</sub> x 13<sup>1</sup>/<sub>2</sub> in; 13 lb ..... \$450

## SAMSUNG

### Portable CD Systems

#### PCD-710 Portable CD System

CD player with 16-track programming, 3-in-CD compatibility, random/repeat play, intro scan, music calendar, AM/FM tuner; double cassette deck with high-speed dubbing, tape-bias selector; 3-band graphic EQ; four 2-way speakers. 5 W x 2 with 10% THD. 27 x 9<sup>5</sup>/<sub>8</sub> x 8<sup>1</sup>/<sub>4</sub> in; 15 lb ..... \$320

#### RCD-1300 Portable CD System

CD player with 16-track programming, 3-in-CD compatibility, 3-beam laser pick-up, random play, repeat play, intro scan, and music calendar; AM/FM tuner; double cassette deck with high-speed dubbing; two 4-in speakers. 3.5 W x 2 with 10% THD. 25<sup>3</sup>/<sub>4</sub> x 8<sup>1</sup>/<sub>2</sub> x 7<sup>7</sup>/<sub>8</sub> in; 10 lb ..... \$280

#### RCD-995 Portable CD System

CD player with 16-track programming, random/repeat play, intro scan; AM/FM tuner; cassette deck; 4-in speakers. 3.5 W x 2 with 10% THD. 21<sup>7</sup>/<sub>8</sub> x 7<sup>3</sup>/<sub>8</sub> x 7<sup>7</sup>/<sub>8</sub> in; 8 lb ..... \$240

## SANSUI

#### Audio Note A-4 Portable CD System

Dual D/A converters. CD player with 20-track programming and 3-in-CD compatibility; PLL digital-synthesis AM/FM tuner with 10 AM/20 FM presets and sleep timer; autoreverse cassette deck with synchro dubbing and one-touch record; karaoke mode with mic inputs and volume control; fold-out speakers. AC or battery power; speaker outputs. 12<sup>1</sup>/<sub>4</sub> x 8<sup>3</sup>/<sub>8</sub> x 3<sup>1</sup>/<sub>8</sub> in; 5 lb ..... \$500

#### CD-X617 CD Player

Eight 1-bit MASH D/A converters. Features center-mounted tray. Headphone jack with volume control. 24-track programming; 4 repeat modes; track skip/scan; timer; remote control. FR 4-20,000 Hz; THD 0.002%; S/N 110 dB; dynamic range 98 dB ..... \$499

#### CD-X317 CD Player

Eight 1-bit MASH D/A converters. Center-mounted tray. Headphone jack with volume control. 24-track programming; 4 repeat modes; track skip/scan; timer play; remote control. FR 4-20,000 Hz; THD 0.002%; S/N 110 dB; dynamic range 98 dB ..... \$329

#### CD-390M 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Tape dubbing output. 30-track programming; random/repeat play; track skip/scan; synchro play with compatible tape decks; auto space; remote control. FR 5-20,000 Hz ± 1 dB; THD 0.03%; S/N 95 dB; dynamic range 95 dB. 17 x 5 x 15 in; 12 lb ..... \$259

#### CD-117K CD Player

8x oversampling, dual D/A converters. Features 3-beam laser pickup; karaoke vocal-suppression circuitry. Mic input. Karaoke mode switch; echo switch; mic volume control; 25-track programming; random play; 5 repeat modes; track skip/scan; 3-way time display; 3-in-CD compatibility; remote control. FR 8-20,000 Hz ± 1 dB; THD 0.08%; S/N 100 dB; dynamic range 90 dB; ch sep 85 dB. 17 x 3<sup>3</sup>/<sub>8</sub> x 11<sup>1</sup>/<sub>8</sub> in; 7 lb ..... \$235

#### CD-270 CD Player

Features 25-track programming; random play; 5 repeat modes; track skip/scan; 3-way time display; remote control. FR 4-20,000 Hz ± 1 dB; THD 0.08%; S/N 100 dB. 17 x 3<sup>3</sup>/<sub>8</sub> x 11<sup>1</sup>/<sub>8</sub> in; 7 lb ..... \$199

## SANYO

#### CPM510 CD Changer

8x oversampling, dual 16-bit D/A converters, top-loading 5-disc carousel. Features 18-bit digital filter. 32-track programming; time counter; intro scan; random play; remote control. S/N 98 dB; FR 20-20,000 Hz -1 dB; ch sep 80 dB at 1,000 Hz. Charcoal-gray finish. 16<sup>1</sup>/<sub>2</sub> x 4<sup>1</sup>/<sub>2</sub> x 15<sup>5</sup>/<sub>8</sub> in; 9 lb ..... \$200

#### CPM500 CD Changer

8x oversampling, 18-bit D/A converter, top-loading 5-disc carousel. 32-track programming; intro scan; random play. FR 20-20,000 Hz +0, -1 dB; S/N 98 dB, ch sep 80 dB at 1,000 Hz. Charcoal-gray finish with dust cover. 16<sup>1</sup>/<sub>2</sub> x 4<sup>1</sup>/<sub>2</sub> x 15<sup>5</sup>/<sub>8</sub> in; 8 lb ..... \$180

#### CDP-30 Portable CD Player

8x oversampling, 16-bit D/A converter. 3-beam laser pickup. Headphone jack. 22-track programming; 3 repeat modes; track skip/search; LCD. Includes Y-type patch cable, AC adaptor, and headphones. FR 20-20,000 Hz ± 3 dB; THD 0.14%; dynamic range 64 dB; ch sep 40 dB at 1,000 Hz. 5<sup>1</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>8</sub> x 6 in; 9 lb ..... \$130

#### CP791 CD Player

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; 3-beam laser pickup. 24-track programming; repeat play; track skip/search; LCD display; time counter. FR 20-20,000 Hz +0, -1 dB; THD 0.05% at 1,000 Hz; S/N 96 dB; dynamic range 95 dB; ch sep 80 dB at 1,000 Hz. Charcoal-gray finish. 17<sup>1</sup>/<sub>4</sub> x 3<sup>3</sup>/<sub>8</sub> x 10<sup>3</sup>/<sub>4</sub> in; 7 lb ..... \$100

### Portable CD Systems

#### MCD-Z85 Portable CD System

CD player with 3-beam laser pickup and 20-track programming; AM/FM tuner with 10 AM/10 FM presets; double autoreverse cassette deck with 5-mode tape edit, high-speed CD-to-tape/tape-to-tape dubbing, autoreverse rec on one deck, program search, and auto tape-bias selector; 20-W x 2 max power output; 3-stage EQ; Dolby NR; CD output; 2 mic mixing jacks; headphone jack; 4-in speakers; LED display; remote control. FR 20-20,000 Hz; S/N 56 dB (tape with Dolby); dynamic range 90 dB; ch sep 70 dB at 1,000 Hz. 22<sup>1</sup>/<sub>4</sub> x 6 x 9<sup>1</sup>/<sub>4</sub> in; 13 lb ..... \$400

**MCD-Z65.** As above, 1 mic mixing jack. 15 W x 2 max power output. S/N 46 dB tape; dynamic range 80 dB ..... \$350

#### MCD-Z30 Portable CD System

CD player with 20-track programming; AM/FM tuner; double cassette deck with autoreverse play/rec for one deck, high-speed tape-to-tape or CD-to-tape synchro dubbing, and CD-to-tape back-skip edit rec; bass boost; headphone jack; remote control; AC/DC operation; operates on 8 D batteries ..... \$250

#### MCD-S800 Portable CD System

CD player with 3-beam laser pickup and 16-track programming; AM/FM tuner; double cassette deck with CD-to-tape synchro dubbing, high-speed tape-to-tape dubbing, continuous play, one-touch rec; 4-band graphic EQ; detachable 2-way bass-reflex speakers. 2-stage variable bass boost; headphone

jack; LED display; AC/DC operation. FR 20-20,000 Hz; S/N 50 dB tape; dynamic range 73 dB; ch sep 70 dB at 1,000 Hz. 27<sup>1</sup>/<sub>2</sub> x 9<sup>3</sup>/<sub>4</sub> x 8<sup>3</sup>/<sub>4</sub> in; 13 lb ..... \$200

#### MCD-Z22 Portable CD System

CD player with 3-beam laser pickup, 16-track programming, track skip/search, and repeat play; AM/FM tuner; double cassette deck with CD-to-tape synchro dubbing, high-speed tape-to-tape dubbing, and one-touch rec; 2-way speakers; headphone jack; AC/DC operation. FR 20-20,000 Hz; S/N 46 dB tape; dynamic range 73 dB; ch sep 70 dB at 1,000 Hz. 24<sup>1</sup>/<sub>2</sub> x 7 x 8 in; 9 lb ..... \$170

#### MCD-Z2 Portable CD System

CD player with 3-beam laser pickup and track skip/search; AM/FM tuner; cassette deck with CD-to-tape dubbing; 4-in speakers; headphone jack; LED display. FR 20-20,000 Hz; S/N 40 dB tape; dynamic range 70 dB; ch sep 65 dB at 1,000 Hz. 21 x 6<sup>1</sup>/<sub>4</sub> x 7<sup>3</sup>/<sub>4</sub> in; 7 lb ..... \$130

## SHARP

#### MVD-2000 Combi-Player

4x oversampling. Plays CD's and videodiscs. Music calendar; tape edit; repeat play; intro scan; program search; direct track access; remote control ... \$600

#### CD-S77 Portable CD System

4x oversampling. CD player with 20-track programming, track search, auto edit, and random play; AM/FM digital-synthesis tuner with 8 AM/8 FM presets and clock/timer; double autoreverse cassette deck with full-logic controls, auto tape-bias selector, and high-speed dubbing; 2 full-range speakers; mic mixing. 5 W x 2 cont avg into 4 ohms from 100-20,000 Hz with 10% THD. 22<sup>7</sup>/<sub>8</sub> x 7<sup>3</sup>/<sub>4</sub> x 9<sup>3</sup>/<sub>8</sub> in; 15 lb ..... \$450

#### GX-CD65 Portable CD System

CD player with 20-track programming, and random/repeat play; AM/FM digital-synthesis tuner with 10 AM/20 FM presets; cassette deck; bass boost; 3-band graphic EQ; detachable 2-way speakers; motor-driven volume control; line-level output ..... \$380

#### GX-CD63 Portable CD System

CD player with 3-beam laser pickup, 16-bit filter, 20-track programming; track search, and CD-to-tape synchro dubbing; AM/FM synthesis tuner with 20 FM/10 AM presets and auto scan; autoreverse cassette deck. Bass boost; 3-band graphic EQ; 2-way detachable speakers. 5 W x 2 at 1,000 Hz with 10% THD; tape w&F 0.25% ..... \$350

#### GX-CD62 Portable CD System

CD player with 20-track programming, track search, random/repeat play and CD-to-tape synchro dubbing; digital-synthesis AM/FM tuner with 10 AM/20 FM presets; autoreverse cassette deck; 3-band graphic EQ; bass boost; detachable speakers; CD output ..... \$350

#### GX-CD510 Portable CD System

CD player with 20-track programming, program search, random/repeat play, and CD-to-tape synchro dubbing; AM/FM tuner; double cassette deck with high-speed dubbing; 3-band graphic EQ; bass boost; detachable 2-way speakers; CD output ..... \$290

#### GX-CD56 Portable CD System

CD player with 20-track programming, program search, random/repeat play, and CD-to-tape synchro dubbing; AM/FM tuner; cassette deck; 3-band graphic EQ; detachable 2-way speakers; bass boost; CD output ..... \$250

#### WQ-CD220 Portable CD System

CD player with track search, high-speed dubbing, CD synchro dubbing; AM/FM tuner; double cassette deck; full-range speakers; bass boost; auto level control ..... \$220

#### QT-CD5 Portable CD System

CD player with program search, CD-to-tape synchro

dubbing, and random/repeat play; AM/FM tuner; cassette deck; bass boost; 2 full-range speakers; auto level control; remote control. 2.5 W x 2 with 10% THD. 24 x 7 $\frac{3}{8}$  x 7 $\frac{3}{8}$  in; 10 lb ..... \$180

**SHERWOOD**

**CDC-5010R 5-Disc CD Changer**

1-bit D/A converter. Front-loading 5-disc carousel. Features multi-regulated power supply; 3-beam laser pickup; double linear phase filtering; low-mass optical block. Gold-plated headphone jack with volume control; gold-plated outputs. 32-track programming; random, repeat, and timer play; disc intro; intro scan; music calendar; remote control; Sherwood Digi-Link II system remote-control compatible. FR 20-20,000 Hz  $\pm$  0.5 dB; distortion 0.008%; S/N 104 dBA; dynamic range 96 dB; ch sep 100 dB. 17 $\frac{3}{8}$  x 5 x 9 $\frac{5}{8}$  in; 13 lb ..... \$225

**CDC-3010R 5-Disc CD Changer**

8x oversampling, dual 18-bit D/A converters, 5-disc front-loading carousel. Features multi-regulated power supply; 3-beam laser pickup. Gold-plated headphone jack with volume control. 32-track programming; disc intro; random, repeat, and timer play; ability to change discs while one is playing; music calendar; remote control; Sherwood Digi-Link II system remote-control compatible. Frequency response 20-20,000 Hz  $\pm$  0.5 dB; signal-to-noise 103 dB; dynamic range 95 dB; channel separation 100 dB. 17 $\frac{1}{4}$  x 3 $\frac{3}{4}$  x 15 in; 9 lb ..... \$225

**CD-3010R CD Player**

8x oversampling, dual 18-bit D/A converters. Features multi-regulated power supply; 3-beam laser pickup. Gold-plated headphone jack with volume control. 20-track programming; random repeat play; intro scan; auto space; music calendar; remote control; Sherwood Digi-Link II system remote-control compatible. FR 20-20,000 Hz  $\pm$  0.5 dB; S/N 103 dB; dynamic range 95 dB; ch sep 100 dB. 17 $\frac{1}{4}$  x 3 $\frac{3}{8}$  x 9 $\frac{1}{2}$  in; 7 lb ..... \$180

**SIMPLY PHYSICS**

**Digitmaster RR-1 CD Transport**

Features 3-chassis design with constrained-layer damped-alloy construction; internal acoustic and mechanical damping; outboard power supply and filter; disc-clamping mechanism. Digital output ..... \$3,950

**Mediamaster LD52 LD/CD Transport**

Plays CD's and videodiscs. Features isolated chassis; internal acoustic and mechanical damping; 2-side playback. Digital output; RCA coaxial and/or optional XLR outputs; S-video and BNC outputs ..... \$2,500

**Bitmaker RR52 CD Transport**

Features isolated chassis; internal acoustic and mechanical damping; optional disc-clamping mechanism. Digital output; RCA coaxial and/or optional XLR outputs ..... \$1,250

**SINGER**

**CDP-200A Portable CD Player**

8x oversampling, 16-bit digital-to-analog converters. 3-beam laser pick-up. Headphone jack. 16-track programming; track skip/scan; LCD display; bass boost. Includes carrying case, headphones, and AC-power adaptor. 12 lb ..... \$200

**CDP-150A Portable CD Player**

4x oversampling. Headphone jack. 20-track programming; repeat play; track skip/scan; LCD display; bass boost. Includes carrying case, headphones, and AC adaptor ..... \$160

**CDP-100A Portable CD Player**

Features 3-beam laser pickup. Line-level output. Random/repeat play; track skip/scan; LCD display; bass boost. Includes carrying case, headphones, AC adaptor. 12 lb ..... \$99

**Portable CD Systems**

**CDP-A1 Portable CD System**

16-bit D/A converter. Detachable CD player with 3-beam laser pick-up; analog AM/FM tuner; 6 W x 2 amp; echo control; LCD display; line-level output; mic jack with mixer for Karaoke; headphone jack. 17 lb ..... \$300

**CDR-600A Portable CD System**

CD player with random play and track skip/scan; AM/FM tuner; double cassette deck with high-speed dubbing; 4-way speakers; bass boost; 3-digit LCD display; headphone jack. 11 lb ..... \$280

**CDR-650A Portable CD System**

CD player with random play and track skip/scan; AM/FM tuner; double cassette deck with autoreverse and high speed dubbing; 4-way speakers; bass boost; 3-digit LCD display; headphone jack. 22 lb ..... \$230

**CDR-400A Portable CD System**

CD player with track skip/scan; AM/FM tuner; cassette deck; 3-band EQ; 4-way speaker system; headphone jack ..... \$180

**SONOGRAPHE by CONRAD-JOHNSON**

**SD22 CD Player**

1-bit D/A converter. Discrete FET audio circuits and power supplies. Track scan and repeat; track/index cueing; elapsed time display; remote control. 18 x 3 $\frac{3}{4}$  x 12 in; 9 lb ..... \$895

**SONY**

**CD Changers**

*The following feature a 45-bit digital filter, proprietary anti-jitter circuitry, digital servo control, 32-track programming, tape edit, peak-level search, random play, 7 repeat modes, intro scan, a fader, a 20-track music calendar, and a headphone jack with volume control.*

**CDP-C910 10-Disc CD Changer**

1-bit D/A conversion, 10-disc magazine. Features magazine compatibility with Sony car CD changers. Fiber-optic digital output; remote-controllable variable line-level output. Program and level memory for 184 CD's; direct track access; timer play; dot-matrix display; remote control. S/N 110 dB; FR 20-20,000 Hz  $\pm$  0.3 dB; dynamic range 100 dB; ch sep 105 dB. 17 x 4 $\frac{7}{8}$  x 13 in; 15 lb ..... \$450

**CDP-C725 5-Disc CD Changer**

1-bit D/A conversion, 5-disc carousel. Features DSP. Fiber-optic digital output; remote-controllable variable line-level output; headphone jack. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; sound-field, program, and level memory for 184 discs; digital reverb, EQ, and level controls; direct track access; timer play; dot-matrix display; remote control. FR 20-20,000 Hz  $\pm$  0.3 dB; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. 17 x 5 x 15 in; 14 lb ..... \$450

**CDP-C625 5-Disc CD Changer**

1-bit D/A conversion, 5-disc carousel. Features DSP. Fiber-optic digital output; remote-controllable variable line-level output. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; digital reverb and EQ controls; direct track access; FL display; remote control. S/N 110 dB; FR 20-20,000 Hz  $\pm$  0.3 dB; dynamic range 98 dB; ch sep 102 dB. 17 x 5 x 15 in; 14 lb ..... \$380

**CDP-C525 5-Disc CD Changer**

1-bit D/A conversion, 5-disc carousel. Features DSP. Remote-controllable variable line-level output. Hall, church, jazz, stadium, and disco ambience presets; FL display; remote control. S/N 105 dB; FR 20-20,000 Hz  $\pm$  0.5 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 in; 13 lb ..... \$350

**CDP-C425 5-Disc CD Changer**

1-bit D/A conversion, 5-disc carousel. Direct track access on front panel and remote control; FL display;

remote control. FR 20-20,000 Hz  $\pm$  0.5 dB; S/N 100 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 in; 12 lb ..... \$300

**CDP-C325.** As above, direct access on remote control only ..... \$280

**CDP-C225.** As CDP-C325, no remote control. Features remote-control compatibility with most Sony receivers ..... \$225

**CD Players**

*The following feature digital servo control, 24-track programming, tape edit, peak-level search, delete play, random play, 20-track music calendar, a fader, and a headphone jack with volume control. All models, except CDP-K1A, feature a 45-bit digital filter and proprietary anti-jitter circuitry.*

**CDP-997 CD Player**

1-bit D/A conversion. Features DSP. Fiber-optic digital output; remote-controllable variable line-level output. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; digital reverb and EQ control; sound-field, reverb, EQ, and level memory for 184 discs; 8 repeat modes; direct track access; remote-controllable auto space/cue; dot-matrix display with dimmer. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. 17 x 4 $\frac{1}{2}$  x 14 in; 10 lb ..... \$400

**CDP-K1A Karaoke CD Player**

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; vocal-eliminator and digital-echo circuits. 2 stereo mic inputs.  $\pm$  12-dB pitch control in 0.1% increments; 5 repeat modes; FL display; remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 98 dB; dynamic range 92 dB; ch sep 95 dB. 14 x 3 $\frac{3}{4}$  x 12 $\frac{1}{2}$  in; 7 lb ..... \$340

**CDP-497 CD Player**

1-bit D/A conversion. Features tape edit; 6 repeat modes; intro scan; direct track access; auto space/cue; FL display; remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 100 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 4 x 11 $\frac{1}{2}$  in; 8 lb ..... \$240

**CDP-397 CD Player**

1-bit D/A conversion. Features 6 repeat modes; auto space/cue; FL display; remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 97 dB; dynamic range 98 dB; ch sep 93 dB. 17 x 4 x 11 $\frac{1}{2}$  in; 8 lb ..... \$190

**CDP-297.** As above, without auto space/cue or remote control. Features remote-control compatibility with most Sony receivers ..... \$165

**ES Series**

*The following feature a 45-bit digital filter, proprietary anti-jitter circuitry, digital servo control, a fiber-optic digital output, a remote-controllable variable line-level output, and peak-level search. All CD changers, except CDP-C90ES, feature gold-plated line-level outputs, a headphone jack with volume control, 7 repeat modes, direct track access, 32-track programming, and a fader.*

**CDP-X779ES CD Player**

1-bit D/A conversion. Features 16 converter outputs summed in complementary push-pull configuration; digital servo control; noise shaping; separate power transformers for analog and digital sections; Class A FET analog output stage; linear motor with sapphire bearings. Coaxial digital output; gold-plated line-level outputs; balanced analog outputs with XLR connectors; headphone jack with volume control. Program memory for 184 discs; 7 repeat modes; direct track access; 24-track programming; random play; delete play; fader; music calendar; remote control. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 119 dB; dynamic range 100 dB; ch sep 110 dB. 18 $\frac{1}{2}$  x 5 x 14 $\frac{3}{4}$  in; 33 lb ..... \$1,900

**CDP-C89ES 5-Disc CD Changer**

1-bit D/A conversion, 5-disc carousel. Features DSP; noise shaping; balanced die-cast aluminum platter; copper-shielded chassis. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; EQ and reverb controls; sound-field and pro-

# C D C O M P O N E N T S

gram memory for 184 discs; random play with delete; timer play; dot-matrix display; remote control. FR 2-20,000 Hz  $\pm$  0.3 dB; SN 115 dB; dynamic range 100 dB; ch sep 110 dB. 18 1/2 x 5 x 15 in; 21 lb. . . . \$700

**CDP-C79ES.** As above, without balanced die-cast aluminum platter and copper chassis shielding. 20 lb. . . . \$500

**CDP-C69ES.** As CDP-C79ES, without 184-disc memory, timer play, dot-matrix display, or wood side panels. Features FL display; 3-yr limited warranty. 17 x 5 x 15 in; 15 lb. . . . \$400

### CDP-X339ES CD Player

1-bit D/A conversion. Features noise shaping; zinc insulator feet; aluminum front panel; multiregulated power supply. Gold-plated line-level outputs; headphone jack with volume control. Program memory for 184 discs; 7 repeat modes; direct track access; 24-track programming; random play; delete play; fader; music calendar; remote control. FR 2-20,000 Hz  $\pm$  0.3 dB; SN 116 dB; dynamic range 100 dB; ch sep 110 dB. 18 1/2 x 5 x 14 3/4 in; 26 lb. . . . \$700

**CDP-X229ES.** As above, without zinc insulator feet. 17 x 4 3/8 x 13 3/8 in; 14 lb. . . . \$400

### CDP-C90ES 10-Disc CD Changer

1-bit D/A conversion, 10-disc magazine. Features magazine compatibility with Sony car CD changers. Noise shaping; Independent regulated power supplies; monocoque chassis. Program memory for 184 discs; remote control. FR 2-20,000 Hz  $\pm$  0.3 dB; SN 110 dB; dynamic range 100 dB; ch sep 105 dB. 18 1/2 x 5 x 13 in; 16 lb. . . . \$500

### CDP-X111ES CD Player

1-bit D/A conversion. Features noise shaping; multiregulated power supply; monocoque chassis. Headphone jack with volume control. 7 repeat modes; direct track access; 24-track programming; random play; delete play; fader; auto space/cue; music calendar; remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; SN 108 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 4 3/8 x 13 3/8 in; 10 lb. . . . \$300

### Portable CD Systems

*The following feature a mini-jack mixing mic input, a headphone mini jack, and an AC power cord. All models, except CFD-20, are black. All models, except CFD-454 and CFD-50, feature bass-boost circuitry.*

### CFD-703 Portable CD System

1-bit D/A converter. CD player with front-loading tray, tape edit, 17-track programming, intro scan, 4 repeat modes; digital-synthesis tuner with 12 AM/12 FM presets; double cassette deck with autoreverse rec/play in one deck, autoreverse play-only in other, normal/high-speed dubbing, and synchro high-speed CD-to-tape dubbing; two 3 1/2-in speakers. Pop, rock, jazz, blues, and vocal EQ modes; backlit LCD with music calendar and clock/timer; remote control. Operates on 8 D and 4 AA batteries. 7.5 W x 2; FR 20-20,000 Hz  $\pm$  1, -3 dB CD. 20 7/8 x 7 7/8 x 9 1/8 in; 13 lb without batteries. . . . \$450

### CFD-767 Portable CD System

1-bit D/A converter. CD player with front-loading tray, tape edit, 17-track programming, 4 repeat modes, intro scan; digital-synthesis tuner with 12 AM/12 FM presets; double cassette deck with autoreverse rec/play in one deck, play-only in other, and normal/high-speed dubbing; two detachable 2-way speakers. Pop, rock, jazz, blues, and vocal EQ modes; synchro CD-to-tape dubbing; backlit LCD with clock/timer; remote control. Operates on 10 D and 4 AA batteries. 10 W x 2; FR 20-20,000 Hz  $\pm$  1 dB CD. 25 x 8 1/4 x 9 1/2 in; 21 without batteries. . . . \$400

**CFD-757.** As above, without autoreverse. 20 lb without batteries. . . . \$400

### CFD-475 Portable CD System

8x oversampling. CD player with 20-track programming, tape edit, intro scan, 4 repeat modes; digital-synthesis tuner with 20 AM/FM presets; double cassette deck with autoreverse rec/play in one deck,

play-only in other, and synchro normal/high-speed dubbing; 3-band EQ; detachable 2-way speakers. Concert-hall ambience mode; backlit LCD with music calendar and clock/timer; 2 speaker outputs; remote control. Operates on 10 D batteries and 3 AA batteries. 6 W x 2 amp; FR 20-20,000 Hz  $\pm$  1 dB CD. 27 1/2 x 10 x 9 5/8 in; 19 lb without batteries. . . . \$380

### CFD-470 Portable CD System

2x oversampling. CD player with 20-track programming, tape edit, intro scan, 4 repeat modes; digital-synthesis tuner with 20 AM/FM presets; double cassette deck with rec/play in one deck, play-only in other, and normal/high-speed dubbing; 3-band graphic EQ; detachable 2-way bass-reflex speakers. LCD with music calendar and clock/timer; 2 speaker outputs. Operate on 8 D batteries and 4 AA batteries. 6 W x 2 amp; FR 20-20,000 Hz  $\pm$  1 dB CD. 27 1/2 x 9 7/8 x 9 1/2 in; 19 lb. . . . \$350

### CFD-260 Portable CD System

1-bit D/A converter. CD player with front-loading tray, tape edit, 17-track programming, intro scan, and 4 repeat modes; digital-synthesis tuner with 12 AM/12 FM presets; double cassette deck with autoreverse rec/play in one deck, play-only in other, normal/high-speed dubbing, and synchro CD-to-tape dubbing; two 3 1/2-in speakers. Pop, rock, jazz, blues, and vocal EQ modes; LCD with music calendar and clock/timer; remote control. Operates on 8 D batteries and 4 AA batteries. 4.5 W x 2 amp; FR 20-20,000 Hz  $\pm$  1 dB CD. 9 3/8 x 7 1/4 x 22 1/2 in; 13 lb without batteries. \$330

**CFD-250.** As above, without autoreverse. . . . \$315

### CFD-120 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, random play, 4 repeat modes; digital-synthesis AM/FM tuner with 20 AM/FM presets; double cassette deck with rec/play in one deck, play-only in other, synchro normal/high-speed dubbing, and synchro CD-to-tape dubbing; tone control; 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  1, -3 dB CD. 25 1/4 x 8 1/8 x 8 1/8 in; 12 lb with batteries. . . . \$270

### CFD-460 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, random play, intro scan, and 4 repeat modes; AM/FM tuner; double cassette deck with synchro normal/high-speed dubbing and synchro CD-to-tape dubbing; 4-band graphic EQ; detachable 2-way speakers. Operates on 8 D batteries. 4.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  1, -2 dB CD. 26 3/4 x 11 1/2 x 7 3/4 in; 17 lb. . . . \$270

### CFD-454 Portable CD System

2x oversampling. CD player with random play and repeat; AM/FM tuner; cassette deck with synchro CD-to-tape dubbing; 5-band graphic EQ; detachable 2-way speakers. Operates on 8 D batteries. 4.5 W x 2 amp; FR 20-20,000 Hz  $\pm$  1 dB CD. 26 3/8 x 11 3/8 x 7 3/8 in; 17 lb. . . . \$250

### CFD-440 Portable CD System

8x oversampling, dual D/A converters. CD player with 34-track programming, intro scan, random/repeat play; AM/FM tuner; cassette deck with synchro CD-to-tape dubbing; 3-band EQ; detachable 2-way bass-reflex speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  1, -3 dB CD. 23 1/8 x 9 1/8 x 8 1/8 in; 11 lb. . . . \$240

### CFD-100 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, random play, and 4 repeat modes; AM/FM tuner; double cassette deck with rec/play in one deck, play-only in other, synchro normal/high-speed dubbing, and synchro CD-to-tape dubbing; tone control; 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  1, -3 dB CD. 25 1/4 x 8 1/8 x 8 1/8 in; 12 lb with batteries. \$240

### CFD-58 Portable CD System

8x oversampling, dual D/A converters. CD player with 34-track programming, intro scan, random play, and

4 repeat modes; AM/FM tuner; autoreverse cassette deck with synchro CD-to-tape dubbing; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  1, -1.5 dB CD. 23 1/2 x 6 1/8 x 8 1/4 in; 9 lb without batteries. . . . \$220

**CFD-55.** As above, without autoreverse. Features tone control. FR 20-20,000 Hz  $\pm$  1, -3 dB CD. 23 1/4 x 6 1/8 x 8 in; 9 lb without batteries. . . . \$200

### CFD-30 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, random play, and 4 repeat modes; AM/FM tuner; autoreverse cassette deck with synchro CD-to-tape dubbing; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  2 dB CD. 16 1/8 x 6 3/4 x 9 1/4 in; 8 lb without batteries. . . . \$200

### CFD-50 Portable CD System

2x oversampling. CD player with 16-track programming, intro scan, random play, and 4 repeat modes; AM/FM tuner; cassette deck; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  1 dB CD. 23 1/4 x 6 7/8 x 7 7/8 in; 10 lb with batteries. . . . \$190

### CFD-20 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, and 4 repeat modes; AM/FM tuner; cassette deck with synchro CD-to-tape dubbing; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz  $\pm$  2 dB CD. 16 1/8 x 6 3/4 x 9 1/4 in; 8 lb without batteries. . . . \$180

### Portable CD Players

*The following feature a line-level output and a headphone mini jack. All include an AC adaptor and a connecting cord. All models, except D-515, feature a FR of 20-20,000 Hz  $\pm$  1, -3 dB. All weights are without batteries.*

### D-515 Portable CD Player

1-bit D/A converter. Features selectable 3-second music buffer; DSP for 3 selectable bass-boost and dynamic-range levels. 22-track programming; random/repeat play; last-position memory; intro scan; backlit LCD. Operates on 2 AA batteries for 2 hrs or on rechargeable battery for 1.5 hrs on 3-hr charge. Includes headphones with wired LCD remote control, rechargeable battery, car mounting plate, and carrying case. FR 20-20,000 Hz  $\pm$  0.5, -1 dB. 4 1/2 x 1 x 5 1/8 in; 14 oz. . . . \$500

### D-311 Portable CD Player

1-bit D/A converter. DSP for 3 selectable bass-boost and dynamic-range levels. 22-track programming; random/repeat play; last-position memory; intro scan; LCD. Operates on 4 AA batteries or rechargeable battery for 5.5 hrs. Includes headphones with wired LCD remote control and rechargeable battery. 5 x 1 1/4 x 5 3/8 in; 16 oz. . . . \$370

### D-T66 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features digital-synthesis AM/FM tuner; dual-damper anti-shock suspension. 3 selectable bass-boost levels; 20 AM/FM presets; direct station/track access; 22-track programming; last-position memory; random play; 5 repeat modes; backlit LCD. Operates on 2 AA batteries for 4 hrs or rechargeable battery for 2 hrs on 2-hr charge. Includes headphones, rechargeable battery, and hand strap. 5 x 1 3/8 x 5 3/4 in; 14 oz. . . . \$350

### D-808K Portable CD Player

1-bit D/A converter. DSP for 3 selectable bass-boost and dynamic-range levels. 22-track programming; random play; 3 repeat modes; last-position memory; selectable amber/green control and LCD illumination. Operates on 2 AA batteries for 3.5 hrs. Includes car-battery cord, car-mounting plate, and cassette adaptor. 4 3/4 x 1 1/8 x 5 1/2 in; 13 oz. . . . \$330

### D-T115 Portable CD Player

1-bit D/A converter. Digital-synthesis AM/FM tuner. 10 AM/10 FM presets; 22-track programming; random/



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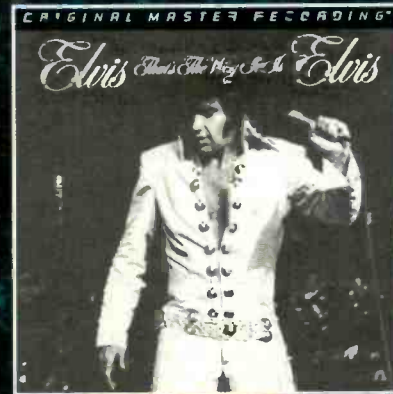
UDCD 526



UDCD 533



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# C D C O M P O N E N T S



Teac PD-555

repeat play; intro scan; last-position memory; 3 selectable bass-boost levels; liquid-crystal display. Operates on 2 AA batteries for 3.5 hours or on rechargeable battery for 2 hours on 3-hour charge. Includes headphones and rechargeable battery. 5 x 1 1/4 x 5 3/8 in.; 16 oz ..... \$300

### D-802K Portable CD Player

8x oversampling, dual 16-bit D/A converters. Dual-damper anti-shock mechanism. 3 selectable bass-boost levels; audible high-speed search; random play; 3 repeat modes; last-position memory; auto-dimming illuminated disc window; LCD. Operates on 4 AA batteries for 8 hrs. Includes car-battery cord and cassette adaptor. 5 1/2 x 1 3/4 x 6 3/8 in.; 17 oz. .... \$270

### D-180K. As above, 2x oversampling. Without bass boost or auto dimming ..... \$270

### D-T24 Portable CD Player

2x oversampling, dual 16-bit D/A converters. 16-track programming; bass boost; auto shutoff; last-position memory. Operates on 4 AA batteries for 8 hrs. Includes folding headphones and carrying strap. 5 1/2 x 1 3/4 x 6 in.; 18 oz ..... \$250

### D-211 Portable CD Player

Dual 1-bit D/A converters. DSP for 3-level digital bass boost and dynamic-range expansion. 22-track programming; random/repeat play; last-position memory; intro scan; backlit LCD. Operates on 2 AA batteries for 3.5 hrs or rechargeable battery for 2 hrs. Includes headphones with wired remote control and rechargeable battery. 5 x 1 1/4 x 5 3/8 in.; 16 oz ..... \$250

### D-113CR Portable CD Player

1-bit D/A converter. 22-track programming; 3 selectable bass-boost levels; random/repeat play; last-position memory; intro scan; LCD; wireless remote control. Operates on 2 AA batteries for 3.5 hrs or on rechargeable battery for 2 hrs on 3-hr charge. Includes headphones and rechargeable battery. 5 x 1 1/4 x 5 3/8 in.; 16 oz ..... \$230

### D-111. As above, without remote ..... \$230

### D-11 Portable CD Player

2x oversampling, dual 16-bit D/A converters. Bass boost; last-position memory; random play; 3 repeat modes; LCD. Operates on 4 AA batteries for 8 hrs. Includes headphones and carrying belt. 5 1/2 x 1 1/2 x 5 3/8 in.; 16 oz ..... \$200

### D-34 Portable CD Player

Dual 1-bit D/A converters. 20-track programming; random play; 3 repeat modes; bass boost; LCD. Operates on 4 AA batteries for 8 hrs. Includes headphones. 5 x 1 1/4 x 5 3/8 in.; 16 oz ..... \$155

D-36. As above, features headphones with larger drivers ..... \$160

## SOTA

### Vanguard CD Player

Dual 1-bit D/A converters. Features dual-mono circuit design; C-MOS technology; separate power supplies for digital and analog sections; toroidal power transformer; DC-coupled output stage. Fiber-optic and coaxial outputs; headphone jack with volume control. Random/repeat play; track skip/scan; remote control. FR 20-20,000 Hz  $\pm$  0.2 dB; THD 0.002%; S/N 100 dB; dynamic range 92 dB; ch sep 110 dB at 1,000 Hz. 19 x 3 3/4 x 12 in.; 22 lb ..... \$2,495

## SOUNDSTREAM

### DAC-1 D/A Converter

Features 2-step hybrid design; discrete Class-A analog section; auto de-emphasis and mute circuits; outboard high-current regulated power supply; 3 separate isolated and regulated secondary supplies for digital, analog, and control sections; auto sampling-rate selection. 1 fiber-optic and 2 coaxial digital inputs ..... \$695

## STAX KOGYO

### DAC-X11 D/A Converter

8x oversampling, dual 20-bit hybrid-IC D/A converters. Features vacuum-tube output stage; balanced output without phase-inverting amp stage; 3 power supplies, transformers, and power cords. 3 coaxial inputs; 3 fiber-optic inputs; balanced outputs. Digital phase-reversal switch. FR 4-20,000 Hz  $\pm$  0.5 dB; S/N 118 dB; dynamic range 104 dB; ch sep 140 dB. 19 1/4 x 6 x 17 in.; 42 lb ..... \$12,000

### DAC-Talent D/A Converter

8x oversampling, dual 20-bit D/A converters. Features double-PLL circuitry; optical isolation between digital and analog sections; single-pole low-pass filter with 6-dB/oct slope. Analog and fiber-optic inputs. Digital phase-reversal switch; de-emphasis indicator; muting switch. THD plus noise 0.0015% at 1,000 Hz. 0 dB; S/N 118 dB; dynamic range 104 dB; ch sep 120 dB. 5 1/4 x 1 1/2 x 14 in.; 3 lb ..... \$2,700

## TEAC

### PD-D650 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features 3-beam laser pickup; 18-bit digital filter; center-mounted tray. 32-track programming; random play; FL display; CD's changeable during playback; remote control. FR 5-20,000 Hz  $\pm$  1 dB; S/N 100 dB; THD 0.03% at 1,000 Hz; ch sep 85 dB. 17 1/8 x 4 x 13 1/4 in.; 12 lb ..... \$300

### PD-D700 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features 3-beam laser pickup; center-mounted tray. 32-track programming; remote control; CD's changeable during playback. FR 20-20,000 Hz  $\pm$  2 dB; S/N 100 dB; THD 0.05% at 1,000 Hz ..... \$300

### PD-P8 Portable CD Player

8x oversampling, 16-bit D/A converters. Features 3-beam laser pickup; memory skip recovery; disc protection mechanism. 20-track programming; bass boost; track disc repeat; track skip/scan; intro scan. FR 10-20,000 Hz  $\pm$  1 dB; S/N 96 dB; THD 0.07% at 1,000 Hz; ch sep 60 dB at 1,000 Hz. 7 1/2 x 1 3/8 x 6 3/8 in.; 13 oz ..... \$199

### PD-555 CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup; 18-bit digital filter; center-mounted tray. 32-track programming; 2 repeat modes; 4-digit LED; remote control. FR 5-20,000 Hz  $\pm$  1 dB; S/N 100 dB at 1,000 Hz; THD 0.005% at 1,000 Hz; ch sep 85 dB. 17 1/4 x 3 3/8 x 1 11/16 in.; 8 lb. .... \$190

### PD-495 CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup; 18-bit digital filter. 20-track

programming; 2 repeat modes; 4-digit LED; remote control. FR 5-20,000 Hz  $\pm$  1 dB; S/N 100 dB at 1,000 Hz; THD 0.005% at 1,000 Hz; ch sep 85 dB ..... \$189

## TECHNICS

### SL-P1300 CD Player

8x oversampling, 4 1-bit MASH D/A converters. Separate digital and analog power supplies; high-speed linear-motor access system. Fiber-optical and coaxial digital outputs; balanced outputs; headphone jack with volume control.  $\pm$  8% pitch control; rocker switch for mixing; auto cue; cueing by CD time code; cue search; 2-speed audible search; 3 repeat modes; remote control. 16 7/8 x 6 3/4 x 14 7/8 in. .... \$1,900

### SL-P1200 CD Player

2x oversampling, dual D/A converters. 9th-order low-pass analog filter. Headphone jack with volume control; rear-panel remote jack for mixer. High-speed rocker control for momentary advance or retard;  $\pm$  8% quartz-locked pitch control; 2-speed cueing; auto cue; track skip/scan; fast scan; 3 repeat modes; 20-track programming; track, time, and program displays; remote control. 17 x 7 x 15 in.; 22 lb. .... \$1,600

### SL-PS900 CD Player

8 1-bit MASH D/A converters. Features digital servo system; Class AA analog audio stages; independent power-supply transformers for analog and digital sections. Fiber-optic outputs; remote-controllable variable line-level output. Function-management system for assigning functions to special keys; peak-level search; time fade; auto space; random play; auto cue; tape edit; remote control. FR 2-20,000 Hz  $\pm$  0.3 dB; THD 0.0022% at 1,000 Hz; S/N 118 dB; dynamic range 98 dB. 17 x 5 1/8 x 13 1/8 in.; 14 lb. \$500

SL-PS700. As above, without Class AA analog stages, independent transformers, and remote-controllable variable line-level output. 4 MASH 1-bit D/A converters. THD 0.0028%; S/N 114 dB. 12 lb. .... \$340

SL-PG300. As above, without fiber-optic outputs, function-management system, and auto space. FR 2-20,000 Hz  $\pm$  1 dB; THD 0.007% at 1,000 Hz; S/N 100 dB; dynamic range 92 dB. 17 x 4 x 11 1/4 in.; 8 lb. \$190

SL-PG100. As above, without remote control. .... \$170

## Portable CD Players

### SL-XPS900 Portable CD Player

Four 1-bit MASH D/A converters. Features high-cut filter; extra bass system. Fiber-optic outputs. 24-track programming; resume/random/repeat play; auto power-off; live-sound switch; remote control. Includes earphones, rechargeable batteries, AC adaptor/recharger, battery case, RCA jack adaptor, and carrying case. FR 20-20,000 Hz; S/N 100 dB; dynamic range 96 dB. 5 x 3/4 x 5 7/8 in.; 13 oz with batteries \$399

### SL-XP300 Portable CD Player

8x oversampling, dual D/A converters. High-cut filter; bass boost. 24-track programming; resume/random play; auto power-off; remote control. Includes earphones, Ni-Cd rechargeable batteries, AC adaptor/recharger, RCA jack adaptor, and carrying case. FR 20-20,000 Hz; S/N 96 dB; dynamic range 94 dB. 5 x 1 1/8 x 5 3/4 in.; 13 oz with batteries ..... \$250

## CD Changers

### SL-PD927 5-Disc CD Changer

Four 1-bit MASH D/A converter, 5-disc front-loading carousel. Features digital servo system; linear motor transport; bidirectional platter; anti-resonance construction. Ability to change 4 discs while playing; 32-track programming; 2-mode random play; 4-mode repeat play; direct disc access; delete programming; tape edit. FR 2-20,000 Hz  $\pm$  1 dB; THD 0.007% at 1,000 Hz; S/N 102 dB; dynamic range 92 dB. 17 x 5 1/2 x 15 7/8 in.; 12 lb ..... \$329

SL-PD827. As above, without antiresonance construction. 17 x 5 1/8 x 15 7/8 in. .... \$249

SL-PD627. As above, without remote control, delete programming, or tape edit. THD 0.009%; S/N 100 dB ..... \$219

**THETA DIGITAL**

**DS Pro Generation III D/A Converter**

8x oversampling, dual 20-bit D/A converters. Micro-processor ROM-based design with software-driven parameters. Features balanced design; 3 internal shielded steel/copper/zinc trilaminate chassis; Teflon circuit board. 4 RCA coaxial inputs; optional AT&T or TosLink input; digital, RCA, and balanced Cannon outputs. Source/monitor and phase switches. S/N 120 dB; THD 0.002%; output imp 2 ohms. 19 x 3 1/2 x 15 3/8 in; 36 lb. .... \$5,000

Unbalanced design version ..... \$4,000

**DS Pre Generation III D/A Converter.** As above, without balanced design. Features volume, balance and input switching controls ..... \$4,000

**Data Universal Transport II**

Plays CD's and videodiscs. AT&T fiber-optic outputs; coaxial output; S-video, composite video, and RF video inputs. Includes remote control ..... \$2,900

Without AT&T fiber-optic output ..... \$2,500

**DS Pro Basic II D/A Converter**

8x oversampling, dual 18-bit converters. Outboard software-variable converter with proprietary algorithms and circuitry. Balanced design. 3 RCA coaxial inputs; optional AT&T or TosLink input; digital, RCA, and balanced Cannon outputs. Source/monitor and phase switches. S/N 108 dB; THD 0.002%. 10 x 2 1/4 x 12 7/8 in; 16 lb. .... \$2,395

Unbalanced design version ..... \$1,995

**DS Pre Basic II D/A Converter.** As above, without balanced design. Features volume, balance, and input switching controls ..... \$1,995

**DS Pro Prime D/A Converter**

1-bit D/A converter. Outboard software-variable converter with proprietary algorithms and circuitry. RCA coaxial input; TosLink input; RCA digital and analog outputs. S/N 108 dB; THD 0.002%. 19 x 2 1/4 x 10 1/4 in; 12 lb. .... \$1,250

**THRESHOLD**

**DAC 1/e D/A Converter**

1-bit D/A conversion. Features dual parallel-balanced differential configuration; discrete FET/bipolar buffer circuitry; passive filtration to maintain phase linearity to 80,000 Hz; master clocking lithium tantalate crystal synchronizing PLL reference oscillator; external power supply with 12 separate regulated circuits; plug-in upgradable processing/software module. 1 fiber-optic and 2 coaxial inputs; balanced or unbalanced fiber-optic output; phase-inverted analog output. Input source selector; standby mode. Frequency response 0-20,000 Hz ± 0.15 dB at 44.1-kHz sampling; jitter 40 picoseconds; total harmonic distortion 0.002% from 20-20,000 Hz. Dimensions: 19 x 2 x 11 1/2 in; 18 lb. .... \$2,990

**VAC**

**VAC DAC Tube D/A Converter**

1-bit D/A converter. Features Class A tube analog stage; separate power supply. Two coaxial and one AT&T glass fiber-optic input; 2 RCA and XLR single-ended outputs. 32 kHz, 44.1 kHz, and 48 kHz sampling rates. Status indicator. 50 lb. .... \$4,990

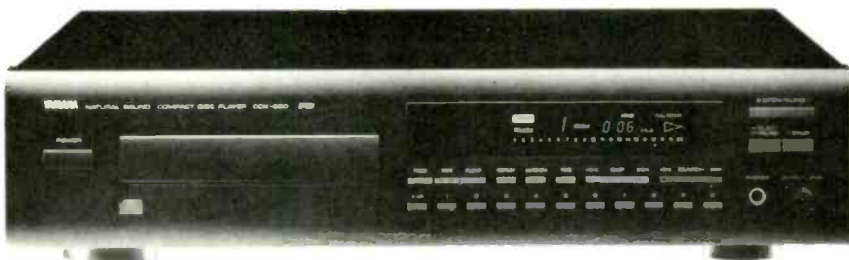
**WADIA DIGITAL**

**Digimaster 2000 D/A Converter**

64x oversampling, 18-bit D/A converter. Features shielded and buffered power supply; programmable computer chips. Glass-fiber-optic, two coaxial, and plastic-fiber-optic inputs. Includes outboard DigiLink 40 4-channel glass-fiber-optic connection box. 39 lb. .... \$7,500

**Digimaster X-64.4 D/A Converter**

64x oversampling, 18-bit D/A converter. Features shielded and buffered power supply; programmable computer chips. Glass-fiber-optic, two coaxial, and plastic-fiber-optic input. 27 lb. .... \$5,000



Yamaha CDX-660

**Wadia 6 CD Player**

32x oversampling, 20-bit D/A converter. Features 3-beam laser pickup; linear motor drive; toroidal transformer. Single ended and balanced outputs; Glass optical, BNC coaxial, and XLR AES/EBU outputs. Programmable track play; repeat/index play; track skip/scan; LED display/indicators on front panel; remote control. FR 0-20,000 Hz; ch sep 100 dB at 1,000 Hz. 13 3/4 x 5 1/2 x 16 in; 35 lb. .... \$3,700

**Wadia 8.** As above, transport only ..... \$2,800

**WOODSIDE/RADFORD**

**WS2 CD Player**

4x oversampling, 16-bit D/A converter. Features die-cast aluminum transport; proprietary vibration isolation. 20-track programming; 4 repeat modes; passive volume control with isolation facility; standby switch; defeatable display; remote control. FR 10-20,000 Hz; S/N 105 dB; dynamic range 104 dB; ch sep 100 dB. 16 3/4 x 3 1/8 x 13 1/4 in; 13 lb. .... \$2,295

**DAC1 D/A Converter**

4x oversampling, 16-bit D/A converter. Isolated regulated power supplies. Standby switch. FR 10-20,000 Hz; S/N 105 dB; dynamic range 104 dB; ch sep 100 dB. .... \$1,875

**YAMAHA**

**CDV-1700 Combi-Player**

8x oversampling, dual 18-bit D/A converters. Plays CD's and videodiscs. RF converter. Fiber-optic output; S-video output; headphone jack with volume control. Freeze-frame and single-frame advance; 10 forward and reverse speeds; index search; chapter, track, and skip search; RS-system-compatible remote control. S/N 110 dB; dynamic range 95 dB. Hor res 440 lines; video S/N 48 dB. 17 1/8 x 5 3/8 x 16 1/4 in. .... \$699

**CDV-1700TI.** As above, with titanium finish ... \$699

**CD Players**

**CDX-2020 CD Player**

8x oversampling, 22-bit MSB-adjusted D/A converters. Features digital de-emphasis circuitry; current isolation system; shunt-regulated power supplies and independent transformers; heavy-duty chassis with pinpoint damping system; high-speed linear motor; floating suspension system. Fiber-optic and coaxial outputs; gold-plated terminals. 24-track programming; 5 repeat modes; random play; direct-track access; 20-bit digital volume control; 3-mode track search; index search; 3-In-CD compatibility; RS-system remote control. 39 lb. .... \$1,499

**CDX-1060 CD Player**

Four 1-bit D/A converters. Features Class A amps; 2nd-order noise shaping; time-base corrector; independent power transformers for analog and digital sections; large damping anti-vibration feet. Fiber-optic and coaxial outputs; fixed and variable analog output; gold-plated jacks; headphone jack with volume control. 10-track program memory for 100 discs; 25-track programming; 5 repeat modes; random play; index search; 3-mode track search and tape edit; RS-system remote control. S/N 120 dB; dynamic range 100 dB. 17 1/8 x 4 7/8 x 13 7/8 in. .... \$799

**CDX-860 CD Player**

Four 1-bit D/A converters. Features 2nd-order noise shaping; time-base corrector; anti-vibration base; large anti-vibration feet; microcomputer-controlled 2-way tracking servo system. Fiber-optic and coaxial outputs; fixed and variable analog outputs; gold-plated terminals. 25-track programming; 4-mode repeat play; random play; index search; 3-mode track search and tape edit; space insert; RS-system remote control. S/N 118 dB; dynamic range 100 dB. 17 1/8 x 4 1/4 x 10 7/8 in. .... \$499

**CDX-660 CD Player**

Four 1-bit D/A converters. Features 2nd-order noise shaping; time-base corrector; anti-vibration base; large anti-vibration feet; microcomputer-controlled 2-way tracking servo system. Coaxial output; fixed and variable analog outputs; gold-plated terminals; headphone jack with volume control. 25-track programming; 3-mode track search and tape edit; 4-mode repeat play; random play; index search; RS-system remote control. S/N 116 dB; dynamic range 100 dB. 17 1/8 x 4 1/4 x 10 7/8 in. .... \$399

**CDX-560 CD Player**

8x oversampling, two 1-bit D/A converters for 8 least-significant bits and two 10-bit ladder-type D/A converters for 8 most-significant bits. Features microcomputer-controlled 2-way tracking servo system; anti-vibration base; large anti-vibration feet. Variable analog output; headphone jack with level control. 25-track programming; 4-mode repeat play; random play; 3-mode track search and tape edit; index search; RS-system remote control. S/N 110 dB; dynamic range 98 dB. 17 1/8 x 4 1/4 x 10 7/8 in. .... \$249

**CD Changers**

**CDC-835 5-Disc CD Changer**

Four 1-bit D/A converters, 5-disc carousel. Features ability to change 4 discs while playing; 2nd-order noise shaping; time-base corrector; Class A analog amps; 3-beam laser-pickup floating mechanism; digital 2-way tracking servo system; large anti-vibration feet. Coaxial output; variable analog output; gold-plated terminals; headphone jack with volume control. 5-mode digital EQ; program and EQ file for 100 discs; table-of-contents memory for high-speed access; 40-track programming; random and repeat play; disc skip; track/index search; direct track/disc access; 5-disc tape edit; relay play for 2 CJC-835 changers; RS-system remote control. S/N 115 dB; dynamic range 100 dB. 17 1/8 x 4 1/4 x 15 1/4 in. .... \$549

**CDC-735.** As above, without digital EQ, Class A analog amps, relay play capability, and gold-plated terminals ..... \$429

**CDC-625 5-Disc CD Changer**

Two 1-bit D/A converters for 8 least-significant bits and two 10-bit ladder-type D/A converters for 8 most-significant bits, five-disc carousel. Features ability to change 4 discs while playing; 3-beam laser pickup with floating mechanism; digital 2-way tracking servo system; large anti-vibration feet. 20-track programming; bidirectional platter rotation; direct disc access; 3-mode track and index search; last-position memory; RS-system remote control. Signal-to-noise ratio 108 dB; dynamic range 98 dB. 17 1/8 x 4 1/4 x 14 1/4 inches. .... \$299

**AIWA**

**XK-S9000 3-Head Cassette Deck**

Dolby S, B, C, NR and HX Pro. Features 8x oversampling, dual 18-bit D/A converters; full-logic controls; sendust erase head and amorphous rec/playback heads with 6N stress-free copper coils; 4-motor transport; dual-capstan mechanism; tape-stabilizing mechanism; bias shield head block; twin-transformer power supply; mic amp with gain selector. Digital inputs; mic input. Mic volume control; auto/manual rec-level and bias controls; auto tape-bias selector; auto rewind play; repeat; 3 display modes; linear tape counter with tape-end signal; L/R FL peak-level meters; remote control. FR 20-15,000 Hz  $\pm 3$  dB high bias; S/N (metal) 68 dB Dolby B, 80 dB Dolby C above 5,000 Hz; w&F 0.018% wrms. 18 $\frac{3}{4}$  x 6 $\frac{1}{8}$  x 20 $\frac{5}{16}$  in; 31 lb ..... \$1,150

**AD-F810 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Double-gap sendust erase head and rec/play head with PC.OCC coils; dual-capstan configuration; bias shield head block; IC-logic controls. Direct-in inputs; headphone jack with volume control. Auto tape-bias selector; auto rec-mute; memory rewind and repeat; L/R peak-level meters; rec/play timer standby; manual bias and rec sens. FR 20-13,000 Hz  $\pm 3$  dB high bias; S/N (metal) 65 dB Dolby B, 78 dB Dolby C above 5,000 Hz; w&F 0.035% wrms. 17 x 5 x 11 $\frac{1}{8}$  in; 11 lb ..... \$400

**DAT Decks**

**XD-S260 DAT Deck**

1-bit D/A and A/D converters. Features 3-motor drive mechanism; SCMS copy-protection system. Fiber-optic/coaxial digital inputs; fiber-optic outputs. 30-track programming; remote-control compatibility and synchro record with NSX CD players; remote control. FR 2-22,000 Hz  $\pm 0.5$  dB; S/N 93 dB; THD 0.005%; dynamic range 93 dB ..... \$1,100

**HD-S100 Portable DAT Deck**

1-bit D/A and A/D converter. Digital inputs and outputs. LCD; 3-position mic attenuator; independent L/R rec-level controls; remote control capability. Includes rechargeable battery and AC adaptor. Car adaptor optional. FR 10-22,000 Hz  $\pm 1$  dB; S/N 90 dB; THD 0.009%; dynamic range 90 dB. 3 $\frac{3}{4}$  x 1 $\frac{1}{4}$  x 6 $\frac{1}{4}$  in; 1 lb ..... \$950

**ARCAM**

**Delta 100 3-Head Cassette Deck**

Dolby S, B, and C NR. Features amorphous rec/play heads; cam-driven 3-motor transport; closed-loop dual-capstan drive; toroidal transformer; nonmagnetic alloy chassis; aluminum front panel. Auto tape-bias selector; bias and rec level controls with dual tone calibration oscillator; peak-level meters; optional remote control. FR 20-20,000 Hz  $\pm 3$  dB high bias; S/N (high bias) 66 dB no NR, 88 dB Dolby S; w&F 0.04%. 17 $\frac{1}{4}$  x 5 x 13 $\frac{3}{8}$  in; 18 lb ..... \$2,000

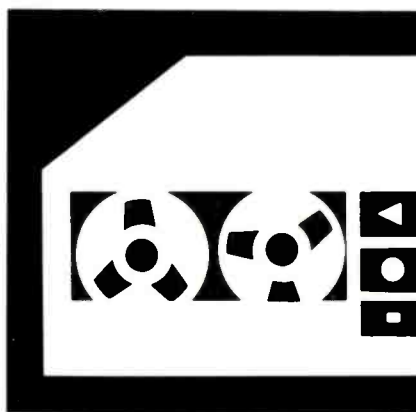
**BANG & OLUFSEN**

**Beocord 7000 Cassette Deck**

Dolby B, C NR and HX Pro. Integrates with Beosystem 7000. Features autoreverse; front-loading drawer; computer-controlled rec-level setting. Direct track access; auto playback NR selection; track programming; program search; auto tape-bias selector; auto space; timer record/playback. w&F 0.09%; FR 30-18,000 Hz  $\pm 3$  dB high bias; S/N (high bias) 65 dB Dolby B, 74 dB Dolby C. Polished-aluminum or white finish. 16 $\frac{1}{2}$  x 3 x 12 $\frac{3}{4}$  in; 19 lb ..... \$1,250

**Beocord 4500 Cassette Deck**

Dolby B NR and HX Pro. Integrates with Beosystem 4500. Features autoreverse. Program search; auto tape-bias selector; auto space; timer record/playback with optional Beolink 5000 remote control. w&F 0.09%; FR 30-18,000 Hz  $\pm 3$  dB high bias; S/N (high bias) 66 dB Dolby B. Polished-aluminum finish with white trim. 16 $\frac{1}{2}$  x 2 $\frac{3}{4}$  x 9 $\frac{5}{8}$  in; 15 lb ..... \$900



**CAMBRIDGE AUDIO**

**CT50 Cassette Deck**

Dolby B, C NR and HX Pro. Laminar-alloy head; 2 motors; full-logic controls; trim control. S/N (high bias) 55 dB no NR, 65 dB Dolby B, 75 dB Dolby C; w&F 0.07%. 17 x 5 x 11 $\frac{1}{8}$ ; 10 lb ..... \$500

**CARVER**

**TD-1770 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features full-logic controls; metal alloy record and playback heads; MPX filter. Headphone jack. Adjustable bias; auto tape-bias selector; record-balance control; blank skip; rec mute; program play and search; memory rewind; repeat; two FL peak-level meters; digital real-time counter; timer; remote control. FR 20-19,000 Hz  $\pm 2$ ,  $-3$  dB; S/N 75 dB Dolby C; w&F 0.05%. 19 x 5 $\frac{1}{4}$  x 12 $\frac{1}{2}$  in; 15 lb ..... \$600

**TDR-2400 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features two autoreverse record/playback transports; full-logic controls; MPX filter. Mic input; headphone jack. Relay play; high-speed dubbing; auto tape-bias selector; program search; memory rewind; repeat; two peak-level meters; rec mute; timer; remote control. FR 30-19,000 Hz  $\pm 3$  dB; S/N 74 dB Dolby C; w&F 0.08%. 19 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 16 lb ..... \$500

**TDR-1550 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse with end-of-tape detector; full-logic controls; oxygen-free record/playback-head core; MPX filter. Headphone jack with volume control. Adjustable bias; auto tape-bias selector; program search; memory rewind; repeat; two FL meters; digital real-time counter; record mute; timer; peak hold display; remote control. FR 20-18,000 Hz  $\pm 3$  dB; S/N 75 dB Dolby C; w&F 0.05%. 19 x 5 $\frac{1}{4}$  x 12 $\frac{1}{2}$  in; 15 lb ..... \$460

**TD-1440 Cassette Deck**

Dolby B, C NR and HX Pro. Features full-logic controls; MPX filter. Headphone jack. Adjustable bias; auto tape-bias selector; high-frequency trim control; two analog level meters; LED peak indicator; record mute; remote control. FR 30-18,000  $\pm 3$  dB; S/N 73 dB Dolby C; w&F 0.05%. 19 x 5 x 12 $\frac{1}{2}$  in; 14 lb ..... \$380  
**TD-1200.** As above, with dual FL meters. No remote control ..... \$400

**DENON**

*The following analog cassette decks feature Dolby B and C NR, Dolby HX Pro, fine bias control, auto space, a headphone jack, and compatibility with Denon's IS-system remote control.*

**DTR-80P Portable DAT Deck**

8x oversampling, dual 18-bit AI hybrid multi/1-bit D/A converters. Features 20-bit digital filter; dual Sigma-Delta type A/D converters; 48, 44.1, and 32 kHz

record/playback sampling rates; ID-code editing; 100x fast-wind and search speeds; 3-10x cue/review speed. Fiber-optic/coaxial digital inputs; coaxial digital output; analog mini-jack line-level inputs/outputs; stereo mini-jack mic input with switchable 20-dB attenuation; headphone mini jack. Backlit LCD display with status, time, and level information; peak-hold meters. 3 $\frac{1}{2}$ -hr record or 4-hr playback time with 4 alkaline batteries. Includes AC adaptor. FR 20-22,000 Hz  $\pm 0.5$  dB; S/N 90 dB; THD 0.008%; dynamic range 90 dB ..... \$900  
**RC-423.** Wired remote control ..... \$40  
**DME-50.** Stereo microphone kit ..... \$100

**DTR-2000 DAT Deck**

8x oversampling, 20-bit Lambda ladder-type D/A converters. Features 20-bit digital filter; Sigma-Delta type A/D converters; amorphous alloy heads; 48, 44.1, and 32 kHz playback sampling rates. Fiber-optic and coaxial digital inputs/outputs. Fade-in and fade-out; ID-code editing with  $\frac{1}{2}$ -speed line-cueing; 250x/400x high-speed search; display of time and level information; peak-hold meters. FR 2-22,000 Hz  $\pm 0.5$  dB; S/N 92 dB; dynamic range 90 dB ..... \$800

**DRS-810 3-Head Cassette Deck**

Features horizontal-loading tape drawer; Super-Permalloy combination head in die-cast aluminum base; dual-capstan 3-motor transport; ceramic-composite cassette stabilizer; dual power supplies. 50-dB-range peak-hold FL meters; auto tape-bias selector; auto tape-monitor function; program search; rec-balance control; rec-return mode; FL linear time counter with remaining-time display. FR 20-20,000 Hz  $\pm 3$  dB metal; S/N 75 dB Dolby C; w&F 0.038%. \$500

**DRM-710 3-Head Cassette Deck**

Features Super-Permalloy combination head in die-cast aluminum base; dual-capstan 3-motor transport; dual power supplies. 50-dB-range peak-hold FL meters; auto tape-bias selector; program search; rec-balance control; rec-return mode; linear real-time counter. FR 20-20,000 Hz  $\pm 3$  dB metal; S/N 76 dB Dolby C; w&F 0.038% ..... \$400

**DRW-850 Double Cassette Deck**

Features autoreverse in both decks. Revolving amorphous-alloy heads; 2-motor transports with nonslip reel drive; dual power supplies. Peak-reading FL meters; high-speed dubbing; auto tape-bias selector; program search; rec-balance control; simultaneous rec; continuous relay rec and play; linear real-time FL counter; remote control. FR 20-19,000 Hz  $\pm 3$  dB metal; S/N 74 dB Dolby C; w&F 0.06% ..... \$500  
**DRW-840.** As above, features synchro rec with compatible CD players. FR 20-18,000 Hz  $\pm 3$  dB metal; w&F 0.06%; S/N 74 dB Dolby C ..... \$400

**DRR-780 Cassette Deck**

Autoreverse; revolving rec/play head; ceramic-composite cassette stabilizer; dual power supplies. Auto tape-bias selector; program search; rec-balance control; rec-return mode; FL linear time counter with remaining-time display; remote. FR 25-18,000 Hz  $\pm 3$  dB metal; S/N 74 dB Dolby C ..... \$400

**DRW-660 Double Cassette Deck**

Features autoreverse; computer-controlled transports; high-speed dubbing; relay play; dual power supplies. Synchro rec with compatible CD players. Auto tape-bias selector; program search; auto space; FL counter; level meters. FR 20-18,000 Hz  $\pm 3$  dB metal; w&F 0.07%; S/N 74 dB Dolby C ..... \$300

**DRR-730 Cassette Deck**

Autoreverse; computer-controlled 2-motor transport with non-slip reel drive; dual power supplies; revolving rec/play head. Synchro rec with compatible CD players; auto tape-bias selector; program search; auto space; FL counter; level meters. FR 20-19,000 Hz  $\pm 3$  dB metal; w&F 0.06%; S/N 74 dB Dolby C ..... \$300

**DRS-610 Cassette Deck**

Features horizontal-loading tape drawer; computer-controlled 2-motor transport; ceramic-composite

# T A P E D E C K S

cassette stabilizer; dual power supplies. 50-dB-range peak-hold FL meters; auto tape-bias selector; program search; rec-balance control; rec-return mode; FL linear time counter with remaining-time display. FR 25-18,000 Hz  $\pm 3$  dB metal. \$300

## DRM-510 Cassette Deck

Features Super-Permalloy head; computer-controlled 2-motor transport; dual power supplies. LED peak meters; auto tape-bias selector; program search; rec-balance control; rec-return mode; linear real-time counter. FR 25-18,000 Hz  $\pm 3$  dB metal; SN 74 dB Dolby C; w&F 0.055%. \$250

## DUAL

### CC-5850RC Cassette Deck

Dolby B, C NR and HX Pro. Features amorphous rec/play head; computer-controlled 2-motor drive. Headphone jack. Bias control; auto tape-bias selector; program search; electronic counter with memory; level display with peak hold; rec mute; balance control; repeat play; remote-control capability with CR-5950RC receiver. SN (metal) 68 dB Dolby B, 76 dB Dolby C; FR 25-18,000 Hz high bias; w&F 0.05% wrms. \$505

### CC-8065RC Cassette Deck

Dolby B, C NR and HX Pro. Features computer-controlled 2-motor drive. Headphone and mic jacks. Bias control; auto tape-bias selector; program search; rec mute; timer; 4-digit counter with memory. SN (metal) 67 dB Dolby B, 74 dB Dolby C; FR 25-17,000 Hz high-bias; w&F 0.06% wrms. \$440

## FISHER

### CR-9070 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features switchable MPX filter; full-logic controls; 2 motors; metal-tape compatibility; blank skip. Headphone jack. Input and rec level controls; linear time/turns counter; remote control. FR 15-20,000 Hz  $\pm 3$  dB high bias; SN 52 dB no NR, 62 dB Dolby B, 72 dB Dolby C; w&F 0.05% wrms. 17 1/4 x 5 1/4 x 10 3/4 in; 12 lb. \$400

### CR-W905B Double Cassette Deck

Dolby B, C NR. Features autoreverse in both decks; switchable MPX filter; full-logic controls; metal-bias compatibility; relay play. High-speed 1-touch dubbing; Intro scan; blank skip; digital tape counter; remote control. FR 40-15,000 Hz  $\pm 3$  dB high bias; SN 62 dB Dolby B; w&F 0.06% wrms. 17 1/4 x 5 1/4 x 10 3/4 in; 12 lb. \$350

### CR-W981 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; one rec/play deck, one play only; switchable MPX filter; full-logic controls; metal-bias compatibility. Headphone jack. Relay play; auto tape-bias selector; timer standby; high-speed synchro dubbing; 5-LED rec meters. FR 35-16,000 Hz (high bias); SN 52 dB no NR, 62 dB Dolby B, 72 dB Dolby C; w&F 0.12% wrms. 17 1/4 x 5 3/8 x 11 in; 10 lb. \$300

### CR-W781 Double Cassette Deck

Dolby B, C NR. Features high-speed synchro dubbing; metal-bias compatibility. Headphone jack. Auto tape-bias selector; timer standby; relay play; 5-LED rec meters. FR 35-15,000 Hz (high bias); SN 52 dB no NR, 62 dB Dolby B, 72 dB Dolby C; w&F 0.12% wrms. 17 1/4 x 5 3/8 x 11 in; 10 lb. \$250

### CR-W681 Double Cassette Deck

Dolby B NR. Metal-bias compatibility. Headphone jack. High-speed synchro dubbing; relay play; auto/manual tape-bias selector; 5-LED rec meters. Frequency response 50-14,000 Hz (high bias); SN 51 dB no noise reduction, 61 dB Dolby B; wow-and-flutter 0.13% wrms. \$150

## HARMAN KARDON

The following have rear-panel jacks for Harman Kardon's system remote.

## TD Series

The following feature discrete record/play circuitry and dual LED peak meters.

### TD4800 3-Head Cassette Deck

Dolby S, B, and C NR, and HX Pro. Features 3 isotropic heads; solenoid transport; closed-loop dual-capstans; bias tone-generator and trim control. Headphone jack. Rec and bias controls; MPX filter switch; auto tape-bias selector; program search; intro scan; rec mute; linear time counter; remote control. SN (high bias) 58 dB no NR, 66 dB Dolby B, 74 dB Dolby C, 75 dB Dolby S; FR 20-22,000 Hz  $\pm 3$  dB high bias; w&F 0.045% wrms. \$1,199

**TD4600.** 2-head version of above with separate motors for capstan and reels. SN (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C, 74 dB Dolby S; FR 20-20,000 Hz  $\pm 3$  dB. \$749

**TD4500.** As TD4600, without Dolby S. \$549

### TD4400 Cassette Deck

Dolby B, C NR and HX Pro. Features 2 isotropic heads; separate motors for capstan and reels. Switchable MPX filter; auto tape-bias selector; program search; intro scan; bias-trim control; linear time counter. SN (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; FR 20-20,000 Hz  $\pm 3$  dB high bias; w&F 0.05% wrms. 17 3/8 x 4 7/8 x 13 1/2 in; 12 lb. \$419

**TD4200.** As above, without Dolby HX Pro, program search, or Intro scan. Features 2 hard Permalloy heads. \$299

## DC Series

### DC5700 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse play/rec in both decks; isotropic heads; separate motors for capstan and reels; discrete play circuitry. Cross Dolby rec; 1-touch high-speed and standard-speed copying; synchro autoreverse copying; linear time counter; program search; Intro scan; 2 bias-trim controls; remote control. SN (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; FR 20-18,000 Hz  $\pm 3$  dB high bias; w&F 0.06% wrms. \$799

**DC5500.** As above, with autoreverse rec on one deck, and single bias-trim control. No cross Dolby rec. \$649

**DC5300.** As DC5500, without Dolby HX Pro, remote, music search, intro scan. Features hard Permalloy heads. \$529

## JVC

### TD-V541TN 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features full-logic controls; closed-loop dual-capstan design with direct-drive motor; PC-occ coil and lead wiring in heads; cassette-shell stabilizer; powered cassette lid; auto rec-level adjustment when connected to compatible CD player. Headphone jack; CD-direct input; gold-plated terminals. Adjustable bias; switchable MPX filter; peak search; FL peak-display/level meters; auto rec mute; rec/play timer start; auto tape-bias selector; auto monitor; balance control; Compu Link system compatibility. FR 15-17,000 Hz  $\pm 3$  dB high bias; w&F 0.023%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 13 1/8 in; 12 lb. \$380

### TD-R441TN Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; full-logic controls; cassette-shell stabilizer; powered cassette lid; auto rec-level adjustment when connected to compatible CD player. Headphone jack; CD-direct input. Adjustable bias; FL peak-display/level meters; auto rec mute; rec/play timer start; auto tape-bias selector; balance control; Compu Link system compatibility. FR 30-15,000 Hz  $\pm 3$  dB high bias; w&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 13 1/8 in; 10 lb. \$260

## Double Cassette Decks

### TD-W805TN Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks; computer-controlled full-logic

controls; cassette-shell stabilizers; powered cassette lids; auto rec-level adjustment when connected to compatible CD player. Headphone jack. High-speed dubbing; adjustable bias for one deck; FL peak-display/level meters; auto/synchro rec mute; rec/play timer start; auto tape-bias selector; balance control; Compu Link system compatibility. FR 30-15,000 Hz  $\pm 3$  dB high bias; w&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 12 lb. \$380

### TD-W707TN Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks; computer-controlled full-logic controls; cassette-shell stabilizers; auto rec-level adjust when connected to compatible CD player. Mic input for mic mixing; headphone jack. High-speed dubbing; switchable FL peak-display/level meters; auto/synchro rec mute; auto tape-bias selector; balance and pitch controls; Compu Link system compatibility. FR 30-15,000 Hz  $\pm 3$  dB high bias; w&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 11 lb. \$330

### TD-W307TN Double Cassette Deck

Dolby B, C NR and HX Pro. Features one autoreverse rec/play deck, one play-only; full-logic controls; auto rec-level adjust when connected to compatible CD player. Mic input for mic mixing; headphone jack. High-speed dubbing; switchable FL peak-display/level meters; auto/synchro rec mute; auto tape-bias selector; pitch control; Compu Link system compatibility. FR 30-15,000 Hz  $\pm 3$  dB high bias; w&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 11 lb. \$260

### TD-W207TN Double Cassette Deck

Dolby B, C NR and 1 deck with HX Pro. Features autoreverse rec/play and play-only decks; computer-controlled full-logic controls; auto rec-level adjust when connected to compatible CD player. Headphone jack. High-speed dubbing; switchable FL peak-display/level meters; auto/synchro rec mute; auto tape-bias selector; Compu Link system compatibility. FR 30-15,000 Hz  $\pm 3$  dB high bias; w&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 11 lb. \$215

## Super Digifine Series

### TD-V1050TN 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features high-density base, precision-finished aluminum die-cast tape-drive base, airtight cassette-lid sealing, and cassette-shell stabilizer; dual-capstan drive with direct-drive motor; PC-occ head coils; regulated, low-imp power supply. Headphone jack with volume control; CD-direct input. Adjustable bias and level calibration; FL display with auto shutoff during rec/playback, peak display, and level meters; time-remaining and elapsed-time displays; auto location of highest-rec-level; gold-plated terminals; balance control; remote control; Compu Link system compatibility. FR 15-19,000 Hz  $\pm 3$  dB high bias; w&F 0.022%. 17 7/8 x 5 3/4 x 13 1/4 in; 17 lb. \$700

## DAT Decks

### XD-Z1010TN DAT Deck

1-bit A/D converter with 4th-order noise shaping; four 18-bit D/A converters with 8x oversampling. Features long standard-play modes; independent power supplies for analog and digital sections; SCMS copy-protection system; K2 interface to reduce ripple and jitter. Analog RCA input; fixed- and variable-level analog RCA outputs; coaxial/fiber-optic digital inputs and outputs; headphone jack. Auto ID edit, source mixing with line or mic input; 48, 44.1, and 32-kHz sampling frequencies; digital level meters; digital fade-in/out; 2 repeat modes; Compu Link system compatibility; remote control. Frequency response 2-22,000 Hz  $\pm 0.5$  dB standard play, 2-14,500 Hz  $\pm 0.5$  dB long play; signal-to-noise 93 dB; total harmonic distortion 0.003% at 1,000 Hz (standard play). 17 1/4 x 5 3/4 x 14 3/8 in; 25 lb. \$1,700

# T A P E D E C K S

## **XD-Z507TN DAT Deck**

1-bit A/D converter with 4th-order noise shaping; PEM 1-bit D/A converter with 4th-order noise shaping. Features long standard-play mode; SCMS copy-protection system. Analog, fiber-optic, and coaxial inputs and outputs; headphone jack. Auto ID edit; 2 repeat modes; remote control. FR 2-22,000 Hz  $\pm$  0.5 dB standard play, 2-14,500 Hz  $\pm$  0.5 dB long play; S/N 91 dB standard play; THD 0.004% at 1,000 Hz standard play. 17 $\frac{1}{4}$  x 5 $\frac{3}{8}$  x 13 $\frac{1}{4}$  in; 16 lb. \$1,000

## **KENWOOD**

The following feature full-logic controls and separate UR record balance/level controls.

### **KX-7030 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features closed-loop dual-capstan drive; individual reel, capstan, and take-up motors; tape-path stabilizer; MPX filter. Auto bias adjustment; 3 bias presets; A/B repeat; CD peak search; timer rec/playback; program search; system remote-control compatibility. FR 20-19,999 Hz  $\pm$  3 dB high bias; S/N (metal) 59 dB no NR, 67 dB Dolby B, 75 dB Dolby C; w&F 0.045% wrms. 17 $\frac{3}{8}$  x 5 x 12 $\frac{3}{4}$  in; 11 lb. \$380

### **KX-5530 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; tape-path stabilizer; MPX filter. Auto bias adjustment; bias preset memory; synchro record with compatible cassette decks; A/B repeat; timer record/playback; program search; FL level meters; system remote-control compatibility. \$300

### **Double Cassette Decks**

The following feature synchro normal/high-speed record with compatible CD players and measure 17 $\frac{3}{8}$  x 5 $\frac{3}{8}$  x 10 $\frac{3}{8}$  in. Common specs: S/N 57 dB no NR, 65 dB Dolby B, and 72 dB Dolby C.

### **KX-W8040 Double Cassette Deck**

Dolby B, C NR and HX Pro in both decks. Features two autoreverse rec/play decks; switchable MPX filter. Headphone jack. Simultaneous/sequential rec; relay play; auto bias adjustment for both decks; index scan for one deck; program search; blank skip; repeat; high-speed dubbing; auto tape-bias selector; FL rec-level meters; system remote-control compatibility. FR 20-19,000 Hz  $\pm$  3 dB high bias; w&F 0.06% wrms. 11 lb. \$380

**KX-W6040.** As above with Dolby HX Pro in one deck, single tape counter, auto MPX-filter switching. No auto bias adjustment, simultaneous rec, or blank skip. FR 20-18,000 Hz  $\pm$  3 dB high bias; w&F 0.08% wrms. 10 lb. \$300

### **KX-W5040 Double Cassette Deck**

Dolby B and C NR in both decks. Features two autoreverse rec play decks; auto MPX filter switching. Headphone jack. Relay play; LED rec-level meters; program search; repeat; index scan for one deck; high-speed tape dubbing; auto tape-bias selector; system remote-control compatibility. FR 20-18,000 Hz  $\pm$  3 dB high bias; w&F 0.08% wrms. 10 lb. \$280

### **KX-W4040 Double Cassette Deck**

Dolby B and C NR in one deck. Features autoreverse in both decks; one rec/play deck, one play-only; switchable MPX filter. Headphone jack. Relay play; index scan for one deck; high-speed tape dubbing; auto tape-bias selector; system remote-control compatibility. FR 20-18,000 Hz  $\pm$  3 dB high bias; w&F 0.08% wrms. 10 lb. \$230

## **LUXMAN**

The following cassette decks carry a 5-year parts-and-labor warranty.

### **K-331W Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse rec/play and play-only decks; 1 servo motor per deck; hexalamin play and rec/play heads; double-gap ferrite erase head; voltage-driven amplification; low-velocity

cam for head engagement; full-logic controls; Duo-Beta feedback circuitry; star topology. 1 input; independent outputs; headphone jack with volume control; DIN connector for remote control compatibility. Adjustable bias; built-in demagnetizer; rec-level and rec-balance controls; timer play; dual-deck simultaneous play; relay play; high-speed dubbing; switchable MPX filter; auto tape-bias selector. FR 40-16,000 Hz  $\pm$  3 dB high bias; w&F 0.08% wrms. 17 $\frac{1}{4}$  x 5 x 13 $\frac{3}{8}$  in; 18 lb. \$600

### **K-351 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; 2 motors; system bus connector; hexalamin rec/play head, double-gap ferrite erase head; voltage-driven amplification; Duo-Beta feedback circuitry. Music and blank search; auto mute; switchable MPX filter; auto tape-bias selector; one-touch rec with compatible CD players. 17 $\frac{1}{4}$  x 5 x 13 $\frac{3}{8}$  in. \$600

### **K-110 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; 1 motor; hexalamin rec/play head; voltage-driven amplification; Duo-Beta feedback circuitry; double gap ferrite erase head; logic controls. 17 $\frac{1}{4}$  x 5 x 10 $\frac{3}{4}$  in. \$480

### **K-321 Cassette Deck**

Dolby B, C NR and HX Pro. Features servo motor; full-logic controls; hexalamin rec/play head; double-gap ferrite erase head; voltage-driven amplification; Duo-Beta feedback circuitry; star topology; low-velocity cam for head engagement. 2 mic inputs; headphone jack with volume control; DIN connector for remote control compatibility. Adjustable bias; built-in demagnetizer; timer play; auto tape-bias selector; rec-level and rec-balance controls; switchable MPX filter. FR 40-16,000 Hz  $\pm$  3 dB high bias; w&F 0.08% wrms. 17 $\frac{1}{4}$  x 5 x 13 $\frac{3}{8}$  in; 15 lb. \$420

## **MARANTZ**

### **DD-92 DCC Deck**

1-bit PDM D/A conversion; dual 64x-oversampling 18-bit A/D converters. Features analog-cassette playback compatibility with Dolby B and C NR; PASC digital coding; thin-film head technology; motor-driven volume control. Variable and fixed line-level outputs; RC-5 interface for remote-control compatibility with other Marantz components. DCC text-information display including track and timing for home recordings; real-time counter with absolute-, track-, and remaining-time displays; 5 switchable rec markers; 3 repeat modes; blank skip; program search; synchro record with compatible CD players; remote control. 32, 44.1, and 48 kHz sampling rates. Gold finish with die-cast alloy side panels. \$1,199  
Black finish. \$1,099

### **SD-72 3-Head Cassette Deck**

Dolby B, C NR and switchable HX Pro. Features dual-capstan closed-loop metal-alloy transport; one linear and two rotary motors; PC-OCC record and playback heads; dual-gap ferrite erase head; cassette stabilizer; switchable MPX filter. CD-direct input. Synchro rec with compatible CD players; manual bias adjustment; rec-calibration control of Dolby levels; rec-out selector; fluorescent peak-level display; peak hold; remote control. Frequency response 15-20,000 Hz  $\pm$  3 dB high bias, no NR; signal-to-noise ratio 62 dBA high bias, no NR; ch sep 57 dB at 1,000 Hz; w&F 0.03% wrms. Gold finish with die-cast alloy side panels. 17 $\frac{3}{8}$  x 5 $\frac{3}{8}$  x 13 $\frac{3}{8}$  in; 23 lb. \$599

### **SD-725 Double Cassette Deck**

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec play in both decks; full-logic controls; end-of-tape detector; switchable MPX filter. Simultaneous and sequential rec; intro scan, program search, and blank skip for both decks; FL peak-level displays with peak hold; remote control. FR 20-18,000 Hz  $\pm$  3 dB high bias; S/N 59 dB high bias, no NR; ch sep 56 dB at 1,000 Hz; w&F 0.06% wrms. Gold finish with die-cast alloy side panels. 17 $\frac{3}{8}$  x 4 $\frac{7}{8}$  x 11 $\frac{1}{4}$  in; 21 lb. \$599

### **SD-525 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse rec/play and play-only decks; full-logic controls; metal-alloy heads; dual-gap ferrite erase head; dc-servo-controlled capstans and reels; end-of-tape detector. Mic input; RC-5 interface for remote-control compatibility with other Marantz components. Synchro rec with compatible CD players; mic mixing capability; repeat for both decks; Intro scan; program search; blank skip; high-speed dubbing; switchable reverse mode; FL peak-level display with peak hold; remote control. S/N 60 dBA high bias, no NR; FR 20-17,000 Hz  $\pm$  3 dB high bias, no NR; w&F 0.06% wrms. 16 $\frac{1}{2}$  x 4 $\frac{7}{8}$  x 11 in; 12 lb. \$399

### **SD-62 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features PC-OCC heads; cassette stabilizer; dual-gap ferrite erase head. Synchro rec with compatible CD players; auto tape/source selector; bias adjustor; FL peak-level display with peak hold. FR 20-19,000 Hz  $\pm$  3 dB high bias, no NR; S/N 61 dBA high bias, no NR; ch sep 56 dB at 1,000 Hz; w&F 0.04% wrms. 16 $\frac{1}{2}$  x 4 $\frac{7}{8}$  x 11 in; 11 lb. \$399

### **SD-52R Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; full-logic controls; dual-gap ferrite erase head; dc servo-controlled tape-drive motor and separate dc motor for fast winds; dynamically balanced flywheel; dual-azimuth head adjustment; switchable MPX filter. RC-5 interface for remote-control compatibility with other Marantz components. Synchro rec with compatible CD players; peak-level display with peak hold. FR 30-18,000 Hz  $\pm$  3 dB high bias, no NR; S/N 59 dBA high bias, no NR; ch sep 56 dB at 1,000 Hz; THD 0.06% wrms. 16 $\frac{1}{2}$  x 4 $\frac{7}{8}$  x 11 in; 11 lb. \$349  
**SD-52.** As above, without autoreverse. Features bias adjustor. FR 30-20,000 Hz  $\pm$  3 dB high bias, no NR. \$299

## **MITSUBISHI**

### **M-T5010 Double Cassette Deck**

Dolby B, C NR and HX Pro. Autoreverse in both decks; twin amorphous heads. High-speed synchro dubbing; auto tape-bias selector; variable intro scan; program search; counter search; rec mute and menu repeat; blank skip; on-screen programming for A/V systems; remote control. \$699

## **NAD**

All models feature a Play Trim control, which is designed to optimize the high frequency characteristics of Dolby-encoded recordings.

### **Model 6100 Monitor Series Cassette Deck**

Dolby B, C NR and HX Pro. Features Dyneq range expansion; full-logic controls. Car-stereo eq; fine bias adjustment; switchable MPX filter; remote control. Rack mountable. FR 30-19,000 Hz  $\pm$  3 dB; S/N 57 dB no NR, 67 dB Dolby B, 77 dB Dolby C; w&F 0.06%. 17 $\frac{1}{8}$  x 4 $\frac{3}{4}$  x 10 $\frac{3}{4}$  in; 10 lb. \$499

**Model 6340.** As above, without remote control. Not rack mountable. 16 $\frac{1}{2}$  x 4 $\frac{7}{8}$  x 10 $\frac{3}{8}$  in. \$399

### **Model 6325 Cassette Deck**

Dolby B and C NR. Features full-logic controls. Car-stereo eq. FR 35-16,000 Hz  $\pm$  3 dB; S/N 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; w&F 0.06%. 16 $\frac{1}{2}$  x 4 $\frac{7}{8}$  x 10 $\frac{3}{8}$  in; 10 lb. \$279

## **NAKAMICHI**

### **Model 1000 DAT Deck**

Features 4-head design for off-tape monitoring; microprocessor-controlled direct-drive reel motors. Indexing; high-speed program search; digital fader; remote control. Sampling frequencies: 48 kHz (rec/play), 44.1 kHz (play), 32 kHz (rec/play); 75-ohm coaxial/fiber-optic digital input/output. Coaxial and fiber-optic cable included. 17 $\frac{1}{8}$  x 5 $\frac{1}{4}$  x 14 $\frac{1}{8}$  in \$5,900  
**Model 1000p.** Digital signal processor designed for above. 8x oversampling, 20-bit calibrated D/A con-

verters; 16-bit auto-calibrated A/D converter with 2x-oversampling digital filter. Digital glitch cancellation circuitry; 2-speed twin-PLL digital audio interface. Muting circuitry; phono loudness control; headphone jack; 32-segment level meter; cables. D/A converter: sampling frequencies 48, 44.1, 32 kHz; FR 5-20,000 Hz  $\pm$  0.5 dB; THD 0.0005% at 1,000 Hz; S/N 106 dB; dynamic range 100 dB; ch sep 106 dB. A/D converter: sampling frequency 48 kHz; FR 5-22,000 Hz  $\pm$  0.5 dB; S/N 95 dB; THD 0.001% at 1,000 Hz; dynamic range 95 dB; ch sep 85 dB. 17 $\frac{1}{8}$  x 5 $\frac{1}{4}$  x 14 $\frac{5}{8}$  in.; 38.5 lb .....\$6,000

**Dragon 3-Head Cassette Deck**

Dolby B, C NR. Features autoreverse; microprocessor control; auto azimuth-correction system; dual-gap ferrite/sandust erase head; asymmetrical transport; direct-drive motors; auto-retracting slot guides; tape-pad lifter; auto tape-slack-reducing mechanism. Headphone jack. Rec-level and bias-calibration controls with 2-tone oscillator; separate tape and EO switches; direct-coupled rec and play amps; 2-speed cueing; 2-speed master fader; auto rec pause; left, right, master input-level controls; output-level control; rec mute; defeatable infrasonic filter; electronic counter with memory stop and repeat. FR 20-22,000 Hz  $\pm$  3 dB; S/N 66 dBA Dolby B, 72 dBA Dolby C; w&F 0.019%. 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 11 $\frac{3}{4}$  in.; 21 lb .....\$2,499  
**RM-20.** Remote control for above .....\$50

**CR 7A 3-Head Cassette Deck**

Dolby B, C NR. Features asymmetrical dual-capstan transport; 3 motors; auto bias EQ; manual azimuth adjust. Headphone jack. Output-level control; memory stop/play; soft-touch controls; rec mute; auto and manual tape-bias/EO selection; auto fade; auto repeat; LED meters; elapsed-time counter; remaining-time counter; remote control. FR 18-21,000 Hz  $\pm$  3 dB high bias; S/N (metal) 66 dB Dolby B, 72 dB Dolby C; w&F 0.027% wrms. 17 $\frac{1}{8}$  x 5 $\frac{1}{2}$  x 12 in.; 20 lb. ....\$1,849

**RX-505 3-Head Cassette Deck**

Dolby B, C NR. Features unidirectional autoreverse to eliminate bidirectional azimuth error; mechanism turns cassette over at end of side during recording or playback; asymmetrical dual-capstan closed-loop transport; auto fade; dc servo motors; soft-touch controls. Auto rec pause; LED peak-level meters; dual-speed master fader; punch-in rec; memory stop/play. FR 20-20,000 Hz  $\pm$  3 dB; S/N (metal) 70 dB Dolby C; w&F 0.04%. 17 $\frac{3}{4}$  x 5 $\frac{3}{4}$  x 11 $\frac{3}{4}$  in.; 22 lb .....\$1,549  
**RX-202.** 2-head version of above. w&F 0.06%. 17 $\frac{3}{4}$  x 5 $\frac{3}{4}$  x 10 in.; 20 lb .....\$879  
**RM-15.** Remote control for above .....\$50

**CassetteDeck1 Cassette Deck**

Dolby B, C NR. Features multiregulated power supply; azimuth fine-tuning control; asymmetrical dual-capstan transport; dc servo capstan motor; defeatable MPX filter; silent mechanism; pressure-pad lifter; auto slack takeup; integrated construction of head and playback amp. Gold-plated input and output jacks. Bidirectional auto search; bias adjuster; auto repeat; timer rec/play; rec mute; output-level control; tape-bias selector with interlocked EO selection; system remote compatibility. FR 20-20,000 Hz  $\pm$  3 dB; S/N (metal) 66 dBA Dolby B, 72 dBA Dolby C; w&F 0.035%; THD 0.9%. 17 x 4 x 12 $\frac{1}{2}$  in.; 13 lb .....\$879

**CassetteDeck1.5 3-Head Cassette Deck**

Dolby B, C NR. Features asymmetrical dual capstan, diffused-resonance transport; Crystalloy play and rec heads; pressure pad lifter. Bias adjuster. FR 20-21,000 Hz  $\pm$  3 dB; S/N (metal) 72 dBA Dolby C; w&F 0.035% .....\$699

**CassetteDeck2 Cassette Deck**

Dolby B, C NR. Features dc servo capstan motor; multiregulated power supply; silent mechanism; defeatable MPX filter; pressure-pad lifter; auto slack take-up. Bidirectional auto-search; bias adjuster; auto repeat; timer rec/play; rec mute; tape-bias selector with interlocked EO selection; system remote compatibility. FR 20-20,000 Hz  $\pm$  3 dB; S/N (metal) 64

dBA Dolby B, 70 dBA Dolby C; w&F 0.06%. 17 x 4 x 12 $\frac{1}{2}$  in.; 12 lb .....\$399

**NIKKO**

**ND 150W Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse in both decks; full-logic controls. Relay play; high-speed dubbing; program search; auto tape-bias selector; rec level control; LED peak level meters. S/N 56 dB no NR; FR 27-17,000 Hz  $\pm$  5 dB high bias; w&F 0.07% wrms. 16 $\frac{7}{8}$  x 5 x 10 in.; 11 lb .....\$229

**ND 60W Double Cassette Deck**

Dolby B NR. Autoreverse in one deck. Mic jack. Relay play; high-speed dubbing; auto tape-bias selector; rec-level control; LED peak-level meters. FR 20-15,000 Hz; S/N 54 dB no NR; w&F 0.12% wrms. 16 $\frac{7}{8}$  x 4 $\frac{7}{8}$  x 10 in.; 9 lb .....\$129

**ND 55W Double Cassette Deck**

Dolby B NR. Mic jack. Relay play; mic mixing; high-speed dubbing; auto tape-bias selector for one deck; rec-level control; LED peak-level meters. S/N 54 dB no NR; FR 40-14,000 Hz  $\pm$  3 dB high bias; w&F 0.12% wrms. 16 $\frac{7}{8}$  x 4 $\frac{7}{8}$  x 10 in.; 9 lb .....\$139

**ONKYO**

*The following feature Onkyo RI-system remote-control compatibility.*

**Integra DT-901 DAT Deck**

1-bit D/A converter. Features SCMS copy-protection system; centered cassette tray; aluminum die-cast chassis; direct drive head cylinder and capstans; amorphous heads; computerized servo processor. 400x fast wind and search; one-touch fade in/out; intro scan; direct track access; program search; remote control. Sampling frequencies 48, 44.1, and 32 kHz; FR 2-22,000 Hz; dynamic range 90 dB; S/N 90 dB; THD 0.0084% .....\$1,100

**Integra TA-2800 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features 3-motor micro-computer-controlled transport; dual-capstan design; isolated transformer; low-imp linear power supply. Variable outputs. Forward/reverse program search; rec calibration; auto tape-bias selector; full block repeat; switchable MPX filter; timer rec/play; FL peak-hold level indicators; remote control. Side panels optional. S/N 58 dB metal, no NR; FR 20-21,000 Hz metal; w&F 0.035% wrms .....\$650

**Integra TA-207 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features 3-motor micro-computer-controlled transport; closed-loop dual-capstan drive; isolated transformer; low-imp linear switching power supply; discrete low-noise, low-imp power-supply regulators. Synchro rec with compatible CD players; repeat; program search; auto tape-bias selector; switchable MPX filter; FL display with peak-level meter; auto spacing; peak hold; remote control. FR 20-20,000 Hz metal; S/N 60 dB metal, no NR; w&F 0.04% wrms .....\$530

**Integra TA-R500 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; 3-motor transport; full-logic controls; 3 independent power supplies; low-imp linear-switching power supply for audio path. Auto tape-bias selector; switchable MPX filter; FL peak-hold level indicators; auto spacing; mute; program search; block repeat; remote control .....\$450

**TA-R401 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; 2-motor transport; full-logic controls. Auto tape-bias selector; synchro rec with compatible CD players; program search; auto spacing; switchable MPX filter, timer, and reverse mode; single block repeat; master and balance input controls; FL display; 4-digit electronic counter; peak-level indicator; remote control. FR 20-19,000 Hz metal; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$  x 4 $\frac{3}{4}$  x 12 $\frac{1}{8}$  in.; 11 lb .....\$380

**TA-203 Cassette Deck**

Dolby B, C NR and HX Pro. Features 2-motor transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; full/block repeat; switchable auto spacing and MPX filter; master and balance input-level controls; FL display with peak-level indicator; peak hold. FR 20-19,000 Hz metal; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$  x 4 $\frac{3}{4}$  x 12 $\frac{1}{8}$  in.; 12 lb .....\$320

**TA-R301 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; 2-motor transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; block repeat; switchable auto spacing, reverse mode, and MPX filter; master and balance input-level controls; peak hold; FL display with peak-level indicator. FR 20-19,000 Hz metal; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$  x 4 $\frac{3}{4}$  x 12 $\frac{1}{8}$  in.; 11 lb .....\$280

**TA-201 Cassette Deck**

Dolby B, C NR and HX Pro. Features 2-motor transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; full/block repeat; switchable auto spacing and MPX filter; input level and balance controls; FL display with peak-level indicator; peak hold; remote control. FR 20-19,000 Hz; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$  x 4 $\frac{3}{4}$  x 12 $\frac{1}{8}$  in.; 11 lb .....\$230

**Double Cassette Decks**

**Integra TA-RW909 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse play/record for both decks; full-logic controls; 3 motors per transport; copper-plated chassis; powered cassette loading. Headphone jack with volume control. Random play; repeat; simultaneous recording; relay play; synchro rec with compatible CD players; blank skip; programmable program search; high-speed dubbing; switchable auto spacing; auto tape-bias selector; input level and balance controls; switchable reverse mode; FL display; LED peak meter; remote control .....\$700

**TA-RW5#5 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse play/rec in both decks; full-logic controls; 2 motors per transport. Headphone jack. Simultaneous rec; synchro rec with compatible CD players; switchable auto spacing and reverse mode; auto tape-bias selector; continuous play; high-speed dubbing; input level and balance controls; program search; repeat .....\$400

**TA-RW404 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse in both decks; 2 motors per transport; full-logic controls. Headphone jack. Continuous play; synchro rec with compatible CD players; switchable auto spacing; input-level control; high-speed dubbing; switchable reverse mode; auto tape-bias selector; LED peak meter .....\$300

**TA-W202 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features 2 motors per transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; relay play; high-speed dubbing; full/block repeat; input-level control; peak hold; switchable auto spacing and MPX filter; LED peak meter. FR 20-17,000 Hz; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$  x 4 $\frac{3}{4}$  x 12 $\frac{1}{8}$  in.; 12 lb .....\$240

**OPTIMUS BY RADIO SHACK**

**DCT-2000 DCC Deck**

54x oversampling, dual A/D and D/A converters. Features analog-cassette playback compatibility with Dolby B and C NR; 90-minute rec time with DCC. Fiber-optic and coaxial digital inputs and outputs; analog inputs. Program search; 12-character text display; total/selection elapsed- and remaining-time displays. DCC: FR 5-20,000 Hz  $\pm$  0.5 dB; THD

# T A P E D E C K S

0.003%; s/n 105 dBa; ch sep 85 dB Analog; FR 20-17,000 Hz  $\pm$  3 dB; s/n 63 dB Dolby B, 71 dB Dolby C. w&F 0.07% wrms ..... \$NA

## SCT-37 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse. Mic input; headphone jack. Relay play; synchro high-speed dubbing; auto tape-bias selector; rec-mute button; rec level meter. w&F 0.06%; s/n 78 dB Dolby C. 4 1/2 x 17 x 10 in ..... \$251

SCT-36. As above, without Dolby HX Pro ..... \$200

## SCT-39 Double Cassette Deck

Dolby B, C NR and HX Pro. Features metal-bias compatibility. Mic input; headphone jack. Relay play; high-speed dubbing; dual rec-level meters. FR 60-13,000 Hz high bias; s/n (high bias) 52 dB no NR, 62 dB Dolby B, 70 dB Dolby C; w&F 0.15% wrms. 17 x 4 1/2 x 8 1/2 in; 9 lb ..... \$170

## SCT-38 Double Cassette Deck

Dolby B NR. Features metal-bias compatibility. Line-level Input and output; mic input; headphone jack. Relay play; high-speed synchro-start dubbing; dual rec-level meters. Frequency response 60-13,000 Hz  $\pm$  3 dB hgh bias; signal-to-noise ratio 54 dB no NR, 62 dB Dolby B, wow-and-flutter 0.12% wrms. 16 1/2 x 4 7/8 x 8 in; 7 lb ..... \$140

## SCT-32 Cassette Deck

Dolby B NR. Autoreverse; metal/high-bias selector. 3 3/8 x 8 1/4 x 5 5/8 in ..... \$100

SCP-31. As above, without Dolby B or autoreverse ..... \$50

## PARASOUND

### D/HX-550 Cassette Deck

Dolby B, C NR and HX Pro. Features play trim; hard-alloy head; polystyrene capacitors. FR 20-19,000 Hz; s/n 67 dB Dolby B, 78 dB Dolby C; input Imp 30 kilohms, output imp 600 ohms. 17 1/4 x 4 3/8 x 10 in; 12 lb ..... \$265

## PHILIPS

*The following feature Philips' Enhanced System Intelligence bus that enables communication among 900 Series components.*

### DCC900 DCC Deck

1-bit Bitstream AD and D/A conversion. Features analog-cassette playback compatibility with Dolby B and C NR; autoreverse; PASC digital coding; motor-driven tray loading. Headphone jack with volume control. 12-character FL text-information display; synchro record with compatible CD players; record balance and level controls; timer record/playback; level meters; remote control ..... \$799

### FC-950 3-Head Cassette Deck

Dolby B, C, NR and HX Pro. Features full-logic controls. Headphone jack with level control. Switchable MPX; adjustable bias control; synchro rec with compatible CD players; electronic counter; FL display ..... \$420

### FC-930 Double Cassette Deck

Dolby B, C NR and HX Pro. Features full-logic controls; autoreverse in both decks. Headphone jack, synchro record with compatible CD players; electronic counter; FL display ..... \$280

FC-910. As above, with autoreverse in one deck; without Dolby C ..... \$230

## PIONEER

*Auto BLE refers to Pioneer's computer-controlled automatic bias, level, and equalization optimization. Super Auto BLE is an upgraded version. All models, including the Elite Series, feature synchro record with compatible CD players, an auto tape-bias selector, auto space recording, program search, timer record/playback, and SR-system remote-control compatibility.*

### CT-S410 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features cassette stabilizer; switchable MPX filter. Headphone jack. Super Auto BLE; switchable rec-eo boosts for bass, treble, or both; repeat; FL level meters with peak hold. w&F 0.05% wrms; FR 20-19,000 Hz high bias; s/n 59 dB no NR. 16 5/8 x 5 x 10 3/4 in; 10 lb ..... \$390

### CT-S601R Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; MPX filter. Headphone jack. Auto BLE; FL level meters with peak hold. w&F 0.055% wrms; FR 25-18,000 Hz high bias; s/n 57 dB no NR. 16 5/8 x 5 x 10 3/4 in; 9 lb ..... \$320

## Double Cassette Decks

### CT-W901R Double Cassette Deck

Dolby B, C NR and HX Pro for both decks. Features autoreverse rec/play in both decks; cassette stabilizer; switchable MPX filter. Headphone jack. Independent NR selection for each deck; Auto BLE for both decks; synchro high-speed dubbing; simultaneous rec; relay rec/play; blank skip; FL level meters with peak hold. w&F 0.055% wrms; FR 20-19,000 Hz high bias; s/n 57 dB no NR. 16 5/8 x 5 3/8 x 12 5/8 in; 13 lb \$520

### CT-W801R Double Cassette Deck

Dolby B, C NR and HX Pro for in decks. Features autoreverse rec/play for both decks; MPX filter. L/R mic inputs; headphone jack. Super Auto BLE for both decks; switchable EQ-rec settings for portables and car stereos; synchro high-speed dubbing; simultaneous rec; relay rec/play; blank skip; FL level meters with peak hold. w&F 0.09% wrms; FR 25-19,000 Hz high bias; s/n 57 dB no NR. 16 5/8 x 5 3/8 x 10 1/2 in; 10 lb ..... \$390

CT-701R. As above, without simultaneous rec or mic inputs. 16 5/8 x 5 1/8 x 10 1/2 in; 10 lb ..... \$365

### CT-W601R Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; one rec/play deck, one play-only; MPX filter. Headphone jack. Auto BLE; switchable EQ-rec settings for portables and car stereos; synchro high-speed dubbing; relay play; blank skip; FL level meters with peak hold. w&F 0.09% wrms; FR 25-16,000 Hz high bias; s/n 57 dB no NR ..... \$330

CT-W501R. As above, without BLE, switchable EQ-rec settings, FL level meters, and peak hold. Features 3-digt mechanical counter; LED level meters. 16 5/8 x 4 3/4 x 10 1/2 in; 9 lb ..... \$265

### CT-W451R Double Cassette Deck

Dolby B, C NR and HX Pro. Features one autoreverse rec/play deck, one play-only; MPX filter. High-speed tape dubbing; relay play; blank skip; repeat for one deck; LED level meters. w&F 0.1% wrms; FR 30-16,000 Hz high bias; s/n 56 dB no NR. 16 5/8 x 4 3/4 x 10 1/2 in; 9 lb ..... \$240

CT-W401R. As above, with autoreverse in both decks. No Dolby HX Pro ..... \$240

### CT-W351R Double Cassette Deck

Dolby B, C NR. Features one autoreverse rec/play deck, one play-only; MPX filter. Relay play; high-speed dubbing; blank skip; repeat play for both decks; LED level meters. w&F 0.1% wrms; FR 30-16,000 Hz high bias; s/n 56 dB no NR. 16 5/8 x 4 3/4 x 10 1/2 in; 9 lb ..... \$215

CT-301. As above, without autoreverse. Features Dolby HX Pro ..... \$215

## Multicassette Decks

### CT-WM70R 7-Cassette Changer

Dolby B, C NR and HX Pro. Features 6-cassette internal magazine plus single-cassette transport; autoreverse; MPX filter. Headphone jack. NR memory for each cassette; ability to dub programmed songs from changer to single-cassette transport; relay rec from changer to single-cassette transport with auto spacing; high-speed synchro dubbing; continuous 6-cassette relay play/rec; intro scan; random play; blank skip; 6-cassette simultaneous rewind; FL level

meter with peak hold; SR-system remote control. w&F 0.09% wrms; FR 20-18,000 Hz high bias; s/n 58 dB no NR. 16 5/8 x 5 3/8 x 14 3/8 in; 16 lb ..... \$510

CT-WM60R. As above, without programmed sequence dubbing. 6-cassette relay rec, headphone jack, or remote control ..... \$450

### CT-M50R 6-Cassette Changer

Dolby B, C NR. Features 6-cassette Internal magazine; autoreverse; MPX filter. Continuous 6-cassette relay rec play; 6-cassette simultaneous rewind; intro scan; random play; blank skip; rec-level balance control; FL level meter with peak hold. w&F 0.055% wrms; FR 20-18,000 Hz high bias; s/n 58 dB no NR. 16 5/8 x 5 3/8 x 14 3/8 in; 16 lb ..... \$380

## Elite Series

### CT-93 3-Head Cassette Deck

Dolby S, B, C NR and HX Pro. Features bias oscillator; closed-loop dual-capstan drive; 3 motors; cassette stabilizer; powered loading and eject; digital tape-tension servo. Headphone jack with volume control. Super Auto BLE; peak-level calibration system; manual bias control; FL level meters with peak hold and meter range. w&F 0.022%; FR 15-21,000 Hz high bias; s/n 61 dB no NR. 18 x 5 3/8 x 14 3/8 in; 24 lb ..... \$1,200

### CT-42 3-Head Cassette Deck

Dolby S, B, C NR and HX Pro. Features dual-capstan design; 3 motors; front-panel-centered cassette well; digital tension control; cassette and panel stabilizers; isolated door; powered load/eject; MPX filter. Headphone jack with volume control. Super Auto BLE; adjustable bias; repeat play; FL level meters with peak hold and selectable meter range; SR-system remote control. w&F 0.023%; FR 15-21,000 Hz high bias; s/n 60 dB no NR. 17 3/8 x 5 3/4 x 14 3/4 in ..... \$850

### CT-W51 Double Cassette Deck

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks. Headphone jack. Independent Auto BLE for each deck; simultaneous rec; relay rec/play; blank skip; high-speed dubbing; FL level meters with peak hold. w&F 0.055%; s/n 57 dB no NR. 16 5/8 x 5 3/8 x 12 5/8 in; 13 lb ..... \$570

## PROTON

### AD-630 Cassette Deck

Dolby B, C NR, HX Pro, and dbx. Features autoreverse; 3-motor ic-logic mechanism; horizontal-loading tape drawer; switchable MPX filter; auto bias optimization; real-time counter. Headphone jack; mic inputs. AB repeat; program search, output-level control, bias selector; rec mute; rec-level meter. Compatible with AH-681 remote control. w&F 0.05%; s/n (high-bias) 54 dB no NR, 65 dB Dolby B, 75 dB Dolby C. FR 30-18,000 Hz  $\pm$  3 dB high bias ..... \$800

### AD-431 Cassette Deck

Dolby B, C NR and HX Pro. Features Permalloy heads; autoreverse. Headphone jack. Digital counter; auto program search; switchable MPX filter. Remote compatible with AV-445 receiver. w&F 0.06%; s/n (high bias) 56 dB no NR, 66 dB Dolby B, 70 dB Dolby C. FR 30-17,000 Hz  $\pm$  3 dB high bias ..... \$300

## REALISTIC by RADIO SHACK

### SCT-86 Cassette Deck

Dolby B NR. Features L/R rec-level controls; tape-bias selector. FR 60-12,500 Hz  $\pm$  6 dB; s/n 52 dB Dolby B; w&F 0.15%. 9 x 4 5/8 x 5 3/4 in; 4 lb ..... \$90

## REVOX

### B77 MkII Open-Reel Tape Deck

Features 2 speeds (3.75 ips and 7.5 ips); 10 1/2-in reel capacity; logic controls; built-in tape cutter; provision for remote control of all functions and electric-timer operation; connectors for remote control of variable tape speed and slide projector or cross-fade unit. Front-panel variable speed control  $\pm$  10%; dual vu



meters with peak-level indicators; separate L/R record and input controls; tape-monitor switch. FR 30-16,000 Hz  $\pm$  2, -3 dB at 3.75 ips, 30-20,000 Hz at 7.5 ips; w&F 0.1% at 3.75 ips, 0.08% at 7.5 ips; s/N 64 dB at 3.75 ips, 67 dB at 7.5 ips. Available in high-speed, low-speed, super low-speed, 2 and 4-track versions. 1 1/4 x 1 7/8 x 8 1/2 in; 8 lb ..... \$2,995

**ROTEL**

**RD965BX Cassette Deck**

Dolby B, C NR and HX Pro. Features soft-touch full-logic controls; 2-motor transport. Rec mute; switchable MPX filter; bias adjustor; L/R rec level meters. Wow-and-flutter 0.035% wrms; signal-to-noise ratio (high bias) 55 dB no NR, 65 dB Dolby B, 75 dB Dolby C; frequency response 30-18,000 Hz  $\pm$  3 dB metal. 1 7/8 x 4 7/8 x 13 in; 11 lb ..... \$400

**RD955AX Cassette Deck**

Dolby B, C NR and HX Pro. Features soft-touch full-logic controls; 2-motor transport. Switchable MPX filter, level meters, rec balance. w&F 0.035% wrms; s/N (high bias) 55 dB no NR, 64 dB Dolby B, 73 dB Dolby C; FR 30-18,000 Hz  $\pm$  3 dB metal. 1 7/8 x 4 7/8 x 11 1/4 in; 10 lb ..... \$350

**SANSUI**

**D-X317WR Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse in both decks, rec in 1 deck; full-logic controls. Gold-plated headphone jack; CD-direct input. 16-song program search; auto rec mute; auto tape-bias selector; bias fine tuning; switchable MPX filter; blank skip; high-speed dubbing; relay play; auto or manual rec-level control; rec/play timer; FL peak-level indicator; remote-control compatibility. FR 20-19,000 Hz  $\pm$  3 dB metal; s/N (metal) 58 dB no NR, 75 dB Dolby C. 17 x 5 x 10 7/8 in; 11 lb ..... \$349

**D-X117WR Cassette Deck**

Dolby B, C NR and HX Pro. Autoreverse. Switchable MPX filter; program search; auto rec mute; peak-level indicator; synchro high-speed dubbing. FR 20-20,000 Hz metal; s/N (metal) 58 dB no NR, 65 dB Dolby B, 75 dB Dolby C; w&F 0.09% wrms. 17 x 5 x 10 1/4 in; 11 lb ..... \$270

**D-X117HX Cassette Deck**

Dolby B, C NR and HX Pro. Full-logic controls. Headphone jack; CD-direct input. Auto tape-bias selector; bias adjustor; switchable MPX filter; high-speed dubbing; rec-level control; rec/play timer; LED meter; remote control compatibility. FR 20-20,000 Hz  $\pm$  3 dB metal; s/N (metal) 58 dB no NR, 75 dB Dolby C. 17 x 5 x 10 1/4 in; 8 lb ..... \$229

**D-790WR Double Cassette Deck**

Dolby B NR. Features autoreverse rec/play in one deck; full-logic controls. Program search; auto tape-bias selector; high-speed dubbing; LED peak-level meters; auto rec mute; program search; repeat; rec/play timer; LED peak-level meters. Frequency response 20-18,000 Hz  $\pm$  3 dB metal; signal-to-noise ratio (metal) 58 dB no noise reduction, 65 dB Dolby B. 17 x 5 3/8 x 9 1/8 in; 9 lb ..... \$215  
**D-590W.** As above, no program search or full-logic controls. Features rec-level control ..... \$139

**SHARP**

**RX-P1 Portable DAT Deck**

1-bit A/D converter, dual 1-bit D/A converters. Features 5 rechargeable batteries for A/D converter; subcode recording system; selectable 32, 44.1, and 48 kHz sampling frequencies. Coaxial digital output/input; analog output/input. Cue review; repeat play; program search; timer record/playback; wired remote control. Includes carrying case, AC adaptor, and stalk-mount for car use. FR 5-22,000 Hz; dynamic range 90 dB; ch sep 80 dB and s/N 90 dB at 1,000 Hz, 0 dB; distortion 0.009% at 1,000 Hz, 0 dB. Main unit: 3 3/8 x 1 1/2 x 4 7/8 in; 15 oz. Main unit with A/D converter: 3 3/8 x 1 1/2 x 6 7/8 in; 1.5 lb ..... \$1,500

**SHERWOOD**

**DD-4010C Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse rec/play in one deck; 2-motor design for each deck. Headphone jack. Relay play; blank skip; high-speed dubbing; auto program search; synchro rec and dub; timer rec/play; mic input with mixing control; auto tape-bias selector; Sherwood Digi-Link II system remote-control compatibility. FR 25-16,000 Hz  $\pm$  3 dB high bias; s/N: 65 dB Dolby B, 74 dB Dolby C. 17 1/4 x 5 x 9 5/8 in; 12 lb ..... \$250

**DD-3010C Double Cassette Deck**

Dolby B, C, NR and HX Pro. Features autoreverse rec/play in one deck; 2-motor design for each deck; full-logic controls. Headphone jack; mic input. Program search; blank skip; relay play; synchro rec and dub; timer rec/play; auto tape-bias selector; Sherwood Digi-Link II system remote-control compatibility. FR 35-16,000 Hz  $\pm$  3 dB high bias; s/N 64 dB Dolby B, 73 dB Dolby C; w&F 0.07% ..... \$225

**DD-2010C Double Cassette Deck**

Dolby B, C NR. Headphone jack. Relay play; high-speed dubbing; synchro rec and dub; auto tape-bias selector; rec-level meter. FR 35-15,500 Hz  $\pm$  3 dB high-bias; s/N 63 dB Dolby B, 72 dB Dolby C; w&F 0.08%. 17 1/4 x 5 x 9 5/8 in; 9 lb ..... \$140  
**DD-1010C.** As above, without Dolby C ..... \$120

**SONY**

**DTC-670 DAT Deck**

Pulse-type A/D conversion. Features 3-motor transport; SCMS copy-protection system; powered cassette loading; 30-mm stainless-steel head; auto sampling-rate selection; multiregulated power supply. Fiber-optic and coaxial digital inputs and outputs; RCA inputs and outputs. User subcoding; 60-track programming; auto renumber; 2 repeat modes; long/standard-play modes; 200/400x fast winds; auto rewind; direct track access; monitoring capability; timer record/playback; FL display with level meter and absolute-, program-, and remaining-time displays; remote control. 32-, 44.1-, and 48-kHz sampling frequencies; FR 2-22,000 Hz  $\pm$  0.5 dB standard play, 2-14,500 Hz  $\pm$  0.05 dB long play; s/N 90 dB; dynamic range 90 dB; THD 0.005% standard play, 0.08% long play. 17 x 4 7/8 x 13 3/4 in; 16 lb ..... \$750

**TC-C5 5-Cassette Changer**

Dolby B, C NR and HX Pro. Features 5-cassette internal magazine; autoreverse rec/play; laser amorphous heads; 5 motors. Programmable playback sequence; relay rec/play; 5-cassette rewind; synchro record with compatible CD players; program search, variable rec level; direct tape access from front-panel or remote control; random play; blank skip; program search; rec mute; timer record/play; remote control. FR 20-19,000 Hz metal; w&F 0.06% wrms; s/N (metal) 59 dB no NR, 74 dB Dolby C. 17 x 5 3/8 x 3 7/8 in; 15 lb ..... \$NA

**Double Cassette Decks**

The following feature full-logic controls, high-density Permalloy heads, an MPX filter, normal/high-speed dubbing, relay play, and rec mute.

**TC-WR875 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse rec/play for both decks; 3 motors per transport; powered cassette loading; cassette stabilizer. Headphone jack with volume control. Manual bias control for one deck; simultaneous/relay rec; program search; auto tape-bias selector; rec-level and balance controls; FL display with level meters; blank skip; auto pause; timer rec/play; remote-control compatibility with most Sony receivers. FR 30-18,000 Hz metal; w&F 0.06% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 3/4 x 11 1/4 in; 12 lb ..... \$480

**TC-WR790 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks. Headphone jack. Independent NR

selection for each deck; simultaneous/relay rec; program search; dubbing-level, rec-level, and balance controls; FL display with level meters. FR 30-19,000 Hz metal; w&F 0.07% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 1/4 in; 10 lb ..... \$380

**TC-WR690 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks. Headphone jack. Simultaneous/relay rec; program search; rec-level and balance controls; FL display level meters; remote control. FR 30-18,000 Hz metal; w&F 0.07% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 1/4 in; 10 lb ..... \$300

**TC-WR590 Double Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse in both decks; one rec/play deck, one play-only. Headphone jack. Rec-level and balance controls; FL display with level meters; remote-control compatibility with most Sony receivers. FR 30-18,000 Hz metal; w&F 0.08% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 1/4 in; 10 lb ..... \$250  
**TC-WR490.** As above, without autoreverse... \$210

**Single Cassette Decks**

The following, except TC-FX170, feature full-logic controls, a cassette stabilizer, an MPX filter, program search, and record mute.

**TC-K69# 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features closed-loop dual-capstan drive; 3 motors; PC-OCC heads; ceramic cassette holder; powered head block and cassette loading; switchable MPX filter. Headphone jack with volume control. Manual rec-level, bias, and balance controls with test-tone generator; timer rec/play; FL display with level meters; remote-control compatibility with most Sony receivers. FR 20-20,000 Hz metal; w&F 0.05% wrms; s/N (metal) 60 dB no NR, 80 dB Dolby C. 17 x 4 7/8 x 11 7/8 in; 11 lb ..... \$350

**TC-RX390 Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; dual-capstan drive; Permalloy heads. Headphone jack. Manual bias, balance, and rec-level controls; FL display; remote-control compatibility with most Sony receivers. FR 30-15,000 Hz metal; w&F 0.07% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 7/8 in; 9 lb ..... \$240

**TC-FX170 Cassette Deck**

Dolby B, C NR. Features Permalloy heads; MPX filter. Headphone jack. Manual bias, rec-level and balance controls; LED level meters. FR 30-15,000 Hz metal; w&F 0.11% wrms; s/N (metal) 58 dB no NR, 68 dB Dolby C. 17 x 5 3/8 x 11 3/4 in; 10 lb ..... \$130

**ES Series**

The following feature full-logic controls, pure-copper wiring, a switchable MPX filter, a headphone jack with volume control, gold-plated inputs/outputs, program search, and remote-control capability.

**DTC-87ES DAT Deck**

Pulse A/D converter. 1-bit D/A conversion. Features 4 heads; 4-motor transport; SCMS copy-protection system; glass-epoxy circuit boards; separate transformers for analog and digital sections; copper-shielded chassis; optical start/end-of-tape sensor; standard- and long-play modes. Fiber-optic, coaxial, and analog inputs and outputs, headphone jack with volume control. Tape-monitoring capability; auto/manual ID subcoding; recording tape stamp; 200x fast search; 60-track programming; synchro record with compatible CD players; direct track access; variable fader; 3 repeat modes; absolute/relative time search; program search; skip; timer record/playback; record mute; level meters; 4 time-display modes; remote control. 32-, 44.1-, or 48-kHz sampling rates; FR 2-22,000 Hz  $\pm$  0.5 dB; s/N 94 dB; dynamic range 94 dB; distortion 0.0045% standard play, 0.08% long play. Simulated-wood side panels. 18 1/2 x 5 3/8 x 14 in; 24.3 lb ..... \$1,800

# T A P E D E C K S

**DTC-59ES.** As above, with 2 heads, 3-motor transport, and 2 repeat modes. *S/N* 93 dB; dynamic range 93 dB. 18½ x 3¾ x 14 in; 18 lb ..... \$800

**TC-K890ES 3-Head Cassette Deck**

Dolby B, C NR and switchable HX Pro. Features 3 motors; closed-loop dual-capstan drive; laser amorphous heads with PC-OCC wiring; sapphire motor bearings; cassette stabilizer; powered head block and cassette loading. CD-direct input. Manual rec-level and bias controls with test-tone generator, balance control; timer rec/play; FL display with level meters and linear counter with memory. FR 15-22,000 Hz metal; *S/N* (metal) 61 dB no NR, 76 dB Dolby C; *w&F* 0.024%. Simulated-wood side panels. 18½ x 5½ x 13¾ in; 18 lb ..... \$650

**TC-WR99ES Double Cassette Deck**

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks; laser amorphous heads with PC-OCC wiring; 3 motors per transport; cassette stabilizers; powered cassette loading. Independent NR selection for each deck; relay play; simultaneous sequential rec; pitch control; separate bias controls for each deck; fader; normal/high-speed dubbing with level control; blank skip; rec mute; auto pause; timer rec/play; FL display. FR 20-20,000 Hz metal; *S/N* (metal) 59 dB no NR, 74 dB Dolby C; *w&F* 0.06%. Simulated-wood side panels. 18½ x 5¾ x 13¾ in; 17 lb ..... \$600

**TC-K679ES 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features 3 motors; closed-loop dual-capstan drive; laser amorphous heads with PC-OCC wiring; cassette stabilizer; powered head block and cassette loading. CD-direct input. Manual rec-level and bias controls with test-tone generator; timer rec/play; defeatable FL display with level meters and linear counter with memory; balance control. FR 20-21,000 Hz metal; *S/N* (metal) 60 dB no NR, 75 dB Dolby C; *w&F* 0.05%. 17 x 14¾ x 11¾ in; 11 lb ..... \$430

**TC-RX79ES Cassette Deck**

Dolby B, C NR and HX Pro. Features autoreverse; 3 motors; laser amorphous head with PC-OCC wiring; cassette stabilizer; powered head block and cassette loading. Front-panel L/R mic inputs. Manual rec-level and bias controls; timer rec/play; defeatable FL display with level meters and linear counter with memory; balance and fader controls. FR 25-20,000 Hz metal; *S/N* (metal) 59 dB no NR, 74 dB Dolby C; *w&F* 0.06%. 17 x 4¾ x 11¼ in; 10 lb ..... \$430

**TC-WR87ES Double Cassette Deck**

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks; laser amorphous heads with PC-OCC wiring. Relay play; simultaneous/sequential rec; bias control for one deck; high-speed dubbing; blank skip; auto pause; rec mute; timer rec/play; FL display; 2 linear counters with memory. FR 30-20,000 Hz metal; *S/N* (metal) 59 dB no NR, 74 dB Dolby C; *w&F* 0.07%. 17 x 5¾ x 11¾ in ..... \$430

**TEAC**

**V-8000S 3-Head Cassette Deck**

Dolby B, S, C NR and HX Pro. Features quartz-locked dual-capstan drive; front-panel-centered cassette well; 5 shielded circuit blocks; anti-static cassette stabilizer; PC-OCC head wiring. Gold-plated line-level inputs and outputs; CD-direct input; headphone jack with volume control. Independent L/R ch bias and level controls; ±25% bias range; synchro rec with compatible CD players; test oscillator; rec mute with auto spacing; return-to-zero memory; auto tape-bias selector; rec/play timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C, 84 dB Dolby S; *w&F* 0.022%. 18¾ x 5¾ x 14 in; 24 lb ..... \$1,300

**V-7010 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-

centered cassette well; quartz-locked dual-capstan system. CD-direct input; gold-plated line-level inputs and outputs; headphone jack with volume control. Power-assisted load/eject; synchro rec with compatible CD players; program search; L/R peak meters with peak hold; CD level check; auto monitor; rec mute with auto spacing; independent L/R ch bias and level controls; test oscillator; return-to-zero memory; master rec-level and L/R balance controls; auto tape-bias selector; rec playback timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.022% wrms ..... \$1,000

**V-5010 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-centered cassette mounted transport; closed dual-capstan system; anti-static cassette stabilizer. CD-direct input and selector; gold-plated line-level inputs and outputs; headphone jack with volume control. Power-assisted load/eject; synchro rec with compatible CD players; program search; L/R peak meters; switchable MPX filter; CD level check; auto monitor; rec mute with auto spacing; independent L/R ch bias and level controls; return-to-zero memory; master rec-level and L/R balance controls; auto tape-bias selector; rec play timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.027% wrms. 17½ x 5¾ x 14 in ..... \$790

**V-3010 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-centered cassette well; anti-static cassette stabilizer. Gold-plated line-level inputs and outputs; CD-direct input; headphone jack with volume control. L/R peak meters; electronic counter; switchable MPX filter; auto monitor; rec mute with auto spacing; manual bias adjustment; master rec-level and L/R balance controls; auto tape-bias selector; rec play timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.045% wrms. 17½ x 5¾ x 14 in; 15 lb ..... \$620

**V-1010 3-Head Cassette Deck**

Dolby B, C NR and HX Pro. Features Permalloy heads with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-centered cassette well. Line-level inputs and outputs; CD-direct input; headphone jack with volume control. L/R peak meters; electronic counter; switchable MPX filter; auto monitor; rec mute with auto spacing; manual bias adjustment; master rec-level and L/R balance controls; auto tape-bias selector; rec/play timer; infrared remote sensor. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.045% wrms. 17½ x 5¾ x 14 in; 13 lb ..... \$450

**W-585R Double Cassette Deck**

Dolby B, C NR and HX Pro for both decks. Features autoreverse rec/play in both decks; 2-motor IC logic control mechanisms; Permalloy rec/play rotating-head system. Headphone jack; L/R mic inputs. relay play; synchro dubbing; repeat; one-touch normal

high-speed dubbing; blank skip for one deck; bias adjuster for one deck; intro scan; L/R peak meters; simultaneous rec; synchro rec with compatible CD players; rec mute with auto spacing; timer rec play; remote control. FR 15-18,000 Hz -20 dB high bias; *S/N* 69 dB Dolby B, 79 dB Dolby C; *w&F* 0.06% wrms. 17½ x 5¾ x 10¾ in; 11 lb ..... \$370

**W-525R Double Cassette Deck**

Dolby B, C NR and HX Pro for one deck. Features autoreverse rec play for both decks; 2-motor IC logic control mechanism; Permalloy rec/play rotating-head system. Headphone jack. Repeat/relay play; synchro dubbing; synchro rec with compatible CD players; rec mute with auto spacing; timer rec play; L/R peak meters; auto tape-bias selector for both decks; bias adjuster for 1 deck; remote control. FR 25-18,000 Hz -20 dB high bias; *S/N* 69 dB Dolby B, 79 dB Dolby C; *w&F* 0.06% wrms. 17½ x 5¾ x 10¾ in ..... \$290

**W-410 Double Cassette Deck**

Dolby B NR. 2 DC servo motors. Relay play; high-speed dubbing; bias adjuster; Teac system remote compatibility. FR 30-16,000 Hz metal; *w&F* 0.09% wrms ..... \$160

**V-370 Cassette Deck**

Dolby B NR. Permalloy rec/play head; 1 DC servo motor; front-panel-centered cassette well. Teac system remote compatibility. FR 30-16,000 Hz metal; *S/N* 65 dB Dolby B, 79 dB Dolby C ..... \$120

**Open-Reel Decks**

**X-2000RBL Open-Reel Tape Deck**

Two-speed (7.5 and 3.75 ips) 4-track, 2-channel tape deck with dbx I NR and 10½-in reel capacity. Features 6 cobalt-amorphous heads for bidirectional 3-head operation; 3-motor transport; LSI full-logic control; tension servo control; motion sensing; dual-capstan closed-loop transport; pitch control; auto search; EE tape switch; fine bias control; mic/line mixing; real-time counter. FR 40-33,000 Hz ±3 dB (7.5 ips); *w&F* 0.03% wrms (7.5 ips); *S/N* 100 dB (dbx). 17 x 18 x 10½ in; 46.3 lb ..... \$2,450

**X300R Open-Reel Tape Deck**

3-head, 3-motor system with 7.5-ips speed. Front panel mic and headphone outputs. Features bidirectional playback; autoreverse; auto repeat; light-touch transport controls; mic/line mixing; rec mute; L/R level controls; tape/source monitor and 3-mode tape selectors; timer start. FR 40-30,000 Hz ±3 dB (7.5 ips); *w&F* 0.04% wrms (7.5 ips); *S/N* 65 dB; THD 3% \$1,550 X300. As above, without bidirectional playback, autoreverse, and auto repeat ..... \$1,400

**TECHNICS**

**RS-DC10 DCC Deck**

Features analog-cassette playback compatibility with Dolby B and C NR; PASC digital coding; autoreverse; servo-controlled 2-motor transport; optical sensor for end-of-tape detection and auto DCC/analog-cassette switching; front-panel-centered cassette well. Gold-plated RCA jacks. User DCC subcoding; 12-



Teac V-1010

# T A P E D E C K S

character album title, artist name, and track title display of prerecorded DCC's; timer; level meters with peak hold; track-number, time/counter, and transport-mode displays; remote control ..... \$999

## RS-B965 3-Head Cassette Deck

Dolby B, C, NR, HX Pro, and dbx. Digital-servo direct-drive motor; dual-capstan closed-loop 3-motor transport; full-logic controls; amorphous PC-OCC coil rec/play heads; isolated circuit blocks: Class AA rec amp; phase-compensation circuitry in play amp; independent power supplies; cassette stabilizer. Headphone jack with level control. CD-direct input. Semiautomatic bias/rec-level calibration with test-tone oscillator; master rec level and balance controls; switchable MPX filter; auto tape/source monitor select; program search; auto tape-bias selector; auto rec mute; timer rec/play. FR 20-20,000 Hz  $\pm$  3 dB high-bias; S/N (high bias) 57 dBA no NR, 66 dB Dolby B, 74 dB Dolby C, 92 dBA dbx; w&F 0.03%. 17 x 5 1/2 x 1 1/2 in. ... \$700

## RS-BX606 3-Head Cassette Deck

Dolby B, C, NR and HX Pro. Features digital-servo direct-drive 2-motor transport; Class AA rec amp; full-logic controls; PC-OCC coils. Headphone jack with volume control. Program search; bias adjustor; master rec level and balance controls; switchable MPX filter; auto tape-bias selector; auto tape/source monitor select; repeat play; auto rec mute; timer rec/play; peak-hold meters. FR 30-18,000 Hz  $\pm$  3 dB high bias; S/N (high bias) 57 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.05%. 17 x 5 x 1 1/2 in; 10 lb ... \$300

## RS-TR515 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse rec/play; full-logic controls; independent 2-speed DC servo motors. Program search; bias adjustor for one deck; master rec level and balance controls; auto tape-bias selector; simultaneous/relay rec; synchro start/stop; auto rec mute; high-speed dubbing; peak-level meters; timer rec/play; remote-control capability. FR 40-15,000 Hz  $\pm$  3 dB high bias; S/N (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 3/8 x 1 1/2 in; 11 lb ... \$299

## RS-BR465 Cassette Deck

Dolby B, C, NR and HX Pro. Autoreverse rec/play; 2 DC-motor transport; full-logic controls. Headphone and mic jacks. Bias adjustor; master rec level and balance controls; switchable MPX filter; auto tape-bias selector; auto rec mute; memory stop; timer rec/play; peak-hold meters; remote-control capability. FR 30-16,000 Hz  $\pm$  3 dB high bias; S/N (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.07%. 17 x 5 1/2 x 1 1/2 in; 10 lb ... \$230

## RS-TR333 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse in both decks; one deck rec; full-logic controls; independent 2-speed DC servo motors. Program search; synchro start/stop; master rec level and balance controls; bias adjustor; auto tape-bias selector; auto rec mute; high-speed dubbing; peak-level meters; remote control capability. FR 40-15,000 Hz  $\pm$  3 dB high bias; S/N (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 3/8 x 1 1/2 in; 10 lb ... \$219

## RS-TR212 Double Cassette Deck

Dolby B, C, NR and HX Pro. One autoreverse rec/play deck, one play only; full-logic controls; independent 2-speed DC servo motors. Synchro dubbing; master rec level and balance controls; auto tape-bias selector; auto rec mute; high-speed dubbing; peak-level meters; remote-control capability. FR 40-15,000 Hz  $\pm$  3 dB high bias; S/N (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 3/8 x 1 1/2 in; 10 lb ... \$199

## UHER OF AMERICA

### CR 1601 3-Head Cassette Deck

Features azimuth adjustor; 2 motors; direct drive; dual capstans. Mic inputs; headphone jack. Output-level control; memory stop/play; LED meters; rec

mute; 3 tape speeds: 1.88, 0.94 and 0.16 lps with ALC. FR 20-19,000 Hz  $\pm$  3 dB; w&F 2% wrms. 9 1/4 x 2 1/4 x 7 1/4 in; 5 lb ..... \$2,179

### CR 1600 3-Head Cassette Deck

Dolby B NR. Features autoreverse; 2 motors; 4 tracks; A v input capability. Switchable ALC with 2-time constants; sep ch record-level meters; 1 1/2 and 1/2 ips; remote: soft-touch solenoid controls with built-in speaker; operates on dry cell, 12-V car battery, or 110/220 V AC. FR 30-16,000 Hz; w&F  $\pm$  1%. 9 x 2 1/4 x 7 1/4 in; 6 lb ..... \$2,179

## Open-Reel Decks

### Model 6000 Open-Reel Tape Deck

Dynamic NR. Four-speed (3.75, 1.88, 0.94, 0.47 ips) tape recorder. Features four motors; 5-in reel capacity; 24 hours rec on 1 tape. Switchable auto level control; electronic tape tension control; switchable speaker; tape counter; A v input jack. 11 x 3 1/2 x 9 in; 8 lb ..... \$2,629

## Report-Monitor Series Tape Recorders

*Report-Monitor decks feature 3 heads, LED function indicators, an integrated power supply, electronic amplifier switching, battery or AC operation, tape-tension regulator, and a die-cast aluminum casing. All models can be used in portable or stationary applications. Speeds are 7.5, 3.75, 1.88, and 0.94 inches per second.*

Model 4400 Report Monitor. 4-track stereo ..... \$2,169

Model 4200. 2-track stereo ..... \$2,169

Model 4000 AV. Half-track mono ..... \$2,025

## Accessories

F-423 Diapilot. Self-contained unit for synchronizing auto slide projector with Uher open-reel and cassette decks ..... \$293

F413 Acoustic Stop/Start Switch. Acoustic activation. For use with Uher decks ..... \$157

Z-125A Power Supply. Power supply and charger for Uher Monitor Series decks ..... \$154

Z-135. Power supply/charger unit for Uher cassette recorders ..... \$120

## VECTOR RESEARCH

### VCX-270 Cassette Deck

Dolby B, C, NR and HX Pro. Features 2-motor design; full-logic controls. Headphone jack with volume control. High-frequency trim and bias controls; switchable MPX filter. FR 30-17,000 Hz; S/N 75 dB Dolby C, 67 dB Dolby B; w&F 0.05% wrms. 16 1/8 x 4 5/8 x 1 1/4 in; 13 lb ..... \$280

### VCX-255 Cassette Deck

Dolby B and C, NR, LR channel mic input. Rec-balance control; metal tape-bias compatibility; soft-touch controls; bias adjustment. FR 30-17,000 Hz  $\pm$  3 dB high bias; signal-to-noise ratio 67 dB Dolby B, 75 dB Dolby C; wow-and-flutter 0.05% wrms. 17 x 4 1/2 x 1 1/4 in; 12 lb ..... \$180

## YAMAHA

*The following, except KX-150, are compatible with Yamaha's RS system remote control.*

### KX-W952 Double Cassette Deck

Dolby B, C, NR and HX Pro on both decks. Features autoreverse rec/play in both decks; 12-layer amorphous rec-play heads; sorbothane-stabilized cassette doors. Headphone jack with deck selector and level control. Simultaneous rec of 2 different sources; auto tape-bias selector; separate controls, meters, and displays for each deck; one-touch simultaneous/relay rec; play trim control; high-speed dubbing; cross-Dolby, random-program, manual, and skip dubbing; 15-selection random program play for each deck; intro scan; auto rec mute; rec return; blank skip; selectable reverse mode; level meters with peak-hold. 17 1/8 x 5 7/8 x 1 1/4 in; 22 lb ..... \$699

### KX-W602 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse rec play in both decks; full-logic 2-motor transports in each deck; amorphous rec/play heads. Manual, auto, normal, high-speed, skip, and random-program dubbing modes; relay play and rec; 9-selection random-program play; peak-level meters; remote control. 13 lb ..... \$519

### KX-R730 Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse via optical sensor; 4-motor transport; microcomputer-controlled auto rec level with digital level indicator; amorphous play/rec head. Headphone jack with volume control. Program search; auto fader; switchable MPX filter; intro scan; auto tape-bias selector; rec mute; rec return; memory stop; repeat; LCD peak-level meter; remote control ..... \$499

### KX-W362 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse; one deck rec/play; low-imp 12-layer amorphous head; 2-motor transport; full-logic controls; sorbothane cassette stabilizer. Program search; single, reverse, and repeat play; relay play; play trim control; auto tape-bias selector; rec level and balance controls; rec-level indicator; high-speed dubbing; auto rec mute; rec return; peak-level meters. FR 20-20,000 Hz  $\pm$  3 dB metal. 17 1/8 x 5 1/4 x 1 1/2 in; 13 lb ... \$429

### KX-530 Cassette Deck

Dolby B, C, NR and HX Pro. Features amorphous rec/play head; double-gap ferrite erase head. Headphone jack with volume control. Program search; master fader; switchable MPX filter; play trim control; repeat; remaining-time indicator; random program; rec-level indicator; intro scan; auto tape-bias selector; rec mute; rec return; memory stop; LCD peak-level meter; remote control ..... \$399

### KX-R430 Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse; amorphous head; 2 motors. Headphone jack. Program search; intro scan; full, single, and phrase repeat; rec return; auto rec mute; auto tape-bias selector; timer rec/play; switchable MPX filter; blank skip; bias adjustor; LED peak-level meter; remote control. 11 lb ..... \$349

### KX-360 Cassette Deck

Dolby B, C, NR and HX Pro. Features 2-motor transport; full-logic controls; sorbothane cassette stabilizer. Headphone jack with volume control. Program search; switchable MPX filter; play trim control; bias adjustor; rec-level and balance controls; rec-level indicator; auto rec mute; rec return; timer rec/play; intro scan; auto tape-bias selector; memory stop; repeat; peak-level meters. FR 20-20,000 Hz  $\pm$  3 dB metal; w&F 0.05%. 17 1/8 x 5 1/4 x 1 1/2 in ..... \$299

### KX-W252 Double Cassette Deck

Dolby B, C, NR. Features autoreverse in both decks; one rec/play deck, one play-only; 2-motor transports; full-logic controls. Headphone jack. High-speed dubbing; rec level and balance controls; auto rec mute; rec return; single, reverse, and repeat play; relay play; auto tape-bias selector; peak-level meters. FR 20-20,000 Hz  $\pm$  3 dB metal; w&F 0.08%. 17 1/8 x 5 1/4 x 1 7/8 in; 13 lb ..... \$299

### KX-260 Cassette Deck

Dolby B, C, NR and HX Pro. Features 2-motor transport; full-logic controls. Headphone jack. Program search; play trim control; intro scan; full and phrase repeat; auto tape-bias selector; bias adjustor; rec level and balance controls; rec return; auto rec mute; switchable MPX filter; timer rec play; peak-level meters. FR 20-19,000 Hz  $\pm$  3 dB metal. 17 1/8 x 5 1/4 x 1 1/8 in ..... \$249

### KX-150 Cassette Deck

Dolby B, C, NR. Features Permalloy head; 2-motor transport; full-logic controls. Headphone jack. Auto tape-bias selector; rec mute; rec return; independent LR rec-level controls; peak-level meters ..... \$219

# TUNERS

## ACOUSTIC RESEARCH

**Limited FMT FM Tuner**  
Features xLR and RCA connectors. 13 lb . . . \$2,200

## ADCOM

**GFT-555II AM/FM Tuner**  
Quartz-referenced digital-synthesis design with 8 AM/8 FM presets. Buffered output stages using Class A amplifier; 1% Roederstein metal-film resistors and metal-film capacitors; tuning accuracy of 0.00025%. Auto scan; switchable high-blend circuit; mono/mute switch; FL digital display; 5-LED signal-strength display. FM: 50-dB quieting sens 36 dBf stereo; cap ratio 1.7 dB; THD 0.1% at 1,000 Hz; S/N 78 dB stereo; AM rej 70 dB . . . \$350  
**GFP-555IIW.** As above, white . . . \$400

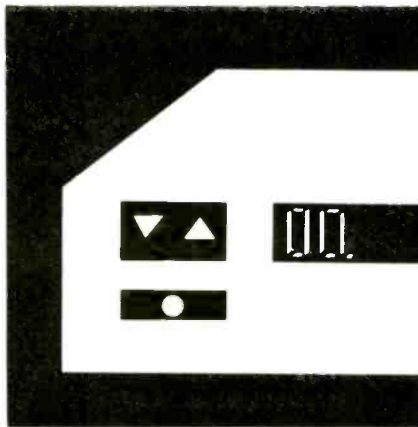
## ARCAM

**Delta 80 AM/FM Tuner**  
Analog tuner with digital frequency display and 6 AM/6 FM presets. Features flywheel-assisted rotary knob; 3-color FM tuning indicator. Logarithmically scaled signal-strength meter; AFC and mono switches. FM: cap ratio 1.5; S/N 70 dB stereo; sens 1.4  $\mu$ V. 17 x 2 3/8 x 10 1/2 in; 10 lb . . . \$699

**Alpha 2 AM/FM Tuner**  
Analog tuner. Features birdie filter; single glass-fiber PC board. Shortwave reception; red LED beacon. Rotary flywheel tuning control; AFC and mono switches. FM: cap ratio 1.5 dB; alt-ch sel 60 dB; S/N 68 dB stereo; sens 1.4  $\mu$ V. 17 x 3 3/8 x 9 in; 5 lb . . . \$349

## AUDIO DESIGN ASSOCIATES

**MT-3000 Multi-Tuner**  
Designed for multiroom applications. 3 independent tuner modules with 10 presets per module; choice of AM-stereo, FM-stereo, shortwave, or cable-TV modules in any combination. Features digital-synthesis tuning; auto analog phase-frequency detector; stereo dynamic noise blend. 1 remote-control input for each module; 1 remote-control input to access all 3 modules and 30 presets; 1 line-level output for each module; 1 line-level output for all 3 modules. 4-character alphanumeric labeling for each preset; mute. Remote control optional. FM: 50-dB quieting



sens 34 dBf; cap ratio 1.4 dB; AM rej 54 dB; alt-ch sel 80 dB; ch sep 50 dB at 1,000 Hz; S/N 69 dB stereo; FM 30-50,000 Hz  $\pm$  0.5 dB; THD 0.09% stereo at 1,000 Hz. 19 x 3 1/2 x 11 in; 8 lb . . . \$2,500

## AUDIOLAB

**Model 8000T AM/FM Tuner**  
Microprocessor-based system with 39 AM/FM presets. 9th-order elliptical LC birdie filter; rotary optical digital encoder; single FM demodulator; 20-60 dB auto muting. Precision signal-strength meter accurate to 90 dB/ $\mu$ V; center-zero tuning meter; manual tuning in 25-kHz steps; low-emission LCD display . . . \$1,150

## AUDIOSOURCE

**TNR-One AM/FM Tuner**  
Quartz-PLL tuner with 20 AM/FM presets. Features auto scanning and muting; digital display. Cap ratio 1 dB; alt-ch sel 65 dB; S/N 70 dB mono, 76 dB stereo. 16 1/2 x 2 3/8 x 11 3/8 in; 8.4 lb . . . \$230

## B&K COMPONENTS

**TS-108 FM Tuner**  
Digital-synthesis tuner with 8 FM presets. Features FL display; 5-segment signal-strength meter; program-

mable selectivity; mono stereo and local/tx switches. Cap ratio 1.5 dB; sens 15 dBf mono, 36 dBf stereo; ch sep 40 dB. 17 x 2 1/2 x 9 in; 8 lb . . . \$398

## CAMBRIDGE AUDIO

**T50 AM/FM Tuner**  
8 AM/16 FM presets. Features auto/manual scan; bar graph for tuning strength; center tuning indicator. FM: capture ratio 2.5 dB; FM sensitivity 1.8  $\mu$ V; signal-to-noise ratio 80 dB mono, 75 dB stereo. 17 x 3 1/4 x 12 3/8 in; 8.8 lb . . . \$350

## CARVER

The following feature multipath rejection circuitry.

**TX-11b AM/FM Tuner**  
Digital quartz-synthesis tuner with 13 AM/FM presets. Features AM-stereo reception; AM gain and noise-elimination circuits; switchable wide/narrow IF. 3-week memory backup; preset scan; auto/manual tuning. IHF sens 11.3 dBf; cap ratio 1 dB; AM rej 65 dB; ch sep 45 dB and THD 0.05% at 1,000 Hz; S/N 85 dB stereo. 19 x 3 1/2 x 12 1/2 in; 11 lb . . . \$800

**TX-14 AM/FM Tuner**  
20 AM/FM presets. Features FMX decoder. Auto/manual preset scan; FM-mono switch; analog signal-strength meter; remote control. IHF sens 12.8 dBf; cap ratio 1.5 dB; AM rej 60 dB; alt-ch sel 66 dB; ch sep 45 dB and THD 0.08% at 1,000 Hz; S/N 70 dB. 19 x 1 3/4 x 10 in . . . \$400

## CREEK

**T40 FM Tuner**  
Auto mute, AFC, local/tx, and narrow/wide-IF switching . . . \$525

## DAY SEQUERRA

**Reference Panalyzer FM Tuner**  
Analog FM tuner. Features panoramic display of 2 MHz on 4 1/2-in instrument-grade oscilloscope for RF spectrum analysis . . . \$12,800

**Reference FM Tuner**  
Analog FM tuner. Features 100-Hz tuning accuracy; multiple IF processors with variable Q circuits; dual-



AudioSource TNR-One

# TUNERS

mono servos; absolute phase and phase-compensation circuitry; 4 1/2-in instrument-grade oscilloscope. Balanced outputs. Selectable IF bandwidths. 35 lb ..... \$4,800  
**Studio-2 FM Tuner** ..... \$3,000

## DENON

### TU-680NAB AM/FM Tuner

Broadcast-monitor design with 30 AM/FM presets. Features noise blanking microcircuit; FM section with varactor 5-gang-equivalent tuning circuits; MOSFET RF amplifiers; MPX noise reduction circuitry. Low imp audio outputs. Auto seek; manual step tuning; wide/narrow audio and IF bandwidth switches; remote control. FM: 50-dB quieting sens 37.2 dBf stereo; cap ratio 1.3 dB; image rej 80 dB; RF rej 100 dB; sel 50 dB wide, 75 dB narrow; SN 82 dBA stereo; THD 0.1% stereo; ch sep 50 dB; FR 20-15,000 Hz + 0.5, -1 dB. AM: FR 50-7,500 Hz + 1.5, -3 dB; SN 53 dB; THD 0.5% stereo; ch sep 32 dB. Available by special order ..... \$650

### TU-660 AM/FM Tuner

Quartz-lock digital design with 30 AM/FM presets. Features switchable wide/narrow IF bandwidth; switchable AM-tuner audio filter bandwidth. Manual-step tuning; last-station memory. FM: 50-dB quieting sens 37.2 dBf stereo; cap ratio 1.3 dB; FR 20-15,000 Hz + 0.5, -1 dB; SN 80 dBA stereo; THD 0.1% stereo; ch sep 50 dB at 1,000 Hz; sel 50 dB wide, 75 dB narrow. AM: FR 85-7,500 Hz + 1.5, -3 dB; SN 53 dB ..... \$350

### TU-280 AM/FM Tuner

Quartz-lock digital design with 30 AM/FM presets. Features high-speed tuning circuitry; wide AM tuning band range; AM beat-cut filter; FM section with varactor 3-gang-equivalent tuning circuits. Low imp outputs. Denon remote-control compatible. FM: 50-dB quieting sens 38.5 dBf stereo; cap ratio 1.5 dB; image rej 45 dB; IF rej 65 dB; SN 74 dBA stereo; THD 0.2% stereo; ch sep 40 dB; FR 20-15,000 Hz + 0.5, -2 dB ..... \$240

## GOLDMUND

### Mimesis 4 FM Tuner

6 presets. Features analog design; adjustable bandwidth; auto frequency-control circuit; 3 separate power supplies using 2 transformers; Independent grounds for chassis and signal. Switchable mute circuit; LED tuning display; manual flywheel tuning; AC line-polarity switch; dual antenna inputs; 600-ohm DC-coupled output. SN 75 dB mono, 70 dB stereo; THD (wideband) 0.02% mono, 0.025% stereo; 50-dB quieting sensitivity 2.5  $\mu$ V mono, 27.5  $\mu$ V stereo; capture ratio 1.5 dB; image rejection 75 dB. 3-yr parts-and-labor warranty. 19 x 1 3/4 x 15 1/2 in; 22.1 lb ..... \$6,200

## HARMAN KARDON

*The following have rear-panel jacks for Harman Kardon's system remote control.*

### Citation Twenty-Three AM/FM Tuner

Digital-synthesis, quartz-locking design with 16 AM/FM presets. Features high-selectivity circuit; mono and mute buttons; LCD; analog fine-tuning; remote control. FM (with high selectivity): 50-dB quieting sensitivity 40.4 dBf stereo; AM rejection 70 dB; capture ratio 1.75 dB; alternate-ch selectivity 75 dB; SN 75 dB stereo; ch separation 35 dB at 1,000 Hz. 17 3/8 x 2 3/4 x 14 3/8 in; 15 lb ..... \$699

### TU9600 AM/FM Tuner

24 AM/FM presets. Digital fine tuning; FM pilot and subcarrier NR; active tracking circuitry; discrete output stage; high-blend circuit. 2 antenna inputs. Digital display; seek tuning; hi-blend switch; LED signal-strength indicator; non-volatile memory of control functions and presets; remote control. FM: 50-dB quieting sens 36.2 dBf stereo; AM rej 65 dB at 45 dBf; cap ratio 1 dB; alt-ch sel 45 dB. 80 dB with active

tracking; output 2-V. Black finish. 17 3/8 x 2 7/8 x 13 in; 7.5 lb ..... \$429

**TU9400.** As above, without active tracking, digital fine tuning, antenna inputs, and remote control. FM: 50-dB quieting sens 37.2 dBf stereo; AM rej 50 dB at 45 dBf; cap ratio 1.2 dB; alt-ch sel 65 dB ..... \$319  
**TU9200.** As TU9400, without FM pilot/subcarrier NR. AM rej 45 dB at 45 dBf; cap ratio 1.5 dB; alt-ch sel 70 dB ..... \$229

## JVC

### Super Digifine Series

#### FX-1010TN AM/FM Tuner

Microprocessor-controlled tuner with 40 AM/FM presets. Features computer-controlled RF gain, IF bandwidth, quieting-slope, and mono/stereo selection; separate analog and digital sections; MOSFET front end; ceramic-filter IF section; PLL detector; PLL multiplex circuit to eliminate beat noise. 2 antenna inputs with switching. Preset scan; preset cancel to bypass undesired presets; 8-event timer; dB-referenced signal-strength indicator; adjustable muting threshold; rec-level-calibration signal generator; Compu Link system compatibility. FM: 50-dB quieting sens 38.1 dBf stereo; AM rej 65 dB; cap ratio 1.2 dB; sel 25 dB wide, 75 dB narrow; ch sep 60 dB wide at 1,000 Hz; FR 20-15,000 Hz + 0.3, -0.5 dB; SN 88 dBA stereo at 85 dBf; THD wide at 1,000 Hz 0.009% mono, 0.02% stereo. 17 1/4 x 4 x 11 3/4 in; 8 lb ..... \$480

## KENWOOD

### KT-5020 AM/FM Tuner

Quartz-synthesis design with 20 AM/FM presets. Features pentacle power supply. Switchable wide/narrow IF; timer; FL display; system remote-control compatibility. 50-dB quieting sens 16.2 dBf mono, 38.8 dBf stereo; SN (at 85 dBf) 88 dB mono, 82 dB stereo; THD (wide if from 50-10,000 Hz) 0.1% mono, 0.12% stereo; FR 20-15,000 Hz  $\pm$  0.5 dB; ch sep 55 dB at 1,000 Hz; cap ratio 1 dB wide, 2.5 dB narrow; AM rej 76 dB. AM: SN 52 dB; THD 0.3%; image rej 40 dB. 17 3/8 x 3 7/8 x 12 1/2 in 9.3 lb ..... \$270

## MARANTZ

### ST-50 AM/FM Tuner

Digital-synthesis design with 30 AM/FM presets. Features 4-gang FM front end with dual-gate MOSFETs; linear-phase IF filters; pilot-tone canceler. RC-5 interface for remote-control compatibility with Marantz components. IF-selection memory for each preset; 2-week battery-free preset backup; switchable wide/narrow IF; direct station access; auto/manual scan; FL display. FM: usable sens 10.8 dBf mono; 50-dB quieting sens 37 dBf stereo; alt-ch sel 35 dB wide, 75 dB narrow; cap ratio 1 dB; THD (stereo at 1,000 Hz) 0.08% wide, 0.4% narrow; SN (at 1,000 Hz) 82 dB stereo; ch sep 55 dB at 1,000 Hz; FR 20-15,000 Hz  $\pm$  0.5 dB; image rej 80 dB; IF rej 100 dB. AM: usable sens 48 dBf; sel 30 dB; SN 54 dB at 500 Hz; THD 0.3% at 400 Hz. Gold finish with die-cast alloy side panels. 17 1/8 x 3 3/8 x 13 1/8 in; 14.5 lb ..... \$349

## MERIDIAN

### Model 204 FM Tuner

18 FM presets. Features steel chassis; full RF shielding. Clock timer; adjustable seek tuning; scan tuning; status and signal-strength displays. Cap ratio 1.5 dB; ch sep 40 dB at 1,000 Hz; sel 56 dB; THD 0.02% mono, 0.4% stereo. 6 3/8 x 4 x 12 3/8 in ..... \$1,190

## MCINTOSH

### MR-7083 AM/FM Tuner

PLL design with 8 AM/8 FM presets. CMOSFET RF amp for FM signals; JFET amp for AM signals. FM: 50-dB quieting sens 15 dBf mono, 37 dBf stereo; usable sens 11.25 dBf; AM rej 78 dB; cap ratio 1.5 dB; alt-ch sel 70 dB; FR 20-15,000 Hz + 0, -1 dB; ch sep 50 dB. AM: adj-ch sel 45 dB. 16 1/8 x 5 3/8 x 14 in; 15.5 lb ..... \$1,695  
**MR-7083(W).** Wide chassis. 17 1/2 x 5 3/8 x 14 in \$1,695

## MTX SOUND CRAFTSMEN

### Pro-Tuner Four AM/FM Tuner

Digital quartz-PLL tuner with 16 AM/FM presets. Features active high-blend filter. 5-digit station display; auto scan. IHF sens 1.6  $\mu$ V; SN 75 dB; distortion 0.08%. 19-in rack-mount front panel. 19 x 2 3/8 x 12 in ..... \$379

### T100 AM/FM Tuner

Digital quartz circuitry with 20 AM/FM presets. Features auto/manual tuning. FM: 50-dB quieting sens 11 dBf mono, 34.5 dBf stereo; cap ratio 1.5 dB; SN 75 dB mono, 70 dB stereo; FR 30-15,000 Hz  $\pm$  1.5 dB. 17 x 1 3/4 x 14 1/4 in ..... \$360

## MUSEATEX

### FM-1 FM Tuner

Digital-synthesis tuner with 99 AM/FM presets. PLL loop detectors; IF demodulation; LCD interface. 2 antenna/cable inputs. Manual fine tuning; auto preset store; stereo/mono and IF bandwidth selection; remote control. 5-yr warranty. 14 lb ..... \$999

## NAD

### Model 4225 AM/FM Tuner

14 AM/FM presets. Linear IF filters. Features switchable blend circuit. FM: 50-dB quieting sensitivity 37 dBf mono; capture ratio 2 dB; alt-ch selectivity 65 dB; signal-to-noise ratio 75 dB stereo. 16 1/2 x 3 x 10 in; 7 lb ..... \$249

## NAIM

### NAT 01 FM Tuner

Features: auto bandwidth selection; progressive switching from mono to stereo; separate power supply. Digital frequency display increases in brightness to indicate signal strength. Output level 250 mV/ch. 11 3/4 x 3 x 8 in ..... \$3,395

**NAT 02.** As above, integral power supply ..... \$2,135

## NAKAMICHI

### ST-7 AM/FM Tuner

PLL design with 16 AM/FM presets. Scholtz NR. 5-segment signal/multifunction meter; L/R output-level controls. FM: usable sens 10 dBf mono, 17 dBf stereo; 50-dB quieting sens 14 dBf mono, 28 dBf stereo; AM rej 60; cap ratio 1.9 dB; alt-ch sel 60 dB; THD (at 1,000 Hz) 0.06% mono, 0.08% stereo; SN 80 dB mono, 76 dB stereo; ch sep 55 dB at 1,000 Hz. 17 1/8 x 2 1/2 x 11 3/8 in; 10.5 lb ..... \$849

## NIKKO

### NT 150 AM/FM Tuner

Digital-synthesis FM design with 24 AM/FM presets. 5-segment signal-strength meter; auto/manual tuning. FM: 50-dB quieting sens 12 dBf mono, 36 dBf stereo; cap ratio 3 dB wide; FR 30-15,000 Hz  $\pm$  5 dB; THD 0.5% at 1,000 Hz; SN 75 dB mono, 68 dB stereo. 16 7/8 x 2 3/8 x 10 in; 6 lb ..... \$109

### NT 60 AM/FM Tuner

Digital-synthesis FM design with 24 AM/FM presets. Antenna and output jacks. FL display; auto/manual search; preset scan. FM: 50-dB quieting sens 50 dBf; cap ratio 2 dB (wide); FR 20-20,000 Hz + 0.5 dB, -2.5 dB; THD 0.4% at 1,000 Hz; SN 70 dB (mono), 64 dB (stereo); IHF sens 11.2 dBf. 16 7/8 x 2 7/8 x 10 in; 6 lb ..... \$99

## ONKYO

### Grand Integra T-G10 FM Tuner

20 presets. Features auto/manual reception-optimization system to select A/B antenna, RF (local/distance), IF bandwidth (wide/narrow/S-narrow), high-blend, and mono/stereo; chassis damping; battery-free memory backup. Dual antenna inputs. Preset scan; FM fine tuning; timer; Onkyo RI-system control compatibility; remote control. Wood side panels \$850

# TUNERS

## Integra T-9090II FM Tuner

20 presets. Features auto/manual reception-optimization system to select AB antenna, RF (local/distance), IF bandwidth (wide/narrow/S-narrow), high-blend, and mono/stereo. Dual antenna inputs. Preset scan; strongest-station memory; digital display and signal-strength meter; timer programming; FM fine tuning; remote control. Wood side panels . . . \$750

## Integra T-4700 AM/FM Tuner

40 AM FM presets. Features auto reception-optimization system with manual override; 7-varactor/MOSFET RF section; Isohex power supply; battery-free memory backup. Dual antenna inputs; variable output. 6 preset groups with programmable alphanumeric labeling; full/category preset scan; FM fine tuning in 25- or 50-kHz steps; Onkyo RI-system control compatibility; remote control . . . \$450

## Integra T-407 AM/FM Tuner

40 AM FM presets. Features auto reception-optimization system with manual override; 5-varactor/MOSFET RF section; Isohex power supply; front-end design to minimize IM; built-in AM loop antenna; battery-free memory backup. 8 preset groups; FM fine tuning in 25- or 50-kHz steps; direct access tuning; switchable tuning level and mute; 10-segment signal-strength meter; 6-digit frequency display; Onkyo RI-system control compatibility . . . \$350

## T-404 AM/FM Tuner

40 AM FM presets. Features auto reception-optimization system; metal-oxide semiconductor FET front end; built-in AM loop antenna; battery-free memory backup. 6 preset groups; direct station access; auto scan; 5-digit frequency display; Onkyo RI-system control compatibility . . . \$200

## PARASOUND

### T/DQ-2000 II AM/FM Tuner

PLL design with 20 AM FM presets. Features regulated power supply. Scan/manual tuning; mono switch; remote control. FM: 50-dB quieting sens 36.9 dB; alt-ch sel 84 dB; THD 0.05% mono, 0.1% stereo; FR 20-15,000 Hz  $\pm$  0.5 dB; cap ratio 1.2 dB. 19 x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in . . . \$525

### T/DQ-260 II AM/FM Tuner

Quartz-referenced, digital-synthesis tuner with 8 AM/8 FM presets. Regulated power supply; PLL tuner. Scan/manual tuning; mono switch. FM: 50-dB quieting sensitivity 37.7 dB; alternate-channel sel 66 dB; total harmonic distortion 0.05% mono, 0.1% stereo; frequency response 20-15,000 Hz  $\pm$  0.5 dB; capture ratio 1.2 dB. 17 $\frac{1}{4}$  x 2 $\frac{1}{2}$  x 9 $\frac{1}{2}$  in . . . \$295

## PHILIPS

### FT-920 AM FM Tuner

30 AM FM presets. Features direct access by preset or frequency. Local/DX switch; station name display . . . \$240

## PIONEER

*The following feature digital processing combined with direct conversion of FM signals to left and right channels.*

### F-449 AM/FM Tuner

36 AM/FM presets. Features selectable normal/narrow FM IF bandwidth; RF attenuator. 3-speed search; 8-segment signal-strength meter; FL display; SR-system remote-control compatibility. FM: 50-dB quieting sens 16.2 dB mono, 36.2 dB stereo; S/N (at 80 dB) 83 dB mono, 78 dB stereo; FR 30-15,000 Hz  $\pm$  1 dB; ch sep 50 dB at 1,000 Hz. AM: S/N 50 dB. 16 $\frac{1}{2}$  x 3 $\frac{3}{8}$  x 12 $\frac{1}{2}$  in; 7.8 lb . . . \$270

### Elite Series

### F-93 AM/FM Tuner

40 AM/FM presets. Features switchable normal/narrow FM IF bandwidth; MPX NR. Variable/fixed output.

Direct station access; fine tuning in 10-kHz FM and 1-kHz AM steps; FL signal-strength meter; RF attenuator; preset scan. FM: 50-dB quieting sens 15.9 dB mono, 36.2 dB stereo; S/N (at 80 dB) 96 dB mono, 88 dB stereo; FR 20-15,000 Hz  $\pm$  0.2, -0.8 dB; ch sep 60 dB at 1,000 Hz. AM: S/N 50 dB. 18 x 4 $\frac{1}{8}$  x 13 $\frac{1}{8}$  in; 14.3 lb . . . \$900

### F-51 AM/FM Tuner

36 AM FM presets. Features MPX NR; switchable normal/narrow FM IF bandwidth. Simulated-stereo mode. FM: 50-dB quieting sens 16.2 dB mono, 36.2 dB stereo; S/N (at 80 dB) 83 dB mono, 78 dB stereo; FR 20-15,000 Hz  $\pm$  0.4, -1 dB; ch sep 55 dB at 1,000 Hz. AM: S/N 50 dB. 16 $\frac{5}{8}$  x 3 $\frac{3}{8}$  x 12 $\frac{1}{2}$  in; 7.5 lb . . . \$350

## PROTON

### AT-670 AM/FM Tuner

Quartz PLL tuner with 9 AM/18 FM presets. Features Schott II circuitry with NR; 5-gang GASFET RF amp. Variable output level; mono/stereo switch; wide/narrow IF bandwidth switch; auto/manual rotary tuning. Remote compatible. FM: 50-dB quieting sens 30  $\mu$ V stereo; cap ratio 1 dB; AM rej 65 dB; S/N at 45 dB 74 dBA stereo; ch sep 45 dB at 1,000 Hz. AM: ch sel 50 dB; S/N 45 dB. 18 $\frac{1}{2}$  x 4 $\frac{3}{8}$  x 15 $\frac{1}{8}$  in; 15.5 lb . . . \$400

### AT-470 AM/FM Tuner

8 AM/8 FM presets. Mono switch . . . \$220

## QUAD

### Model 66 FM Tuner

19 presets. Designed for use with Model 66 preamp. Features auto search in 25- or 50-kHz steps; LCD. 50-dB quieting sens 28 dB; cap ratio 1.5 dB; S/N 76 dB; AM rej 65 dB; image rej 100 dB; THD 0.05% mono, 0.10% stereo . . . \$1,200

### FM4 FM Tuner

8 presets. Designed for use with Quad 34 preamp. Features microprocessor control; center-channel tuning; signal-strength meter; backup for 5 presets. Distortion 0.05% mono, 0.1% stereo; cap ratio 2.5 dB; FR 20-15,000 Hz  $\pm$  0, -1 dB; crosstalk 40 dB at 1 kHz; pilot-tone suppression 60 dB; de-emphasis switchable 50/75  $\mu$ s. Anthracite gray finish. 8 x 1 $\frac{1}{8}$  x 5 $\frac{1}{8}$  in; 6 lb . . . \$849

## REALISTIC BY RADIO SHACK

### TM-150 AM/FM Tuner

PLL design. Features built-in AM and FM antennas. FM-antenna output. Mono/stereo switch; FM-stereo LED indicator; illuminated tuning dial . . . \$60

## ROTEL

### RT970BX AM/FM Tuner

16 AM FM presets. Features RF attenuation; AM and FM bandwidth selectivity; high-blend circuitry; digital signal-strength display. FM: usable sens 10.8 dB mono, S/N (at 65 dB) 80 dB mono, 75 dB stereo; cap ratio 1 dB; alt-ch sel 60 dB wide, 80 dB narrow; THD 0.06% mono, 0.2% stereo; 50-dB quieting sens 14.8 dB mono, 37.2 dB stereo. 17 $\frac{3}{8}$  x 2 $\frac{7}{8}$  x 13 in . . . \$400

### RT950BX AM/FM Tuner

20 AM/FM presets. Features AM wideband reception; mono switch; signal-strength indicator. FM: usable sens 10.8 dB mono; S/N (at 65 dB) 80 dB mono, 75 dB stereo at 65 dB; cap ratio 1 dB; alt-ch sel 63 dB; THD 0.07% mono, 0.25% stereo at 65 dB and 1,000 Hz; 50-dB quieting sens 14.8 dB mono, 37.2 dB stereo. 17 $\frac{3}{8}$  x 2 $\frac{7}{8}$  x 11 $\frac{1}{4}$  in; 7.9 lb . . . \$300

## SANSUI

### TU-X317 AM/FM Tuner

Quartz-PLL digital-synthesis design with 20 AM FM presets. Features preset scan; last-station memory; mute; FL display. FM: 50-dB quieting sens 14 dB mono, 36 dB stereo; cap ratio 1 dB; S/N 80 dB mono, 74 dB stereo . . . \$199

## SONY

### ES Series

*The following feature direct-comparator circuitry, switchable wide/narrow IF bandwidth, a high-blend circuit, a coaxial FM-antenna input, and remote-control compatibility with other Sony components.*

### ST-S730ES AM/FM Tuner

Diode-activated frequency-synthesis design with 30 AM/FM presets. Features tracking of FM-transmission modulation by shifting narrow band-pass filter for low interference; PLL detector; antenna attenuator to prevent front-end overload; optically-sensed rotary tuning. Calibration tone; timer capability with external timer. S/N 100 dB mono, 92 dB stereo; THD 0.004% mono, 0.0075% stereo; 50-dB quieting sens 16.8 dB mono, 37.9 dB stereo; ch sep 70 dB at 1,000 Hz; FR 15-15,000 Hz  $\pm$  0.2 dB; cap ratio 1 dB (wide IF); IF rej 120 dB. Simulated-wood side panels. 18 $\frac{1}{2}$  x 3 $\frac{3}{8}$  x 14 $\frac{3}{4}$  in; 14 lb . . . \$550

### ST-S550ES AM/FM Tuner

30 AM FM presets. Features switchable antenna attenuator. Alphanumeric preset labeling; interstation muting. Signal-to-noise ratio 82 dB mono, 78 dB stereo; total harmonic distortion (normal IF) 0.06% mono, 0.08% stereo; total harmonic distortion (wide IF) 0.04% mono, 0.05% stereo; 50-dB quieting sens 16.8 dB mono, 38.5 dB stereo; channel sep 65 dB at 1,000 Hz (wide IF); FR 15-15,000 Hz  $\pm$  0.2 dB mono, 15-15,000 Hz  $\pm$  0.5 dB stereo; capture ratio 1 dB. wide IF; IF rej 70 dB. 3-yr limited warranty. 18 $\frac{5}{8}$  x 3 $\frac{3}{8}$  x 14 $\frac{1}{4}$  in; 8.9 lb. Simulated-wood side panels . . . \$300

## SOUNDSTREAM

### T-1 AM/FM Tuner

16 AM FM presets. Features defeatable blend circuit; separate audio and switching power supplies. Fine tuning in 50 kHz steps; flywheel-assisted manual tuning knob for fine adjustment; auto search; signal-strength indicator. FM: 50-dB quieting sens 14.8 dB; AM rej 60 dB; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N 82 dB mono, 79 dB stereo; THD 0.12% mono, 0.2% stereo . . . \$595

## TEAC

### T-X3000 AM/FM Tuner

Quartz-PLL design with 20 AM/FM presets. Features MPX filter. FM auto stereo/mono switch; MPX switch; FL display; preset scan; seek tuning. FM: 50-dB quieting sens 17 dB mono, 39.2 dB stereo; AM rej 65 dB; cap ratio 1.7 dB; FR 20-15,000 Hz  $\pm$  1, -2 dB; alt-ch sel 68 dB; ch sep 40 dB at 1,000 Hz; S/N (at 65 dB) 1,000 Hz) 80 dB mono, 72 dB stereo; distortion at 65 dB 0.2% mono, 0.4% stereo. AM: sel 25 dB; distortion 0.5%; S/N 50 dB at 85 dB m. 17 $\frac{3}{8}$  x 3 $\frac{3}{4}$  x 11 in; 6.4 lb . . . \$220

## TECHNICS

### ST-G460 AM/FM Tuner

Quartz-synthesis design with 39 AM FM presets. DC circuit construction; DC linear switching MPX filter; wide-band quadrature detector. FL display; FM-mode switch. FM: 50-dB quieting sens 38.1 dB stereo; AM rej 55 dB; cap ratio 1 dB; alt-ch sel 65 dB; THD 0.1% stereo; S/N 73 dB stereo; ch sep 50 dB at 1,000 Hz . . . \$240

## YAMAHA

### TX-2000 AM/FM Tuner

24 presets. Computer servo lock tuning; digital fine tuning. RS-system-compatible remote control . . . \$479

### TX-950 AM/FM Tuner

Auto selection of PLL synthesis or FM voltage-servo tuning; 40 presets. Features labeling for up to 24 presets; mono switch; optional RS-system-compatible remote control . . . \$399

TX-550. As above, PLL tuning only . . . \$349

TX-350. As above, no station labeling . . . \$199

**BANG & OLUFSEN**

The following feature an electronically controlled tangential tonearm and auto play-speed selection. Cartridges are not included.

**Beogram 7000 Automatic Turntable**

Suspended subchassis. Integrates with Beosystem 7000. Features integral RIAA preamplifier for line-level output. Polished-aluminum or white finish. 33 1/3 and 45 rpm play speeds. w&F 0.03% wrms; FR 20-20,000 Hz ±1 dB; S/N 80 dB; speed deviation ±0.2%; rumble 80 dB DIN wtd. 16 1/2 x 3 x 12 3/4 in; 18.4 lb. \$500

**Beogram 4500 Automatic Turntable**

3-point leaf-spring suspension. Integrates with Beosystem 4500. Features RIAA integral preamplifier for line-level output. 33 1/3 and 45 rpm play speeds. w&F 0.03% wrms; FR 20-20,000 Hz ±1 dB; S/N 80 dB; speed deviation ±0.2%; rumble 80 dB DIN wtd. Polished-aluminum finish with white trim. 16 1/2 x 3 x 12 3/4 in; 9.9 lb. \$500  
**WB 4500 BG.** Wall bracket for above \$50

**Beogram 9500 Automatic Turntable**

Integrates with Beosystem 9500. 33 1/3 and 45 rpm play speeds. w&F 0.03% wrms; speed deviation ±0.2%; rumble 80 dB DIN wtd. Polished-aluminum finish with white trim. 16 1/2 x 3 x 12 3/4 in; 9.9 lb. \$450

**Beogram TX-2 Automatic Turntable**

Belt drive. Features fixed headshell. 33 1/3 and 45 rpm speeds. Recommended tracking force 1-1.5 g; w&F 0.03% DIN; rumble 80 dB DIN wtd. 16 1/2 x 3 x 12 3/4 in; 11.6 lb. \$400

**BASIS**

**Debut Gold Vacuum Turntable**

Belt drive with 4-point, fluid-damped suspension. Vacuum mechanism for warped records; 2-in acrylic subchassis; oil-well bearing with platter center of gravity below upper bushing; 28-lb, high-speed computer balanced acrylic lead platter; 8-lb damped acrylic lead armboard. Precise vacuum pump levels are controlled by rotary dial factory rebuildable pump. Includes Interface cable and 40 feet of tubing. 33 1/3 and 45 rpm speeds. \$8,900  
**Debut Gold Standard.** As above, no vacuum feature \$6,900  
 Retrofit Debut Gold Standard with vacuum mechanism \$2,600

**Ovation Manual Turntable**

Belt drive with 4-point, fluid-damped suspension. 2-in acrylic subchassis; acrylic platter and armboard, both heavily damped with lead; AC motor. 33 1/3 and 45 rpm play speeds. 75 lb. \$4,395

**DENON**

**DP-59L Semiautomatic Turntable**

Direct drive. Features AC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; polished wood base; dust cover; shock isolated feet. Digital speed control of ±9.9% in 0.1% increments; LCD panel. 33 1/3 and 45 rpm play speeds. Speed accuracy 0.002%; wow-and-flutter 0.006%; signal-to-noise ratio 82 dB \$695

**DP-47F Automatic Turntable**

Linear direct drive. Features auto record-size and speed selection; DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; polished wood base; dust cover; shock isolated feet. 33 1/3 and 45 rpm speeds. Speed accuracy 0.002%; w&F 0.01%; S/N 78 dB \$450

**DP-23F Automatic Turntable**

Linear direct drive. Features DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; black finish base; clear dust cover. 33 1/3 and 45 rpm speeds. Speed accuracy 0.002%; w&F 0.02%; S/N 75 dB \$275



**DP-7F Automatic Turntable**

Linear direct drive. Features P-mount cartridge; DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; black finish base; clear dust cover. 33 1/3 and 45 rpm speeds. Speed accuracy 0.01%; w&F 0.018%; S/N 75 dB \$200

**DUAL**

**Golden-1 Semiautomatic Turntable**

Features 24-karat gold-plated metal components; gyroscopic gimbal tonearm with low-mass tracking and high-precision torsion spring; tonearm optimization for MC systems; floating chassis; vibration-damped aluminum platter with anti-resonance mat; quartz-controlled motor with microprocessor-controlled speed; viscosity-damped cueing control; contact-free power-off switching with tonearm lifting; record stabilizer. detachable headshell. Adjustable tracking and anti-skating forces. 33 1/3, 45, and 78 rpm speeds. S/N 80 dB; w&F 0.013%. Wood case with black piano-lacquer finish \$1,195

**CS-750S Semiautomatic Turntable**

Belt drive. Features microprocessor-controlled quartz drive mechanism; aluminum tonearm. 33 1/3, 45, and 78 rpm speeds. S/N 80 dB; w&F 0.014 wrms. Cartridge not included \$750

**CS-5054S Semiautomatic Turntable**

Belt drive. Features dynamically-balanced gimbal-mounted tonearm; DC motor with electronic speed

control; floating subchassis; vibration-damped aluminum platter with antiresonance mat; solid wood console; viscosity-damped cueing control; detachable headshell. 33 1/3 and 45 rpm speeds. S/N 75 dB; w&F 0.035%. Cartridge not included \$520  
 With DN158E cartridge \$605

**CS-450G Semiautomatic Turntable**

Belt drive. Features dynamically-balanced gimbal-mounted tonearm; DC motor with electronic speed control; floating subchassis; vibration-damped aluminum platter with antiresonance mat; solid wood console; viscosity-damped cueing control; detachable headshell. 33 1/3 and 45 rpm speeds. S/N 72 dB; w&F 0.04%. Optional gold or silver finish on all metal parts. Cartridge not included \$375  
 With DMS251E cartridge \$415

**CS-431S Semiautomatic Turntable**

Belt drive. Features weight-balanced low-mass tonearm; floating chassis; aluminum platter with antiresonance mat; DC motor with electronic speed control; solid wood console; viscosity-damped cue control. Adjustable tracking and anti-skating forces; pitch control. 33 1/3 and 45 rpm speeds. S/N 65 dB; w&F 0.07%. Cartridge not included \$270  
 With DMS251S cartridge \$320

**ESOTERIC SOUND**

**Osiris Semiautomatic Turntable**

Belt drive. Features brushless DC-servo motor; static-balanced tonearm; sapphire platter thrust bearing; 3-point mounting. Cue lever; pitch control. 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.04%; rumble 80 dB; min tracking force 3 g; pitch control ±7%. 2-yr warranty. 20 1/4 x 16 1/2 x 7 1/2 in. \$1,225

**V-3 Manual Turntable**

Direct drive. Features brushless DC motor; solenoid platter brake; XLR lamp outlet. Cue lever and motor switch; pitch control; dust cover. 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.025%; rumble 60 dB; min tracking force 1.25 g; pitch control ±8%. 17 3/4 x 13 3/4 x 6 in. \$475  
**V-3b.** As above, separate power supply \$525

**V-2 Manual Turntable**

Direct drive. Features brushless DC motor; solenoid platter brake; XLR lamp outlet. Cue lever and motor start switch; adjustable tracking and antiskating force; dust cover. 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.025%; rumble 57 dB; min



Basis Debut Gold Vacuum

# T U R N T A B L E S

tracking force 1.5 g; pitch control  $\pm 10\%$ . 16½ x 13¾ x 4½ in ..... \$375  
**Isis.** As above, with continuously variable speed control from 60-130 rpm and vertical/lateral switch ..... \$420

## Vintage Semiautomatic Turntable

Belt drive. Features dc motor; P-mount cartridge. 33½, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.045%; rumble 70 dB; pitch control  $\pm 8\%$ . 17 x 13¾ x 3¾ in ..... \$265

## RA-6 Semiautomatic Turntable

Belt drive. Features dc motor; phono cartridge; stylus for LP and 78; auto return. Cue lever and motor start switch; dust cover. 33½, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.045%; rumble 55 dB; min tracking force 2 g; pitch control  $\pm 7\%$  ..... \$200

## FISHER

### MT9020 Semiautomatic Turntable

Belt drive. Features straight tonearm; dc-servo motor; auto tonearm return and shut-off; viscous-damped cueing; magnetic cartridge. 33½ and 45 rpm speeds. w&F 0.065%; rumble 70 dB; tracking error  $\pm 1.8^\circ$ . 17½ x 4½ x 13¾ in; 6.3 lb ..... \$130

## HEYBROOK BY D'ASCANIO AUDIO

### TT-3 Series II Manual Turntable

Belt drive with adjustable 3-point cast-aluminum spring-suspension. Features on-board power supply; low-speed synchro motor; 2-piece platter. Removable armboard. Tonearm not included. 33½ and 45 rpm speeds. w&F 1% DIN peak wtd; rumble -73 dB wtd DIN-B. 17½ x 6¼ x 14¼ in; 26 lb ..... \$898

## J.A. MICHELL

### Gyrodec MkIII Manual Turntable

Belt drive with 3-point suspension. Features 2 ground belts; torque Papst motor; black acrylic concave platter containing graphite and vinyl; record clamp and machine armboard for tonearm; acrylic base; inverted oil pump; cast aluminum chassis; 6 gold-plated-brass weights for gyroscopic effect; clear acrylic dust cover. 33 and 45 rpm speeds. w&F 0.05%; rumble 80 dB. 5-yr warranty. Available in clear or black base. 20 x 6 x 16 in; 42 lb ..... \$1,795  
**LE Version.** As above with clear base, black chassis, gold anodized motor, armboard, and spring caps ..... \$1,995

### Syncro MkIII Manual Turntable

Belt drive with 3-point suspension. Features ac-synchronous motor; glass platter; cast-aluminum chassis; clear acrylic base; dust cover; built-in tonearm cable clamp; Rega RB3000 tonearm. 33 and 45 rpm speeds. w&F 0.05%; rumble 77 dB. 5-yr warranty. 18 x 5 x 13 in; 21 lb ..... \$1,350  
**Micro Version.** As above, with black acrylic platter ..... \$1,450

## JVC

### AL-A155TN Semiautomatic Turntable

Belt drive. Features low-mass statically balanced straight tonearm with low-center-of-gravity support; dc-servo motor; die-cast-aluminum platter; arm-cueing control; plug-in cartridge connectors. w&F 0.04%; sN 65 dB; effective length 220 mm; overhang 15 mm; applicable tracking force 1.25 g. Cartridge not included. 17¼ x 4¼ x 14¼ in; 7 lb ..... \$100

## KENWOOD

### KD-491FC Automatic Turntable

Belt drive. Features T-4P cartridge. Manual cueing lever; system remote compatible. Includes 45-rpm adaptor and acrylic dust cover. 9 lb ..... \$130

### KD-291RC Semiautomatic Turntable

Belt drive. Features manual cueing lever. Includes 45-rpm adaptor and acrylic dust cover. 8 lb ..... \$80



Fisher MT9020

## LINN

### LP12/Lingo Turntable

Separate direct-coupled isolated power supply. Low-noise oscillators; separate drive for both motor phases. 33 and 45 rpm speeds ..... \$2,545

### LP12/Valhalla Manual Turntable

Belt drive. Features 24-pole synchronous motor; 12-in zinc-aluminum alloy die-cast platter with felt mat; hardened-tool steel spindle; adjustable 3-point spring-suspension; heavy-gauge stainless-steel base plate; solid hardwood base; optional 45-rpm adaptor. w&F 0.04% wrms; rumble -60 dB; speed accuracy  $\pm 0.04\%$ . 17½ x 5½ x 14 in ..... \$1,595

### Axis Manual Turntable

Belt drive with pivoted Akito arm. 33½- and 45-rpm speeds. Speed accuracy 0.1%; w&F 0.05%; rumble 75 dB. Effective tonearm length 284 mm ..... \$995

## MERRILL AUDIO

### KT-1 Manual Turntable

Belt drive with 3-point suspension system. Features cast-acrylic subchassis; integral tonearm mounting platform; oil-well bearing; 24-pole, line-synchronous, crystalline-polymer pulley; aluminum-resin sub-platter with threaded record spindle; 2-piece oversized platter; lead mat; ¾-in oak or walnut base; soft-vinyl dust cover. 33½ speed. w&F 0.1%. Tonearm not included. 18 x 3½ x 15 in; 22 lb ..... \$695  
 Anti-magnetic fluid-damped motor pod ..... \$160  
 Periphery record clamp ..... \$149  
 Screw-down center clamp ..... \$110  
 Outboard power supply to allow 45-rpm play ..... \$150  
 Hard dust cover ..... \$100  
**Heirloom II.** KT-1 with all options. Features constant-resonance tuning. Black-oak, natural-oak, or walnut finish. 19 x 8 x 15 in ..... \$1,995

## ONKYO

### CP-101A Semiautomatic Turntable

Belt drive. Features straight tonearm; die-cast aluminum platter; dc-servo motor. Includes cartridge and dust cover ..... \$160

## OPTIMUS BY RADIO SHACK

### LAB-2250 Automatic Turntable

Belt drive. Features linear-tracking tonearm; die-cast-aluminum platter; power-failure protection; cartridge with elliptical diamond stylus. Cue button. 33½ and 45 rpm speeds. w&F 0.1%; sN 55 dB; effective tonearm length 132 mm; FR 20-20,000 Hz; tracking force 2-3 g. 14¼ x 3¾ x 13¾ in; 8.6 lb ..... \$150

## ORACLE

The following turntables do not include a tonearm.

### Premiere MkIV Manual Turntable

Belt drive. Power-drive module; variable speed control; adjustable spring-suspension system; record-

coupling system. Includes strobe disc. 33½ and 45 rpm speeds. Silver. 20 x 15 in; 33 lb ..... \$4,500  
**Premiere Silver/Gold.** 20 x 15 in; 43 lb ..... \$5,400  
**Premiere Black/Gold.** Limited edition ..... \$5,800

### Delphi MkIV Manual Turntable

Belt drive. Pitch control; adjustable spring-suspension; record-coupling system. Includes strobe disc. 33½ and 45 rpm speeds. Silver. 19 x 14½ in; 28 lb ..... \$3,000  
**Delphi Black/Gold** ..... \$3,800  
**Turbo Power Supply** ..... \$450

### Alexandria MkIV Manual Turntable

Belt drive. Pitch control; adjustable spring suspension; record-coupling system. Includes strobe disc. 33½ and 45 rpm speeds. Black piano finish. 19¼ x 14¾ in; 19 lb ..... \$1,700

### Paris Manual Turntable

Belt drive. Pitch control; record-coupling system; 4-point suspension. Includes strobe disc. 33½ and 45 rpm speeds. White piano finish. 14½ x 19 in; 15 lb ..... \$1,400  
**Paris Black.** Piano finish ..... \$1,400

## PINK TRIANGLE

### Anniversary Edition Turntable

Belt drive. Features inverted sapphire bearing system with machined solid-acrylic platter; spring-suspended subchassis made of non-resonant aerolam. dc-servo power supply. Solid hardwood base of natural or black ash. Top plate smoked mirror glass. 33½ and 45 rpm speeds. w&F 0.05%; speed error 0.05% ..... \$3,995

### Export Turntable

Belt drive. Features inverted sapphire bearing system with machined solid-acrylic platter; ac-synchronous clock motor and integrated power supply. 33½ and 45 rpm speeds. Rumble -72 dB. Black acrylic top plate ..... \$1,995

### LPT Turntable

Belt drive with industrial suspension. Features machined solid-acrylic platter; Medite sub-chassis; non-inverted jewel bearing. Black ash base. 33½ and 45 rpm speeds. Wow-and-flutter 0.05%; rumble -72 dB ..... \$1,199

## PIONEER

### PL-600 Automatic Turntable

Belt drive. Features dc-servo motor; statically balanced straight tonearm; universal-type MM cartridge with 0.6-ml diamond stylus. Cue control. 33½ and 45 rpm speeds. w&F 0.06%; sN 68 dB; overhang ¾ in; effective arm length 8¾ in ..... \$140

### PL-203AZ Semiautomatic Turntable

Belt drive. Features stable-hanging rotor; low-mass straight tone arm. Includes cartridge. w&F 0.07%; sN 68 dB. 19½ x 5½ x 16½ in; 5.5 lb ..... \$95  
**PN-240.** Replacement stylus for above or PL-600\$25



**Elite Series**

**PL-90 Automatic Turntable**

Direct drive. Features coreless, quartz-PLL DC-servo motor with stable hanging rotor; straight tonearm made of aluminum and ceramics; dynamic resonance absorption in tonearm. 33 1/3 and 45 rpm speeds. Wow-and-flutter 0.018%; signal-to-noise ratio 85 dB; effective arm length 11 1/8 in; overhang 13.5 mm; recommended cartridge weight 2.4-12 g. 23 1/2 x 8 1/2 x 17 1/8 in; 38.1 lb \$950

**REALISTIC BY RADIO SHACK**

**LAB-340 Semiautomatic Turntable**

Belt drive. Features straight tonearm; dual-moving-magnet cartridge with 0.6-mil diamond stylus; die-cast aluminum platter. w&F 0.15%; tracking error +3°, -1°; SN 45 dB; rec tracking force 2.5 g; effective tonearm length 203 mm \$100

**REVOLVER**

**Revolver Super Turntable**

Split-plinth belt-drive design. Features glass-filled polyphenylene platter; record clamp; anti-static mat. Redwood veneer \$950  
Black ash veneer \$875

**Revolver Turntable**

Split-plinth belt-drive design. Features medium-density fiberboard platter; AC-synchronous motor; 3 non-adjustable feet; record clamp; anti-static mat; revolver tonearm. Redwood veneer finish \$670  
Black-ash veneer \$595

**Revolver Rebel Turntable**

Includes tonearm and Goldring Elan cartridge. Black-lacquer finish \$449

**SONY**

**PS-LX120D Semiautomatic Turntable**

Belt drive. Features low-mass tonearm; servo control motor; P-mount cartridge \$95

**SOTA**

All SOTA turntables are belt driven and run at 33 1/3 and 45 rpm. All models, except COMET, do not include tonearm, tonearm mounting board, or dust cover, and measure 7 1/2 x 20 1/4 x 16 1/2 in.

**Cosmos Turntable**

Features inverted sapphire bearing, 12-lb vacuum platter with spring suspension/isolation system. AC-stepper motor and synthesized sign-wave drive. Pitch control; electronic speed change; flywheel filtering. Includes Reflex Clamp. w&F 0.03%; rumble -87 dB. Fountainhead cabinet for turntable and pump/power supply. High-gloss black. 20 lb (pump), 60 lb (turntable) \$4,600  
Black/gray matrix or white \$4,000

**Nova.** As Cosmos, with multilayer 22-lb wood/aluminum and lead sub-assembly. Wood cabinet. Rosewood or ebony. 12 lb (pump); 50 lb (turntable) \$2,900  
**Light/dark/black oak or satin black** \$2,600  
**Star.** As Nova with Star vacuum platter, acrylic mat and self-sensing pump/power supply. Rosewood or ebony. 50 lb (turntable), 12 lb (pump) \$1,950  
**Light/dark/black oak or satin black** \$2,250  
**Sapphire.** As Star, without vacuum pump and Reflex Clamp. Rosewood or ebony. 50 lb \$1,400  
**Light/dark/black oak or satin black** \$1,700  
**Jewel.** As Sapphire, static elastic suspension isolation system. Light/dark/black oak or satin black. 35 lb \$995

**Satellite Turntable**

Resonance-free polymer platter; AC-synchronous motor; static elastic suspension/isolation system. Includes tonearm and dust cover. w&F 0.1%; rumble -65 dB. Oak or satin black; 25 lb \$595  
**Comet.** As above, monolithic gloss-black acrylic cabinet. 6 x 18 1/2 x 14 in; 20 lb \$550

**Turntable Accessories and Options**

Dust cover for Cosmos \$250  
Dust cover for Nova, Star, Sapphire, Jewel, Satellite \$125  
Pre-cut Cosmos armboard \$250  
Pre-cut composite armboard \$135  
Pre-cut wooden armboard \$50  
Reflex Record Clamp (included on all vacuum turntables) \$135  
Spike feet set for all except Comet \$60

**TECHNICS**

**SL-1200 MkII Manual Turntable**

Direct drive with antiresonant viscoelastic base. Gimbal-suspended tonearm; quartz control; brushless DC motor; aluminum die-cast cabinet. ±8% quartz-locked pitch control; quick start/stop; pop-up stylus light; tonearm-height adjustment. 33 1/3 and 45 rpm speeds. w&F 0.025% \$500

**SL-QD33 Automatic Turntable**

Direct drive. P-mount cartridge; 2-motor design; quartz lock; ultra-low-speed brushless DC motor for platter; pivoting arm. Strobe light; soft-touch front-panel controls; remote-control compatibility with select Technics receivers. 33 1/3 and 45 rpm. w&F 0.012%; rumble -78 dB; effective tonearm mass 7.5 g, length 9 1/4 in. 17 x 4 1/2 x 14 3/4 in; 10 lb \$220

**SL-DD22 Semiautomatic Turntable**

Direct drive. Features P-mount cartridge; 2-motor design; PLL quartz lock; low-speed DC brushless motor. Pivoting arm, strobe light, front-panel electronic soft-touch controls. 33 1/3 and 45 rpm speeds. w&F 0.012%; rumble -78 dB; effective tonearm mass 7.5 g, length 9 1/4 in. 17 x 4 1/2 x 14 3/4 in; 10 lb \$180

**SL-BD22 Semiautomatic Turntable**

Belt drive with vibration-isolation base. Die-cast aluminum gimbal pivot tonearm; P-mount cartridge. Front-panel cueing control. 33 1/3 and 45 rpm speeds. w&F 0.45%; rumble -70 dB (DIN B); effective tonearm mass 7.5 g, length 9 1/4 in. 17 x 4 1/2 x 14 3/4 in; 8 lb \$140

**SL-BD20A Semiautomatic Turntable**

Belt drive with vibration-absorbing base. Gimbal-suspension tonearm; P-mount cartridge; DC-servo motor. Hinged detachable dust cover; 45-rpm adaptor. 33 1/3 and 45 rpm speeds. w&F 0.045% ± 0.06%; rumble -70 dB; tracking error angle +0 × 32° (inner groove), +2 × 32° (outer groove); tracking force 1.25 g; effective tonearm mass 13.5 g; cartridge weight 6 g. 17 x 3 5/8 x 14 3/4 in; 8 lb \$130

**THORENS**

The following feature a straight tubular tonearm, gimbal suspension, an antiskate control, and a 9.12-in effective tonearm length.

**TD 520 Semiautomatic Turntable**

Belt drive. Features electronic speed selection; ±6% pitch control; stroboscope; velocity-sensing auto shut-off trigger; frictionless magnetic antiskating; twin solid-core chassis and 3-point leaf-spring suspension. 33 1/3, 45, and 78 rpm speeds. w&F 0.035%; rumble -72 dB unweighted \$1,450  
**TD 521.** As above, without tonearm \$1,100

**TD 320 MkIII Semiautomatic Turntable**

Belt drive. Features 16-pole synchronous motor; twin solid-core chassis and 3-point leaf-spring suspension; friction-free velocity sensing auto shut-off triggering. 33 1/3 and 45 rpm speeds. w&F 0.35%. 17 3/8 x 6 3/4 x 13 1/8 in \$775  
**TD 321.** As above, without arm \$550

**TD 318 MkIII Semiautomatic Turntable**

Belt drive. Features 16-pole synchronous motor; twin solid-core chassis; 3-point leaf-spring suspension; frictionless velocity-sensing auto shut-off trigger. 33 1/3 and 45 rpm speeds. w&F 0.04%. 17 x 6 x 14 in \$600

**TD 290 Semiautomatic Turntable**

Belt drive. Dynamically balanced, zinc-alloy platter. Auto shut-off; detachable headshell. 33 1/3 and 45 rpm play speeds. 17 x 5 1/4 x 14 in; 14.3 lb \$490

**TD 280c MkIII Semiautomatic Turntable**

Belt drive. Features 24-pole synchronous motor; 1-piece solid-core chassis and spring damping elements in feet; frictionless velocity-sensing auto shut-off trigger. 33 1/3 and 45 rpm speeds. w&F 0.045%. Includes factory-mounted Ortofon OMB-10 cartridge. 17 x 5 3/8 x 14 in \$400  
**TD 280 MkIII.** As above, without Ortofon cartridge \$375

**TD 180 Semiautomatic Turntable**

Belt drive. Features synchronous motor; auto shut-off and retract. Includes Stanton 500 cartridge and TP-20 tonearm. 33 1/3, 45, and 78 rpm speeds \$400

**VOYD**

**Voyd Reference Turntable**

Belt drive. Cont variable speed. 33 1/3 rpm. w&F 0.0001%; rumble 90 dB; speed accuracy ± 0.001% \$12,000  
**Voyd .5.** As above. w&F 0.001% \$6,600

**Voyd Turntable**

Belt drive. 33 1/3 and 45 rpm speeds. w&F 0.01%, rumble 85 dB; speed accuracy ± 0.01%. 20 1/2 x 17 x 7 in \$3,200

**Valdi Turntable**

Belt drive. 33 1/3 and 45 rpm speeds. w&F 0.01% rumble 80 dB; speed accuracy ± 0.01%. 18 x 14 x 6 in \$2,000

**VPI**

**TNT Series 2 Turntable**

Belt drive. Fixed cartridge mount. Continuous variable speed. w&F 0.02%; rumble 86 dB; speed accuracy 0.01%. 21 x 19 x 8 in \$3,500

**HW-19JR Plus.** As above, with 33 1/3 and 45 rpm speeds. w&F 0.03%; rumble 81 dB; speed accuracy 0.03%. 21 1/4 x 16 1/2 x 7 in \$1,800

**HW-19 MkIV.** As above, with 0.05% speed accuracy \$1,800

**HW-19 MkIII.** As above, with rumble 79 dB \$1,200

**HW-19JR.** As above, with 21 1/4 x 16 1/2 x 6 in \$600

**WELL TEMPERED**

**The Well Tempered Classic Turntable**

Belt-drive with 0-clearance-bearing fluid-damped arm. Features 3-layer MDF base construction; vertical-tracking and azimuth controls; isolated, damped motor assembly. Fountainhead base \$3,370  
Classic arm and table, glossy finish \$2,195  
Classic arm and table, satin finish \$1,995  
Classic arm \$900  
Classic base only, glossy finish \$750  
Dust cover \$100  
Damped platter \$300

**The Well Tempered Record Player**

Belt-drive with 0-clearance-bearing fluid-damped arm. Features three-layer MDF base construction; vertical-tracking, antiskating and azimuth controls; isolated, damped motor assembly. Glossy finish \$1,195  
Dust cover \$100  
Damped platter \$400

**YAMAHA**

**TT-400U Automatic Turntable**

Belt drive. Features straight tonearm; dsc clamper; resonance-absorbing mat. RS-system compatibility \$239

**TT-300U Semiautomatic Turntable**

Belt drive. Features straight tonearm design; resonance-absorbing mat. EP adaptor \$189

# C A R T R I D G E S & T O N E A R M S

## ADCOM

### SXC van den Hul Moving-Coil Phono Cartridge

Van den Hul stylus. Features 3.5-micron contact radius; tubular sapphire aluminum cantilever; vertical groove extended to 85 microns; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz +3, -0 dB; tracking force 1.8 g; ch sep 20 dB from 200-20,000 Hz. 4.7 g ..... \$500

### XC-MR11 Moving-Coil Phono Cartridge

Nude-mounted square-shank stylus. Features thin-walled aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz  $\pm 1$  dB; ch sep 28 dB at 1,000 Hz; tracking force 1.8 g. 4.7 g ..... \$360

### XC-LT11 Moving-Coil Phono Cartridge

Line-trace stylus. Features thin-wall aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz,  $\pm 1$  dB; ch sep 28 dB at 1,000 Hz; tracking force 1.8 g; effective lip mass 0.35 mg. 4.7 g ..... \$290

### HC van den Hul II Moving-Coil Phono Cartridge

Van den Hul spherical stylus. Features thin-wall aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-15,000 Hz +1.5, -1 dB; 20-20,000 Hz +2.5, -1 dB; tracking force 2 g; 4.7 g ..... \$250

HC-E II. As above, with elliptical stylus ..... \$160

## AIRTANGENT

### Reference Tonearm

Air-bearing, parallel-tracking tonearm. Features interchangeable arm wand. Adjustable vertical tracking angle; remote cueing. Tracking force 0.5-5 g. Cartridge weight 4-20 g ..... \$12,900

### Model 1B Tonearm

Air-bearing, parallel-tracking tonearm. Features magnesium armlube; interchangeable arm wand. Adjustable vertical tracking angle; cueing. Tracking force 0.5-4 g. Cartridge weight 4-17 g ..... \$3,650

## ARCAM

Common specs include 4 mV output at 5 cm/sec; FR 20-20,000 Hz; tracking force 1.6-2 g; plastic body weight 6 g, magnesium weight 6.3 g. Available in magnesium or plastic-body.

P77Mg Cartridge. Profiled stylus ..... \$185

E77Mg Cartridge. Elliptical stylus ..... \$150

## ARGENT

### Diamond Moving-Coil Phono Cartridge

Parabolic nude diamond stylus. Features diamond cantilever; solid-sapphire mounting base; one-point suspension system with two-shoulder damper. Output 0.2 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 8 g ..... \$1,200

Replacement stylus ..... \$600

MC-110. As above, line-contact nude diamond stylus and titanium cantilever ..... \$300

Replacement stylus ..... \$150

### MC-500HR Moving-Coil Phono Cartridge

Hyper-elliptical ruby stylus. Features one-point suspension system with two-shoulder damper. Output 1.9 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 7 g ..... \$300

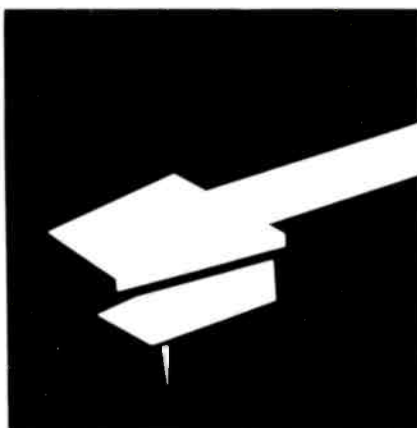
Replacement stylus ..... \$150

MC-500HS. As above, sapphire stylus ..... \$260

Replacement stylus ..... \$130

### MC-500H Moving-Coil Phono Cartridge

Parabolic nude diamond stylus. Features boron cantilever; one-point suspension system with two-shoulder damper. Output 1.9 mV at 5 cm/sec; FR 10-40,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force



1.8-2.2 g. Cartridge weight 7 g	..... \$200
Replacement stylus	..... \$100
MC-300. As MC-500H, output 0.1 mV	..... \$150
Replacement stylus	..... \$60
MC-310. As MC-500H, elliptical nude diamond stylus and aluminum cantilever. Output 0.1 mV at 5 cm/sec	..... \$100
Replacement stylus	..... \$40

## AUDIO BY VAN ALSTINE

### Longhorn Z Phono Cartridge

Internally damped, externally stabilized phono cartridge. FR 10-60,000 Hz; ch sep 30 dB; output 4 mV; tracking force 1.5 g ..... \$99

## AUDIO NOTE

### Lo-Signature Phono Cartridge

mc design with van den Hul stylus. Features gunmetal body; titanium cantilever; energized silver coils; separate constant-current power supply with tube rectification and SRPP output stage. Ch sep 44 dB at 1,000 Hz, 35 dB at 10,000 Hz; tracking force 1.8-3 g ..... \$7,500

Replacement stylus ..... \$2,750

Lo-LTD. As Lo-Signature, dc power supply ..... \$4,000

Replacement stylus ..... \$2,000

Lo-2. As Lo-Signature, without separate power supply ..... \$2,100

Replacement stylus ..... \$1,200

Lo-1. As Lo-Signature, with aluminum body and cantilever ..... \$1,650

Replacement stylus ..... \$1,000

### AN-2's Tonearm

Features pivoted, bimetallic self-damping arm with fixed cartridge mount. Silver wire and interconnects. Cueing; antiskating adjuster; adjustable vertical tracking angle. Tracking force 1-4 g; overall length 266.7 mm; pivot-to-stylus distance 254 mm; max tracking error 1.5°/in; cartridge weight 6-24 g; cable capacitance 500 pF; mounting-hole diameter 63.5 mm ..... \$3,395

AN-1/s. As AN-1/s, no 12-in armlube ..... \$2,395

AN-1/c. As AN-1/s, with copper interconnect ..... \$1,995

AN-0/s. As AN-1/s, with aluminum tube ..... \$1,395

AN-0/c. As AN-0/s, with copper interconnect ..... \$995

## AUDIOQUEST

### 7000-NSX Moving-Coil Phono Cartridge

Line-contact stylus. Solid-silver coil; nonresonant body geometry. Output 0.3 mV; tracking force 1.9 g. 9.5 g ..... \$1,595

### AQ B-200 Moving-Coil Phono Cartridge

Line-contact stylus. Machined-aluminum sandwich body; hollow-boron cantilever. Available with 1.2 mV or 0.5 mV output ..... \$995

### AQ 404i Moving-Coil Phono Cartridge

Line-contact stylus. Cast-aluminum body; hollow-bo-

ron cantilever. Available with 1.2 mV or 0.5 mV output ..... \$650

### AQ MC-5 Moving-Coil Phono Cartridge

Line-contact stylus. Nonresonant polymer body; aluminum cantilever. Output 1.4 mV; FR 20-30,000 Hz ..... \$395

### AQ MC-4 Moving-Coil Phono Cartridge

Elliptical stylus. Aluminum cantilever; nonresonant polymer body; direct-phono input. Output 2.5 mV; FR 20-20,000 Hz ..... \$275

### AQ MC-3 Moving-Coil Phono Cartridge

Elliptical stylus. Nonresonant polymer body; aluminum cantilever. Output 3 mV; FR 20-20,000 Hz; tracking force 2 g ..... \$175

### AQ M-1 Phono Cartridge

Elliptical stylus. Induced magnetic cartridge. FR 20-20,000 Hz; tracking force 1.5 g ..... \$99

## Tonearms

### AQ PT-7 Tonearm

Straight design. LC-OFHC wiring; precision bearing; nonresonant aluminum/polyolefin structure; nondetachable headshell; pure-copper/Teflon plug-in tonearm cable; pivot-to-stylus length 229 mm. Adjustable viscous damping at pivot point ..... \$495

AQ PT-6. As above, standard-grade plug-in cable ..... \$395

## AUDIO-TECHNICA

The following feature a dual-moving-magnet design.

### ATML170 Phono Cartridge

Nude-mounted square-shank stylus. Features paratoroidal PC-occ coils. Output 4 mV; tracking force 1.25 +3, -0 dB; FR 5-40,000 Hz; ch sep 31 dB at 1,000 Hz. 7 g ..... \$345

### AT440ML Phono Cartridge

Nude-mounted square-shank micro-linear stylus. Features paratoroidal PC-occ coils. Output 5 mV; tracking force 0.8-1.6 g; FR 5-32,000 Hz; ch sep 30 dB at 1,000 Hz. 6 g ..... \$195

### AT130E/T Phono Cartridge

0.2 x 0.7-mm biradial nude-mounted stylus; paratoroidal OFC coils. Tracking force 0.8-1.8 g; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz. 6.4 g ..... \$135

### AT120E/T Phono Cartridge

0.3 x 0.7-mm titanium-bonded stylus; OFC coils. Output 5 mV; tracking force 1-1.8 g; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz. 6.4 g ..... \$95

## P-Mounted Series

### AT132EP Phono Cartridge

0.2 x 0.7-mm biradial nude-mounted stylus; paratoroidal OFC coils. Output 5 mV; tracking force 1-1.5 g; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz ..... \$150

### AT331LP Phono Cartridge

Linear-contact stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 10-30,000 Hz; ch sep 31 dB at 1,000 Hz. 6 g ..... \$145

### AT316EP Phono Cartridge

0.3 x 0.7-mm biradial nude-mounted stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 10-27,000 Hz; ch sep 29 dB at 1,000 Hz. 6 g ..... \$100

### AT311EP Phono Cartridge

Bonded 0.4 x 0.7-mil biradial stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 15-27,000 Hz; ch sep 29 dB at 1,000 Hz. 6 g ..... \$75

### AT301EP Phono Cartridge

Bonded 0.4 x 0.7-mil biradial stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 15-25,000 Hz; ch sep 26 dB at 1,000 Hz. 6 g ..... \$65

# C A R T R I D G E S & T O N E A R M S

## AT300P Phono Cartridge

Bonded 0.7-mil unradial stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 20-22,000 Hz; ch sep 26 dB at 1,000 Hz. 6 g ..... \$55

## BANG & OLUFSEN

### MMC Series

#### MMC-1 Phono Cartridge

Nude multiradial diamond stylus mounted on sapphire cantilever. Effective tip mass 0.25 mg; recommended tracking force 1 g; FR 20-20,000 Hz  $\pm$  1 dB; ch sep 30 dB at 1,000 Hz; compliance 30  $\mu$ m/mN. 1.6 g ..... \$500

#### MMC-2 Phono Cartridge

Nude multiradial diamond stylus mounted on sapphire cantilever. Effective tip mass 0.3 mg; recommended tracking force 1 g; FR 20-20,000 Hz  $\pm$  1.5 dB; ch sep 25 dB at 1,000 Hz; compliance 30  $\mu$ m/mN. 1.6 g ..... \$270

#### MMC-3 Phono Cartridge

Nude elliptical diamond stylus mounted on tapered aluminum cantilever. Effective tip mass 0.35 mg; recommended tracking force 1.2 g; FR 20-20,000 Hz  $\pm$  2 dB; ch sep 25 dB; compliance 25  $\mu$ m/mN. 1.6 g ..... \$170

#### MMC-4 Phono Cartridge

Titanium-bonded elliptical diamond stylus mounted on tapered aluminum cantilever. Effective tip mass 0.4 mg; recommended tracking force 1.2 g; FR 20-20,000 Hz  $\pm$  2.5 dB; ch sep 22 dB at 1,000 Hz; compliance 20  $\mu$ m/mN. 1.6 g ..... \$100

#### MMC-5 Phono Cartridge

Titanium-bonded elliptical diamond stylus mounted on straight aluminum cantilever. Effective tip mass 0.5 mg; recommended tracking force 1.5 g; FR 20-20,000 Hz  $\pm$  3 dB; ch sep 20 dB at 1,000 Hz; compliance 20  $\mu$ m/mN. 1.6 g ..... \$70

## DENNESEN

#### ABL-1 Tonearm

Air-bearing lateral-tracking tonearm. Includes air pump. Entire arm-tube removable. Stylus overhang 0 mm. Overall length and effective length adjustable. 1.5 lb with pump ..... \$2,000

## DENON

#### DL-160 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-50,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.6 g  $\pm$  0.3. Cartridge weight 4.8 g ..... \$115

#### DL-110 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-45,000 Hz; sep 25 dB at 1,000 Hz; tracking-force range 1.8  $\pm$  0.3 g. Cartridge weight 4.8 g ..... \$85

## DYNAVECTOR

#### XX-1L Phono Cartridge

Micro ridge stylus. Features solid boron cantilever. Output 0.25 mV at 5 cm/s; FR 20-20,000 Hz  $\pm$  1 dB; ch sep 30 dB at 1,000 Hz; tracking force 1.9-2.3 g. 12 g ..... \$1,100

#### XX-1 Phono Cartridge

Line contact stylus. Solid boron cantilever. Output 2.0 mV; FR 20-20,000 Hz  $\pm$  1 dB; ch sep 30 dB at 1,000 Hz; tracking force 1.8-2.2 g. 12 g ..... \$1,100

#### Model 17D2 Phono Cartridge

Micro reach stylus. Straight solid diamond cantilever. Output 0.15 mV at 5 cm/s; FR 20-100,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.8-2 g. 5.3 g ..... \$620

#### Model 23RS Phono Cartridge

Micro reach stylus. Solid tapered ruby cantilever. Output 0.15 mV at 5 cm/s; FR 20-80,000 Hz; ch sep

25 dB at 1,000 Hz; tracking force 1.7-1.9 grams. 5.3 g ..... \$470

#### Model 10X4 Phono Cartridge

Nude diamond elliptical stylus. Straight aluminum pipe cantilever. Output 2 mV at 5 cm/s; FR 20-20,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.5-1.9 g. 4.6 g ..... \$260

#### Model 50X Phono Cartridge

Elliptical stylus. Aluminum pipe cantilever. Output 2 mV at 5 cm/s; FR 20-20,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.5-1.7 g. 4.5 g ..... \$210

## EMINENT TECHNOLOGY

#### Model 2 Straight Tonearm

Straight-line-tracking air-bearing design. Adjustable VTA/SRA over arc while playing record. Tracking force range 0-5 g; effective mass 5-20 g vertical. 20-30 g horizontal; overall length 290 mm; effective length 180 mm. Total mass 400 g ..... \$1,250

## EPOCH BY STANTON

#### Epoch II Series HZ9S Cartridge

MM cartridge with stereohedron stylus. Output 0.8 mV; FR 10-25,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.5 g. 4 g ..... \$250  
**LZ9S.** As above, output 0.04 mV, FR 10-50,000 Hz 3.8 g ..... \$250  
**HZ8S.** As above, output 0.8 mV, FR 10-20,000 Hz. 4 g ..... \$190  
**LZ8S.** As LZ9S. FR 10-20,000 Hz. 3.8 g ..... \$190  
**HZ7S.** As HZ8S, ch sep 30 dB at 1,000 Hz, tracking 0.75-1.25 g. 4 g ..... \$120  
**HZ6E.** As HZ7S, with elliptical stylus ..... \$95

## GOLDRING

#### Excel Moving-Coil Phono Cartridge

Van den Hul 1 stylus. Neodymium magnet; rosewood frontpiece; aluminum sideplates. FR 20-30,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ..... \$1,295

#### Elite Moving-Coil Phono Cartridge

Gyger 1 stylus. FR 20-30,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ..... \$575

#### Eroica Moving-Coil Phono Cartridge

Low output version. FR 20-30,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ..... \$350  
 High output version. FR 20-22,000 Hz  $\pm$  3 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ..... \$300

#### Epic II Phono Cartridge

FR 20-20,000 Hz  $\pm$  3 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.75 g ..... \$99

**Elan.** FR 20-20,000 Hz  $\pm$  3 dB; ch sep 20 dB at 1,000 Hz; tracking force 2 g ..... \$60

#### 1000 Series

MM phono cartridges with interchangeable styli.

**Model 1042.** Gyger S stylus. FR 20-20,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.75 g ..... \$275

**Model 1022.** As above, Gyger II stylus ..... \$200

**Model 1012.** As above, Gyger I stylus ..... \$150

With 78 rpm stylus ..... \$150

## GRADO LABORATORIES

#### Z2+ Phono Cartridge

0.15 x 0.9-mil stylus. Features moving-iron design; P-mount/standard mount. Output 1.4 mV at 5 cm/sec; FR 10-60,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 1.5 g. Cartridge weight 5 g ..... \$265  
 Replacement stylus ..... \$110

#### Z1+ Phono Cartridge

0.2 x 0.2-mil stylus. Features moving-iron design; P-mount/standard mount. Output 1.4 millivolts at 5 cm/

sec; frequency response 10-60,000 Hz; channel separation 25 dB at 10,000 Hz; tracking force 1.5 g. Cartridge weight 5 g ..... \$180  
 Replacement stylus ..... \$75

#### Z+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-55,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g ..... \$130  
 Replacement stylus ..... \$55

#### Signature Jr. Phono Cartridge

0.2 x 0.2-mil stylus. Features flux-bridge design; standard mount. Output 5 mV at 5 cm/sec; FR 10-60,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 1.5 g. Cartridge weight 5 g ..... \$125  
 Replacement stylus ..... \$63

#### ZF1+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 millivolts at 5 cm/sec; frequency response 10-55,000 Hz; channel separation 25 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g ..... \$110  
 Replacement stylus ..... \$45

#### ZF2+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-55,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g ..... \$86  
 Replacement stylus ..... \$36

#### DJ-100 Phono Cartridge

Two elliptical styli. Features moving-iron design; standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 2-5 g. Cartridge weight 5.5 g ..... \$85  
 Replacement styli ..... \$55/pr

#### ZF3E+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-55,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g ..... \$69  
 Replacement stylus ..... \$33

#### ZCE+1 Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mounting/standard mount. Output 4 millivolts at 5 cm/sec; frequency response 10-50,000 Hz; channel separation 20 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g ..... \$55  
 Replacement stylus ..... \$30

#### ZCE+ Phono Cartridge

Elliptical stylus. Features moving-iron design; standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 20 dB at 10,000 Hz; tracking force 2-3 g. Cartridge weight 5.5 g ..... \$45  
 Replacement stylus ..... \$28

#### ZTE+ Phono Cartridge

Elliptical stylus. Features moving-iron design; standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 2-3 g. Cartridge weight 5.5 g ..... \$38  
 Replacement stylus ..... \$21

#### ZTE+1 Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g ..... \$33  
 Replacement stylus ..... \$20

## GRAHAM ENGINEERING

#### Model 1.5t Tonearm

Pivot design. Features arm tube damping; tungsten balancing weights for azimuth control; silver wiring. Interchangeable arm wands; counterweight adaptors; self-locking,  $\mu$ m-stepped adjustments for overhang, azimuth, VTA, and tracking force. Includes

# C A R T R I D G E S & T O N E A R M S

installation kit and cartridge alignment fixture. SME-compatible mounting on most turntables ..... \$2,450

## HEYBROOK

### The Heybrook Tonearm

Straight design. Pivoted tracking; magnesium tube; fixed headshell. Adjustable VTA; locking counterweight. Tracking force 0-3 g ..... \$549

## JOSEPH GRADO SIGNATURE

### XTZII Phono Cartridge

Flux bridge. Ch sep 35 dB at 1,000 Hz; 3.5 mV output at 1,000 Hz; tracking force 1.5 g; stylus radius 0.15 x 0.9. 5 g ..... \$750  
 Replacement stylus ..... \$375  
**TLZII.** As above, stylus radius 0.15 x 0.9 ..... \$500  
 Replacement stylus ..... \$250  
**MCZII.** As above, stylus radius 0.15 x 0.9 ..... \$300  
 Replacement stylus ..... \$150  
**SMZII.** As above, stylus radius 0.2 x 0.2 ..... \$200  
 Replacement stylus ..... \$100

## KOETSU

The following are made of samarium-cobalt, neodymium, and platinum-ferric magnets with an iron core and stress-free copper windings.

**Rosewood Pro IV Cartridge** ..... \$3,995  
**Urushi** ..... \$2,775

### Series 90 Moving-Coil Cartridges

**Rosewood Signature** ..... \$2,150  
 Retipping service ..... \$1,200  
**Rosewood MkII** ..... \$1,595  
**Rosewood** ..... \$1,250  
 Retipping service ..... \$700

## JOHN MAROVSKIS

### JMAS MIT-1 Moving-Coil Phono Cartridge

Van den Hul stylus. Output 0.25 mV at 1,000 Hz and 5 cm/sec; FR 10-10,000 Hz  $\pm 1$  dB; ch sep 25 dB at 1,000 Hz; tracking force 2.25-2.5 g. 5.5 g ..... \$650  
 Replacement stylus ..... \$325

## NAIM

### ARO Tonearm

Features pivot design; balanced weight assembly; adjustable arm height. Effective length 230 mm; overhang 18 mm; cartridge weight 5.5-12 g; cartridge-mounting height 40-55 mm ..... \$1,855  
**ARO Arm Top** ..... \$995  
**ARO-MATIC Arm Lift** ..... \$235

## ORACLE

### SME 345 Tonearm

Pivot design. Static tracking-force adjustment; spring antiskating method; detachable headshell; adjustable vertical tracking angle. Effective length 233 mm; effective mass 9.5 g; cartridge weight 5-10 g ..... \$2,000  
**Black.** With gold ORACLE lettering ..... \$2,400

## ORTOFON

### Ortophase Moving Coil Series

#### MC5000 Phono Cartridge

Features Ortofon Replicant 100 stylus; sapphire cantilever; aluminum-oxide cartridge body; 30- $\mu$ m OFC windings. Stylus tip radius 5 x 100  $\mu$ m; equivalent tip mass 0.25 mg; output voltage 0.1 mV at 1,000 Hz, 5 cm/sec; ch sep 25 dB and ch balance 0.5 dB at 1,000 Hz; dynamic compliance 12  $\mu$ m/12 mN (lateral/vertical); FR 5-20-20,000 Hz  $\pm 2.5$ , -0 dB; tracking angle 20°; tracking force 2.5 g. 9.5 g ..... \$2,000

#### MC3000II Phono Cartridge

Low-mass (0.25 mg) system features Ortofon Replicant 100 stylus; conical aluminum cantilever; carbon-fiber armature; silver coil windings; neodymium per-

manent magnet. Output voltage 0.1 mV at 1,000 Hz 5, cm/sec; ch sep 25 dB at 1,000 Hz; FR 5-90,000 Hz  $\pm 4$ , -1 dB. 9.5 g ..... \$1,600

#### MC10 Super

Elliptical nude stylus. Vertical tracking angle 20°; output 0.25 mV at 1 kHz, 5 cm/sec; FR 20-20,000 Hz  $\pm 1$  dB; tracking force 1.5 g. 7 g ..... \$120

### Q-Series Moving-Coil Cartridges

#### Quasar Phono Cartridge

Replicant stylus. Features extruded-aluminum cartridge body. Output voltage 200  $\mu$ V; FR 20-20,000 Hz  $\pm 4$ , -1 dB; ch sep 25 dB; ch bal 1 dB; tracking angle 20°; tracking force range 1.6-2 g; tracking ability 90  $\mu$ m. 10 g ..... \$650

#### Quattro Phono Cartridge

FG 2 stylus. Extruded-aluminum body. Output voltage 200  $\mu$ V; FR 20-20,000 Hz  $\pm 4$ , -1 dB; ch sep 25 dB; ch bal 1 dB; tracking angle 20°; tracking force range 1.6-2 g; tracking ability 80  $\mu$ m. 10 g ..... \$450

#### Quartz Phono Cartridge

Elliptical nude stylus. Features extruded-aluminum cartridge body. Output voltage 500  $\mu$ V; FR 20-20,000 Hz  $\pm 4$ , -1 dB; ch sep 25 dB; ch bal 1.5 dB; tracking angle 20°; tracking force range 1.8-2.2 g; tracking ability 70  $\mu$ m. 10 g ..... \$350

### High-Output Moving-Coil Series

#### X5MC Phono Cartridge

Fg type 2 nude diamond stylus. Features focused magnetic field; 230 coil-windings per pole piece. Output 2 mV at 5 cm/sec. FR 15-40,000 Hz  $\pm 4$ , -1.5 dB; ch sep 25 dB at 1,000 Hz. 4.1 g ..... \$300

#### X3-MC Phono Cartridge

Nude fine-line diamond stylus. Features focused magnetic field; 230 coil-windings per pole piece. Output 2 mV at 5 cm/sec; FR 20-40,000 Hz  $\pm 4$ , -1.5 dB; tracking-force range 1.8-2.2 g; vertical tracking angle 23°. 4.1 g ..... \$175  
**X3-MCP.** P-mount version of above ..... \$175

#### X1-MC Phono Cartridge

Elliptical diamond stylus. Low-moving mass aluminum cantilever. Output 2 mV at 5 cm/sec; FR 20-30,000 Hz  $\pm 4$ , -1.5 dB; ch sep 22 dB at 1,000 Hz; tracking-force range 1.75-2.2 g; vertical tracking angle 23°. 4.1 g ..... \$125  
**X1-MCP.** P-mount version of above ..... \$125

### Optimum-Mass Series

#### OM-30 Super Phono Cartridge

Nude fine-line diamond stylus. Features low-mass variable-magnet-shunt phono cartridge; plastic car-

tridge body. Tracking force 1.25 grams; FR 20-27,000 Hz; output voltage 3.5 mV at 1,000 Hz, 5 cm/sec; ch sep 25 dB at 1,000 Hz ..... \$225

**OM-20 Super.** As OM-30, with more rectangular stylus; designed for medium-weight tonearms. Output voltage 4 mV at 1,000 Hz 5 cm/sec ..... \$150

**OMP-20.** P-mount version of above; 6 g ..... \$150

**OM-10 Super.** As OM-20, for heavier tonearms. Tracking force 1.5 gram; output voltage 4 mV at 1,000 Hz 5 cm/sec; ch sep 22 dB at 1,000 Hz ..... \$75

**OMP-10.** P-mount version of above; 6 g ..... \$75

**OM-5E.** As OM-10, for heavier tonearms. Tracking force 1.5 g; FR 20-20,000 Hz ..... \$50

**OMP-5E.** P-mount version of above ..... \$50

### Universal Series

#### TM20U Phono Cartridge

Square-shank nude elliptical diamond stylus. Features variable-magnetic-shunt cartridge. Universal mount. Output 4 mV at 1 kHz, 5 cm/sec; FR 20-25,000 Hz; ch bal 1.5 dB; ch sep 25 dB. 6 g ..... \$129

#### TM14U Phono Cartridge

Elliptical diamond stylus. Universal mount. FR 20-20,000 Hz; output 4.5 mV; ch sep 25 dB and ch balance 1.5 dB at 1,000 Hz; equivalent stylus tip mass 0.5 mg; tracking force 1.25 g ..... \$89

#### TM7U Phono Cartridge

Elliptical diamond stylus. Universal mount. FR 20-20,000 Hz; output 5 mV at 1,000 Hz, 5 cm/sec; ch sep 22 dB and ch balance 2 dB at 1,000 Hz; tracking force 1.25 g; equivalent tip mass 0.5 mg ..... \$60

#### FF15XE MkII Phono Cartridge

8- $\mu$ m elliptical-diamond stylus. Variable magnetic shunt. Output 3.2 mV at 1,000 Hz, 1 cm/sec; ch sep 20 dB and ch balance 2 dB at 1,000 Hz; tracking force 1.5-3 g. 5 g ..... \$50

### Pro Series Moving-Magnet Kits

#### Concorde Pro Phono Cartridge

2 spherical styli. FR 20-20,000 Hz; output 5 mV at 1,000 Hz, 5 cm/sec; ch sep 20 dB and ch balance 2 dB at 1,000 Hz. 16 g ..... \$100

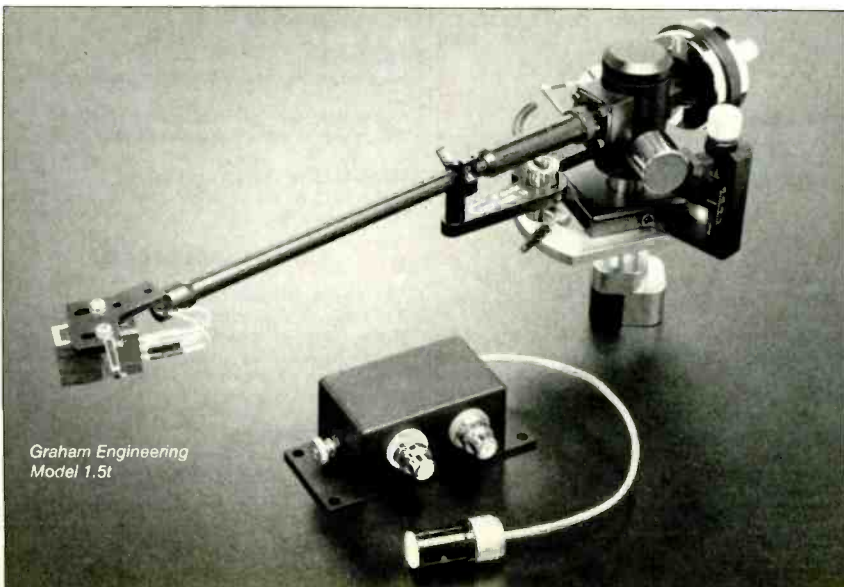
#### OM Pro Phono Cartridge

2 spherical styli. Features aluminum cantilever. Output 5 mV at 5 cm/sec; FR 20-18,000 Hz  $\pm 3$  dB; ch sep 20 dB at 1,000 Hz; tracking 3-5 g. 5 g ..... \$56  
**Stylus Pro.** Replacement stylus ..... \$22

## PICKERING

#### XSV/5000 Phono Cartridge

Nude stereohedron diamond stylus tip. Includes dust brush; replacement stylus D5000. Output 3.8 mV; FR 10-50,000 Hz; tracking force 0.5-1.5 g ..... \$330



Graham Engineering  
Model 1.5t

**XV-15/625E Phono Cartridge**

0.3 x 0.7-mil elliptical stylus. Includes dust brush; replacement stylus. Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; tracking force 0.75-1.5 g; ch sep 35 dB ..... \$133

**XV-15/625DJ Phono Cartridge**

0.3 x 0.7-mil elliptical stylus. Designed for professional use. Output 0.8 mV/cm/sec; ch sep 30 dB; tracking force 1-4 g ..... \$98

**XV-15/150DJ Phono Cartridge**

0.7 mil spherical stylus tip. Extra-high-output cartridge; designed for DJ's. FR 10-20,000 Hz; ch sep 28 dB; tracking force 2-4 g ..... \$95

**V15-DJ Phono Cartridge.** Spherical stylus; standard mount. Output 4.4 mV; tracking force 2-5 g. 5.5 g ..... \$43

**P-Mount Cartridges**

**TL-1.** Elliptical stylus. 2-coil moving magnet. Output 4.4 mV; FR 10-20,000 Hz; tracking 0.75-1.5 g . \$102

**TL625DJ.** Includes replacement stylus DJL. Output 4.4 mV; FR 20-20,000 Hz; tracking force 3.5-4 g \$98

**TLE Type 2.** Elliptical stylus. Output 3 mV; FR 10-22,000 Hz; tracking force 0.75-1.5 g ..... \$72

**TLE.** Elliptical stylus. Output 4.4 mV; FR 10-20,000 Hz; tracking force 0.75-1.5 g ..... \$66

**PIONEER**

**PC-295T Phono Cartridge**

P-mount cartridge with induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g ..... \$80

**PN-295T.** Replacement stylus ..... \$35

**PC-300T Phono Cartridge.** P-mount cartridge with induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g ..... \$80

**PN-300T.** Replacement stylus ..... \$30

**PC-290T Phono Cartridge.** P-mount cartridge with induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g ..... \$70

**PN-290T.** Replacement stylus ..... \$30

**PC-5MC Moving-Coil Phono Cartridge**

High-output mc cartridge. FR 10-32,000 Hz; output voltage 2 mV; tracking force 1.7-2.3 g ..... \$54

**PN-5MC.** Replacement stylus ..... \$32

**PC-250T Phono Cartridge**

P-mount cartridge. FR 10-30,000 Hz; output voltage 2.5 mV; tracking force 1-1.5 g ..... \$50

**PN-250T.** Replacement stylus ..... \$20

**REALISTIC BY RADIO SHACK**

**V15 Realistic/Shure Phono Cartridge.** Stabilizer; viscous damping for tracking warped records. Tracking force 1.25-1.75 g; FR 5-30,000 Hz ..... \$80

**RXP3 Realistic/Shure Phono Cartridge.** Elliptical diamond stylus. Feature P-mount design. Tracking force 1.25 g ..... \$30

**RS500DJ Realistic/Stanton Phono Cartridge.** Pro Series cartridge designed for back-cueing and scratch-mixing. Tracking force 2.5 g ..... \$30

**R500DJ.** Replacement stylus ..... \$20

**RX1500 Phono Cartridge.** Diamond elliptical stylus. Features dual-magnet design. Tracking force 1-1.5 g ..... \$30

**R47XT Realistic/Shure Phono Cartridge.** 10 x 18-micron elliptical diamond stylus. Tracking force 1.75-2.25 g; ch sep 20 dB ..... \$27

**R25XT Realistic/Shure Phono Cartridge.** 10 x 18-micron elliptical diamond stylus. Tracking force 2.5-3.5 g ..... \$20

**REVOLVER**

**Revolver Straight Tonearm**

Statically balanced pivoted direct-coupled tonearm with zero-free-play precision ball bearings. Features decoupled counterweight. Tracking force 2-10 grams; offset angle 23.5°; stylus overhang 18 mm. Overall length 285 mm; effective length 228 mm. 393 grams ..... \$220

**Revolver Super.** As above, with larger zero-free-play bearings ..... \$500

**SHURE**

**V15VMR Phono Cartridge**

mm design with beryllium stylus shank. Output 3.2 mV at 1,000 Hz, 5 cm/s; FR 10-28,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1 g; replacement stylus VN5MR ..... \$297

**M110HE Phono Cartridge**

Features telescoped stylus shank; hyperelliptical tip; stylus protection system. Standard/P-mount. Replacement stylus N110HE ..... \$123

**SC39EJ Phono Cartridge**

Biradial stylus with protection system. Output voltage 4 mV; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.5-3 g ..... \$78

**M104E Phono Cartridge**

P-mount compatible cartridge with 0.2 x 0.7 mil elliptical stylus-tip and tubular heat-treated aluminum stylus shank. Includes rigid 0.5-in-mount converter. Output 5.0 mV at 1,000 Hz, 5 cm/s; FR 20-20,000 Hz; ch sep 25 dB; tracking force 1.25 g. Replacement stylus N104E ..... \$78

**M55E Phono Cartridge**

0.2 x 0.7-mil biradial elliptical stylus. Output 6.2 mV at 1,000 Hz, 5 cm/s; FR 20-20,000 Hz; tracking force 0.75-2 g; ch sep 20 dB at 1,000 Hz; Replacement stylus N55E ..... \$73

**M44G Phono Cartridge**

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 0.75-1.25 grams; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; output 6.2 mV ..... \$59

**M44C Phono Cartridge**

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 3-5 grams; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; output 6.2 mV ..... \$57

**M447 Phono Cartridge**

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 1.5-3 grams; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; output 6.2 mV ..... \$57

**SC35C Phono Cartridge**

Features spherical stylus; output voltage 5 mV; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 4-5 grams ..... \$50

**M92E Phono Cartridge**

Heat-treated tubular-aluminum stylus shank and 0.4 x 0.7 mil elliptical stylus tip. Standard or P-mount. Output 5 mV at 1,000 Hz, 5 cm/s; FR 20-18,000 Hz; ch sep 20 dB at 1,000 Hz; tracking force 1.25 g. Replacement stylus N92E ..... \$34

**SIGNET**

**Analog Master Series**

**AM50s Phono Cartridge**

Square-shank stylus. Features gold-plated beryllium cantilever; bench-crafted, standard-mount, twin-llux design with PC-occ wire; FR 5-37,000 Hz; output 5 mV at 5 cm/s; tracking force 0.8-1.8 g. 6 g ..... \$350

**AM40s.** As above, with nude straight-line-contact stylus. Features tapered beryllium cantilever; FR 5-

35,000 Hz; tracking force 0.8-1.6 g. 6 g ..... \$275

**AM30s.** As above, with 0.3 x 0.7-mil nude elliptical stylus. Features thin-wall alloy tapered cantilever; FR 5-30,000 Hz ..... \$225

**AM20s.** As above, FR 10-30,000 Hz, tracking force 0.9-1.9 g ..... \$195

**AM20p.** P-mount version of above ..... \$195

**AM10s.** As AM30s, with 0.3 x 0.7-mil nude elliptical diamond stylus. Thin-wall aluminum cantilever; FR 15-25,000 Hz; tracking force 1.3-2.3 g ..... \$125

**AM10p.** P-mount version of above ..... \$125

**Moving Coil Series**

**AT-ART1 Phono Cartridge**

0.1-mm nude square-shank diamond stylus. Features tapered boron cantilever; dual-coil design; diamond-coated, PC-occ 6N coils. Output 0.35 mV at 5 cm/sec; FR 15-50,000 Hz; tracking force 1.4-1.8 g. 9.5 g ..... \$1,300

**AT-OC9 Phono Cartridge**

0.2 x 0.7-mil biradial nude diamond stylus. Features gold-plated beryllium cantilever; dual-coil design; PC-occ coils. Output 0.4 mV at 5 cm/sec; FR 15-50,000 Hz; tracking force 1.25-1.75 g. 7.8 g ..... \$400

**Standard Series**

**Model 103 Phono Cartridge**

0.4 x 0.7-mil elliptical stylus. Universal mount. Output 5 mV at 5 cm/sec; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz; tracking force 1.6 g ..... \$90

**Model 101.** As above, with 0.6-mil stylus. FR 20-20,000 Hz; ch sep 24 dB at 1,000 Hz ..... \$60

**Model 100.** As 103, standard mount only. Output 4.2 mV at 5 cm/sec; FR 20-22,000 Hz; ch sep 22 dB at 1,000 Hz, tracking force 1.5-2.5 g ..... \$60

**STANTON**

**Model 680 EE Phono Cartridge**

0.3 x 0.7-mil stylus tip. Includes brush. Output 0.8 mV/cm/sec; FR 20-20,000 Hz; ch bal ± 2 dB and ch sep 35 dB at 1,000 Hz; imp 47 kilohms; tracking force 0.75-1.5 g; 5.5 g. Replacement stylus D680 ..... \$102

**Calibration Series**

**Collector's Series 100 Phono Cartridge**

0.3 x 2.8-mil stereohedron diamond stylus. Output 0.6 mV/cm/sec; FR 20-20,000 Hz ± 1 dB; ch bal 1 dB and ch sep 35 dB at 1,000 Hz; imp 47 kilohms; tracking force 0.75-1.5 g; 5.5 g. Replacement stylus CS100 ..... \$360

**881S MkII Phono Cartridge**

Nude stereohedron stylus. Output 0.9 mV/cm/sec; FR 10-25,000 Hz; ch bal 1 dB and ch sep 35 dB at 1,000 Hz; imp 47 kilohms; tracking force 0.75-1.25 g. White with silver handle, white brush; replacement stylus D81S, D810 for mono LP's, D827 for 78's. 5.7 g \$216

**581EEE MkII-S Phono Cartridge**

Induced-magnet cartridge with stereohedron stylus shape. Cantilever assembly. Output 0.7 mV/cm/sec; FR 10-22,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 1 g ± 0.25. 6.3 g ..... \$156

**Disco Series**

**Model 680EL-MP Phono Cartridge**

Matched pair of 680EL cartridges. 0.4 x 0.7-mil elliptical-diamond stylus. Output 0.82 mV/cm/sec; FR 20-18,000 Hz; ch bal ± 2 dB and ch sep 30 dB at 1,000 Hz; tracking force 2-5 g. 5.5 g. Replacement stylus D6800E ..... \$192

**Model 890AL.** As above, with 0.7-mil spherical-stylus. Output 0.76 mV/cm/sec; FR 20-20,000 Hz; imp 47 kilohms; tracking force 2-7 g. Extra stylus . . \$162

**Model 500AL-MP.** As above, matched pair of 500AL cartridges. 0.7-mil spherical stylus. Output 1 mV/cm/sec; FR 20-17,000 Hz ± 2 dB; ch sep 29 dB at 1,000 Hz; tracking force 3-7 g. 5 g. Replacement stylus D5107AL ..... \$156

# C A R T R I D G E S & T O N E A R M S



Stanton Model 890AL

**Model 681SE.** As 680EL, output 1 mV/cm/sec; FR 10-10,000 Hz  $\pm$  0.5 dB; ch sep 35 dB at 1,000 Hz; tracking force 2-4 g. Replacement stylus D6800SE, D6810 for LP's, D6827 for 78's. 5.5 g ..... \$150

**L680EL Phono Cartridge.** Fluorescent-coated stylus. P-mount. Output 1.1 mV/cm/sec; FR 20-18,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 3.5-4 g. Replacement stylus D6800EL. 8.4 g ..... \$138

**Model 680EL Phono Cartridge**  
0.4 x 0.7-mil elliptical-diamond stylus. Output 0.82 mV/cm/sec; FR 20-18,000 Hz; ch bal  $\pm$  2 dB and ch sep 30 dB at 1,000 Hz; imp 47 kilohms; tracking force 2.5 g; 5.5 g. Replacement stylus D6800EL. Extra stylus included ..... \$138

**Model 680.** As 680EL, with 0.7-mil spherical-stylus tip. Output 1.1 mV/cm/sec. Replacement stylus D6800AL included ..... \$120

**L500AL Cartridge.** P-mount MM cartridge designed for professional use. Features auto compensation for high tracking forces ..... \$74

**Model 500EL.** As above, output FR 20-18,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 2.5 g; weight 5 g. Replacement stylus D5100EL ..... \$82

**Model 500AL Cartridge.** 0.7-mil spherical stylus. Professional design. Output 1 mV/cm/sec; FR 20-17,000 Hz  $\pm$  2 dB; ch bal  $\pm$  2 dB and ch sep 28 dB at 1,000 Hz; imp 47 kilohms; tracking force 3-7 g. Replacement stylus D5107AL. 5 g ..... \$74

## Stereo Standard P-Mount Series

**L747S Phono Cartridge.** Plug-in design with stereo-hedron stylus. FR 10-25,000 Hz; tracking force 0.75-1.5 g; output 1.2 mV/cm/sec; ch sep 35 dB. Replacement stylus D747S. 5.7 g ..... \$174

## L727E Phono Cartridge

Plug-in cartridge with 0.4 x 0.7-mil elliptical stylus. FR 10-25,000 Hz; tracking force 0.75-1.5 g; output 0.8 mV/cm/sec; ch sep 32 dB ..... \$114

## L725E Phono Cartridge

Elliptical stylus; tracking force 0.75-1.5 g; output 0.8 mV/cm/sec; FR 10-22,000 Hz; ch bal 2 dB; ch sep 28 dB. Replacement stylus D71EE. 5.7 g ..... \$82

**L720EE.** As above, with 0.3 x 0.7-mil elliptical stylus. FR 10-20,000 Hz ..... \$72

## Broadcast Series-Mark II

## Model 500EE MkII Phono Cartridge

0.3 x 0.7-mil elliptical-diamond stylus. Output 1 mV/cm/sec  $\pm$  2 dB; FR 10-20,000 Hz; ch bal  $\pm$  2 dB and ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.5 g. Replacement stylus D50EE MkII ..... \$78

**Model 500E.** As above, with 0.4 x 0.7-mil stylus. Tracking force 1-2 g. Replacement stylus D50E MkII. 5.5 g ..... \$72

## SUMIKO

### Kiseki Series

**Lapis Lazuli Moving-Coil Phono Cartridge**  
Lapis lazuli hyper-elliptical stylus. Features moving-coil design; diamond cantilever. Output 0.4 mV. 11 g ..... \$6,000

**Blackheart Moving-Coil Phono Cartridge**  
Hyper-elliptical stylus. Features boron cantilever. FR 20-50,000 Hz; output 0.4 mV; tracking force 1.8 g. 7.5 g ..... \$2,500

**Agaat Ruby Moving-Coil Phono Cartridge**  
Hyper-elliptical stylus. Features ruby cantilever. Output 0.4 mV; FR 20-50,000 Hz; ch sep 30 dB; tracking force 2 g. 11 g ..... \$1,250

**Purple Heart Sapphire.** As above, sapphire cantilever; sendust armature. 7.5 g ..... \$975

**Blue Gold.** As above, aluminum body; boron overlay cantilever. 11 g ..... \$600

### Alchemist Series

**Alchemist IIIS Moving-Coil Phono Cartridge**  
Van den Hul stylus. Features samarium-cobalt mag-

net; zinc body; sapphire rod cantilever. Output 1.8 mV; FR 10-60,000 Hz; ch sep 30 dB; tracking force 1.8-2.2 g. 6.7 g ..... \$495

**Alchemist IIB.** As above, boron cantilever. FR 15-32,000 Hz; ch sep 35 dB ..... \$475

### Alchemist IAT Moving-Coil Phono Cartridge

Elliptical stylus. Features aluminum/magnesium cantilever. FR 20-40,000 Hz; ch sep 25; tracking force 1.5-2.1 g. 6.7 g ..... \$300

### Talisman Series

#### Talisman SvdH Moving-Coil Phono Cartridge

Van den Hul stylus. Features sapphire-tube cantilever. Output 0.26 mV; FR 10-60,000 Hz; ch sep 30 dB; tracking force 1.8-2.2 g. 6.3 g ..... \$395

**Talisman BvdH.** As above, boron cantilever. FR 10-50,000 Hz; tracking force 1.5-2.1 g ..... \$325

### Oyster Series

#### Blue Point Special Moving-Coil Cartridge

Elliptical stylus. Features open-generator body design. Standard mount. Output 2.3 mV; tracking force 1.25-1.7 g. 9.5 g ..... \$295

#### Sumiko Blue Point Phono Cartridge

Elliptical stylus. Features moving-coil design; standard or P-mount. Output 3 mV; tracking force 1.25-1.7 g. 5.9 g ..... \$125

#### Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; ch sep 30 dB; tracking force 1.5-2 g. 6 g ..... \$75

#### Black Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; tracking force 1.5-2 g. 6 g ..... \$50

#### Oyster Phono Cartridge

Spherical stylus. Output 4 mV; FR 30-20,000 Hz; ch sep 25 dB; tracking force 1.5-2.5 g. 5.3 g ..... \$30

### Tonearms

The following have cueing, antiskating, and vertical-tracking-angle adjustments.

#### SME Series V Straight Tonearm

Pivot design. Features 1-piece magnesium casting from headshell to rear of counterweight rails; captive ball-race bearings; silver wiring. Tracking force 0-3 g. 11 $\frac{1}{2}$  in ..... \$2,550

**Series IV.** As above, with static balanced vertical tracking; manually adjusted arm height ..... \$1,850

#### SME IV.Vi Tonearm

Pivot design. Features fixed-cartridge mount; azimuth adjustment; chassis arm tube of series IV; 7 bearings from series V; Magnan internal wiring. Tracking force 0-3 g. 4-18 g ..... \$1,995

#### SME 309 Tonearm

Pivot design. Features fixed-cartridge mount. Tracking force 0-3 g. Effective length 9 $\frac{3}{4}$  in; overall length 11 $\frac{1}{2}$  in ..... \$1,195

## VPI

#### Stogi Reference Tonearm

Pivoted arm with fixed-cartridge mount. Features 9 bearings tapered tube with azimuth adjustment. Cueing; antiskating adjuster; adjustable vertical tracking angle. Overall length 11 $\frac{1}{4}$  in; mounting-hole diameter 1 $\frac{1}{4}$  in ..... \$1,500

**Stogi.** As above, 5 bearings ..... \$900

## WHEATON MUSIC

#### Tri-Planar III Ultimate Tonearm

Cardas tonearm wiring; clamping yoke allowing azimuth rotation of headshell; hardened, polished needle cones; lead-inserted-headshell damping treatment. Stylus-to-pivot length 250 mm; offset angle 22 $\frac{1}{2}$ ; stylus overhang 16.5 mm ..... \$1,995

# R E C E I V E R S

## AMC

### R4 65-W/ch Receiver

2 channels. Features microprocessor-based design. 4 inputs including phono. Remote volume and source selection. 65 W x 2 into 8 ohms. FR 20-20,000 Hz; S/N 78 dBA MM, 75 dBA MC, 85 dB line. . . . . \$900  
**URC-1000.** Programmable remote for above. . . . . \$56

## BANG & OLUFSEN

*The following receivers feature dynamic output-level adjustment, auto scan tuning, direct-station access, and Power Link connectors for Beolab powered speakers.*

### Beomaster 7000 50-W/ch Receiver

2 channels. Integrates with Beosystem 7000. Features multiroom capability; frequency-synthesis tuning. 20 AM/FM presets; clock/timer with battery back-up; Beolink 7000 remote control. Radio Data System decoder for 10-character station labeling optional. 50 W x 2 rms into 8 ohms with 0.09% THD. S/N 78 dBA phono, 80 dBA line. FM: FR 20-15,000 Hz  $\pm$  1 dB; 50-dB quieting sens 40 dB; S/N 70 dB stereo; THD 0.2% stereo; cap ratio 1.7 dB; adj-ch sel 10 dB; all-ch sel 70 dB; AM rej 57 dB; ch sep 45 dB. Polished-aluminum or white finish. 16 1/2 x 3 x 12 3/4 in. . . . . \$3,000

### Beomaster 4500 20-W/ch Receiver

2 channels. Integrates with Beosystem 4500. Features multiroom capability; digital tuning. 20 AM/FM presets; programmable volume and tone levels; Beolink 1000 remote control. 20 W x 2 rms into 8 ohms with 0.1% THD. S/N 77 dB. FM: 50-dB quieting sens 19 dB mono, 40 dB stereo; FR 20-15,000 Hz  $\pm$  1 dB; S/N 70 dB stereo; cap ratio 1.7 dB; ch sep 40 dB. Polished aluminum finish with white trim. Wall-mount brackets optional. 24 3/8 x 2 3/4 x 9 9/16 in. . . . . \$1,200

## CARRERA

### CR-2530 30-W/ch Receiver

2 channels. Features headphone jack with volume control. 30 W x 2. FR 20-20,000 Hz. THD 0.25%. FM: cap ratio 1.7 dB; all-ch sel 58 dB. 13 lb. . . . . \$200

## CARVER

*The following feature Sonic Holography circuitry, ambience enhancement, and proprietary multipath-suppression circuitry.*

### HR-895 365-W A/V Receiver

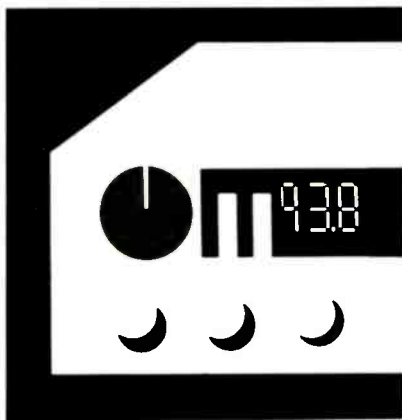
5 channels with Dolby Pro Logic decoder. Features multiroom capability. 7 audio inputs; 4 composite-video inputs; 3 S-video inputs; front-panel S-video/composite-video AV input; headphone jack. 4 surround modes; 30 AM/FM presets; FM-mono switch; auto/manual tuning; signal-strength indicator; timer; 4 AC outlets; programmable remote control. Includes infrared receiver and second remote control. 110 W x 2 rms (front) + 75 x 1 rms (center) + 35 x 2 rms (rear), all into 8 ohms from 20-20,000 Hz with 0.1% THD. S/N 105 dBA amp, 80 dBA MM. FM: cap ratio 2 dB; AM rej 65 dB; all-ch sel 70 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo. . . . . \$1,200

### HR-772 140-W/ch Receiver

2 channels. Source-direct switch; motor-driven volume control. 5 audio inputs; 2 video inputs; 1 video output; 2 tape-monitor loops; line-level outputs; headphone jack. 20 AM/FM presets; auto/manual tuning; 5-band EQ; tape-dubbing capability; loudness and balance controls; A/B speaker switching; signal-strength indicator; alphanumeric display; 4 AC outlets; remote control. 140 W x 2 into 8 ohms or 150 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. S/N 110 dBA amp, 80 dBA MM. FM: cap ratio 1.5 dB; AM rej 65 dB; all-ch sel 72 dB; ch sep 46 dB and THD 0.15% at 1,000 Hz; S/N 70 dB stereo. 19 x 5 1/2 x 18 in. . . . . \$850

### HR-742 80-W/ch Receiver

2 channels. Motor-driven volume control. 6 audio inputs; 3 video inputs; 2 video outputs; switchable



cable/antenna inputs; pre-out/main-in loop; headphone jack. 30 AM/FM presets with scan; auto/manual tuning; A/B speaker switching; bass, treble, and balance controls; signal-strength indicator; sleep timer; 2 AC outlets; remote control. 80 W x 2 into 8 ohms or 130 x 2 into 4 ohms from 20-20,000 Hz with 0.09% THD; 150 x 2 into 2 ohms. S/N 101 dBA amp, 80 dBA MM. FM: cap ratio 2.2 dB; AM rej 62 dB; all-ch sel 65 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo. 19 x 5 1/4 x 15 1/2 in. . . . . \$630

### HR-732 60-W/ch Receiver

2 channels. Features motor-driven volume control. 6 audio inputs; 3 video inputs; 2 video outputs; headphone jack. 30 AM/FM presets with scan; auto/manual tuning; signal-strength indicator; A/B speaker switching; bass, treble, and balance controls; 2 AC outlets; remote control. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms from 20-20,000 Hz with 0.09% THD; 120 x 2 into 2 ohms. S/N 100 dBA amp, 80 dBA MM. FM: cap ratio 2.2 dB; AM rej 62 dB; all-ch sel 65 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo. 19 x 5 1/4 x 15 1/2 in. . . . . \$500

## DENON

### AVR-3000 400-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features 5 discrete amps; optical Class A circuitry for front and center channels; 3-pole-equivalent tuner front end; videodisc- and CD-direct modes. 9 audio inputs; 5 video inputs; 4 S-video inputs; 10 audio outputs; 3 video outputs; 3 S-video outputs; 2 center-channel outputs. 4 Dolby modes; wide-screen, live, mono-movie, classic, rock, church, jazz, stadium, and matrix-surround dsp modes; bass boost; dialog-enhancing EQ; auto input balance for Dolby Pro Logic mode; adjustable delay and room-size parameters; 16 AM/FM presets; auto-seek and manual-step tuning; non-volatile memory for control settings and surround parameters; audio and video rec-out selectors; FL alphanumeric display; Basic-function and programmable remote controls. 110 W x 3 (front, center) + 35 x 2 (rear), all into 8 ohms. . . . . \$1,300  
**AVR-2000.** As above, 80 W x 3 (front, center) + 25 x 2 (rear). No bass boost, dialog-enhancing EQ, or basic-function remote. 6 audio inputs; 3 video inputs; 2 S-video inputs; 2 video outputs; 2 S-video outputs. . . . . \$850

### DRA-1035R 130-W/ch Receiver

2 channels. Features optical Class A amplifier circuitry; source-direct switch. 7 audio and 3 video inputs; pre-out/main-in loop; connector for RC-615 multiroom system. Video switching capability; simulcast copy function; simulated-stereo circuit, switchable wide/narrow FM IF bandwidth; 40 AM/FM presets; last-station memory; seek, preset-scan, and manual-step tuning; variable loudness control; rec-out selector; remote speaker switching; FL display; programmable remote control. 130 W x 2 into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 92 dB MM, 75 dB MC, 103 dB line. FM: 50-dB quieting sens 37.3 dB stereo;

cap ratio 1.3 dB; S/N 82 dBA stereo; THD 0.06% stereo; ch sep 55 dB at 1,000 Hz. . . . . \$1,000  
**DRA-835R.** As above, without simulated-stereo circuit or MC-phono input. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 86 dB MM, 103 dB line. . . . . \$750  
**DRA-635R.** As DRA-835R, without remote speaker switching, multiroom connector, or switchable IF bandwidth. Remote control not programmable. 80 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 86 dB MM, 95 dB line. FM: 50-dB quieting sens 38.5 dB stereo; THD 0.08% stereo; ch sep 40 dB at 1,000 Hz. . . . . \$500

### AVR-810 265-W A/V Receiver

5 channels with Dolby Pro Logic decoder. 9 audio inputs; 5 video inputs; front-panel A/V input; 3 S-video inputs; 8 audio outputs; 3 video outputs; 2 S-video outputs; line-level outputs; mono subwoofer output. 7 surround modes; auto input balance; digital delay adjustable from 0 to 40 ms in 5-ms steps; 16 AM/FM presets; last-station memory; FL display; programmable remote control. 80 W x 2 + 35 x 3 into 8 ohms. FM: 50-dB quieting sens 38.5 dB stereo; S/N 75 dB stereo; THD 0.2% stereo. . . . . \$750

### AVR-61C 205-W A/V Receiver

5 channels with Dolby Pro Logic decoder. 6 audio inputs; 3 video inputs; front-panel A/V input; 4 audio outputs; 2 video outputs; line-level outputs. Features 6 surround modes; auto input balance; digital delay adjustable from 0 to 40 ms in 5-ms steps; 16 AM/FM presets; last-station memory; FL display; programmable remote control. 20 W x 2 + 55 x 3 into 8 ohms. FM: 50-dB quieting sens 38.5 dB stereo; S/N 75 dB stereo; THD 0.2% stereo. . . . . \$600

### DRA-545R 60-W/ch Receiver

2 channels. Features discrete amplifiers; 3-pole-equivalent tuner front end; electronic source switching; bass-EQ circuit; motor-driven volume control. 2 video inputs; 2 video outputs; line-level outputs. 16 AM/FM presets; auto-seek and manual-step tuning; last-station memory; variable loudness control; last-function memory; IS-system remote control. 60 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 78 dB MM, 95 dB line. FM: 50-dB quieting sens 38.5 dB stereo; cap ratio 1.5 dB; S/N 78 dB stereo; ch sep 40 dB; THD 0.15% stereo. AM: usable sens 18  $\mu$ V; S/N 55 dB. . . . . \$350  
**DRA-345R.** As above, without video section. 45 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. . . . . \$280

## DUAL

### CR-5950RC 70-W/ch Receiver

2 channels. Features Class A amplification; digital quartz-synthesis tuning; brushed metal housing; motor-driven volume control. 6 inputs including phono; gold-plated phono and CD inputs. 16 AM/FM presets; FM-stereo muting; auto/manual station scan; bass, treble, balance, and loudness controls; remote control. 70 W x 2 cont avg into 8 ohms at 1,000 Hz or 130 x 2 into 4 ohms. S/N 75 dB phono, 95 dB line. Black anodized finish. . . . . \$620

### CR-9065RC 60-W/ch Receiver

2 channels. Features Class A amplification; digital quartz-synthesis tuning; motor-driven volume control. 6 inputs including phono; gold-plated phono and CD inputs; banana/screw-type speaker outputs. 40 AM/FM presets; auto/manual station scan; auto preset store; 4-character station labeling; A/B speaker switching; 2-color LCD; remote control. 60 W x 2 cont into 8 ohms or 75 x 2 into 4 ohms. Black. . . . . \$480

## FISHER

### RS646 300-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Class A-II circuitry; 7-band graphic EQ; motor-driven volume control. 5 audio and 3 AV inputs; S-video inputs; front-panel AV input; headphone jack. Normal/phantom center-channel modes; calibration test

# R E C E I V E R S

tone; manual input balance; video dubbing capability; 30 AMFM presets; direct-station access; A/B speaker switching; timer; remote control. 120 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 20 x 3 at 1,000 Hz (center, rear). FM: 50-dB quieting sens 42.1 dB stereo; cap ratio 1.5 dB. 17 $\frac{3}{4}$  x 5 $\frac{3}{4}$  x 13 $\frac{3}{8}$  in; 22 lb ..... \$500

## RS636 240-W A/V Receiver

4 channels with Dolby Surround decoder. Features 7-band graphic EQ; motor-driven volume control. 5 audio and 2 A/V inputs; 2 audio and 2 A/V outputs. Manual input balance; video dubbing capability; 30 AMFM presets; direct-station access; A/B speaker switching; timer; remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 20 x 2 rms (rear). FM: 50-dB quieting sens 42 dB stereo; cap ratio 1.5 dB; all-ch sel 55 dB. 17 $\frac{3}{8}$  x 5 $\frac{3}{4}$  x 13 $\frac{3}{8}$  in; 22 lb ..... \$400

## RS616 50-W/ch Receiver

2 channels. Features 5-band graphic EQ; quartz-synthesis tuner. 6 audio and 2 video inputs; headphone jack. FL display; remote control; motor muting and loudness. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. FM: 50-dB quieting sens 42.1 dB stereo; cap ratio 1.5 dB; all-ch sel 55 dB. 17 $\frac{1}{4}$  x 4 $\frac{3}{8}$  x 13 $\frac{3}{8}$  in; 13.6 lb ..... \$300

## HARMAN KARDON

*The following feature a high-current, low negative feedback amp section with discrete circuitry and a digital-synthesis, quartz-locking AM/FM tuner with seek tuning.*

## AVR30 190-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. 4 video input; 2-VCR monitor loops; 4 audio inputs; 2 tape-monitor loops. 4 room-size settings; 5 effects levels. 12-way dubbing matrix; simulcast capability; on-screen displays; memory presets for surround and DSP settings; 16 AMFM presets; remote control. 50 W x 3 into 6 ohms from 20-20,000 Hz with 0.09% THD (front, center) + 20 x 2 into 4 ohms from 100-10,000 Hz with 0.3% THD (rear) or 60 x 2 into 6 ohms from 20-20,000 Hz with 0.09% THD ..... \$1,049

## HK3600 75-W/ch Receiver

2 channels. 7 inputs/outputs including subwoofer out; dual tape- and video-monitor loops; interactive video switching. 7-way tape-copy selector; 16 AMFM presets; seek tuning; motor-driven volume control; separate volume control for subwoofer; loudness, mono, and subsonic-filter switches; remote control. 75 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. S/N 78 dBa phono, 98 dBa line. FM: 50-dB quieting sens 37.2 dB stereo; cap ratio 1 dB; adj-ch sel 5 dB; all-ch sel 70 dB. 17 $\frac{3}{8}$  x 4 $\frac{7}{8}$  x 13 $\frac{1}{2}$  in; 18.8 lb ..... \$799

**HK3500.** As above, without interactive video switching or subsonic filter. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. Cap ratio 1.5 dB; adj-ch sel 10 dB; all-ch sel 75 dB. 16.4 lb ..... \$549

**HK3400.** As HK3500, 6 inputs. 35 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. 14.9 lb ..... \$429

**HK3300.** As HK3400, without remote control or motor-driven volume control. 25 W x 2 into 8 ohms with 0.09% THD. 13.5 lb ..... \$319

## JVC

## RX-307VTN 80-W/ch Receiver

2 channels. Connections for 2 speaker pairs; headphone jack. Motor-driven volume control with LED; 40 AMFM presets; FL display; A/V remote control; Compu Link system compatibility. 80 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.03% THD. FM: 50-dB quieting sens 38.3 dB stereo; S/N 80 dB mono, 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$  x 5 x 13 in; 18.4 lb ..... \$280

## RX-207VTN 40-W/ch Receiver

2 channels. Connections for 2 speaker pairs; headphone jack. Motor-driven volume control with LED; 40 AMFM presets; FL display; remote control; Compu

Link system compatibility. 40 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.08% THD. FM: 50-dB quieting sens 38.3 dB stereo; S/N 80 dB mono, 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$  x 5 x 13 in; 14.8 lb ..... \$240

## A/V Receivers

*The following feature Compu Link presets to store and recall 3 sets of volume, balance, EQ, surround, loudness, and ambience settings for each program source and tuner preset.*

## RX-905VTN 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics; 7-band graphic EQ with 5 programmable and 5 factory presets. 3 video inputs; 2 S-video terminals; video-monitor output; connectors for 2 speaker pairs; subwoofer output; headphone jack. Hall, pavilion, stadium, and live-club digital ambience modes; 40 AMFM presets with 5-letter labeling; dot-matrix peak display; adjustable digital delay; on-screen displays; programmable remote control. 120 W x 2 with 0.007% THD (front) + 70 x 1 (center) + 30 x 2 (rear) with 0.7% THD, all rms into 8 ohms; 360 x 2 into 2 ohms. FR 20-20,000 Hz  $\pm$  0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 15 $\frac{1}{2}$  in; 27.6 lb ..... \$1,100

## RX-807VTN 345-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics; 7-band graphic EQ with 5 programmable and 5 factory presets. 2 video inputs; connectors for 2 speaker pairs; headphone jack. 40 AMFM presets with 5-letter labeling for 20 stations; adjustable digital delay; dot-matrix peak display; programmable remote control. 120 W x 2 (front) + 65 x 1 (center) + 20 x 2 (rear) with 0.007% THD, all rms into 8 ohms; 200 x 2 into 4 ohms. FR 20-20,000 Hz  $\pm$  0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 15 in; 25 lb ..... \$640

## RX-707VTN 290-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics; 7-band graphic EQ with 5 programmable and 5 factory presets. 2 video inputs; connectors for 2 speaker pairs; headphone jack. 40 AMFM presets with 4-letter labeling for 20 stations; adjustable digital delay; dot-matrix peak display; A/V remote control. 100 W x 2 with 0.007% THD (front) + 50 x 1 (center) + 20 x 2 (rear) with 0.7% THD, all rms into 8 ohms; 200 x 2 into 4 ohms. FR 20-20,000 Hz  $\pm$  0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 15 in; 23 lb ..... \$520

## RX-507VTN 200-W A/V Receiver

3 channels with Dolby Pro Logic decoder. Features 7-band graphic EQ with 5 programmable and 5 factory presets. Line-level center-channel output; 2 video inputs; connectors for 2 speaker pairs; headphone jack. 40 AMFM presets with 4-letter labeling for 20 stations; adjustable digital delay; FL display; A/V remote control. 80 W x 2 rms into 8 ohms with 0.007% THD (front) + 40 x 1 rms into 8 ohms with 0.7% THD (center). FR 20-20,000 Hz  $\pm$  0.5 dB phono, 10-30,000 Hz  $\pm$  1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$  x 5 x 13 in; 17.7 lb ..... \$390

## Super Digifine Series

## RX-1050VTN 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Normal, wide, and phantom center-channel modes; Dolby 3 Stereo mode; adjustable room-size, live-ness, and wall-type parameters; 7-band graphic EQ with 5 presets. Fiber-optic and coaxial digital inputs;

MM/MC phono input; 3 video inputs; S-video terminals; video-monitor output. Symphony-hall, pavilion, stadium, live-club, church, and opera-house digital ambience modes; 40 AMFM presets; programmable remote control. 120 W x 2 with 0.007% THD (front) + 70 x 1 (center) + 30 x 2 (rear) with 0.7% THD, all rms into 8 ohms. FR 5-50,000 Hz +0, -1 dB. FM: 50-dB quieting sens 38.3 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{3}{8}$  x 6 $\frac{1}{4}$  x 15 $\frac{1}{2}$  in; 28 lb ..... \$1,600

## KENWOOD

*The following feature proprietary Voltage Interface Gate circuitry for low-impedance capability. Common amp specs include FR 20-20,000  $\pm$  0.5 dB phono, 10-50,000 Hz +0, -3 dB line; S/N 78 dB phono, 100 dB line. Common FM specs include 50-dB quieting sens 38.2 dB.*

## KR-V9030 265-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; Dolby 3 Stereo mode; multitroom capability; discrete amp circuitry; CD-direct switch; two power supplies. 4 audio inputs; MM phono input; 3 video inputs including 1 S-video; 3 video outputs including 1 S-video; line-level rear-channel output. 6 surround modes; 6 surround-parameter presets; large and small theater modes; normal, wide, and phantom center-channel modes; adjustable digital delay; auto input balance for Dolby Pro Logic mode; Dolby test-tone generator; 30 AMFM presets with scan; 10-key direct station access; video dubbing capability; 3 switched AC outlets; programmable remote control. 130 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD or 75 x 3 (front, center) + 20 x 2 (rear) into 8 ohms at 1,000 Hz with 0.9% THD. FM: S/N 74 dB and THD 0.2% at 1,000 Hz stereo; AM rej 65 dB; ch sep 50 dB at 1,000 Hz; cap ratio 2 dB. AM: S/N 50 dB. 17 $\frac{3}{8}$  x 6 $\frac{1}{2}$  x 16 $\frac{3}{8}$  in; 32.1 lb ..... \$980

## KR-V8540 255-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features Dolby 3 Stereo mode; discrete amp circuitry; CD- and source-direct switches; motor-driven volume control. 3 audio and 3 video inputs; MM phono input; 3 video outputs; line-level left, right, center, and rear outputs; connectors for 2 speaker pairs. Jazz-club, disco, arena, and stadium ambience presets; large and small theater modes; 4 surround user presets; normal, wide, and phantom center-channel modes; auto input balance for Dolby Pro Logic; adjustable digital delay; Dolby test-tone generator; 20 AMFM presets with labeling; 10-key direct station access; video dubbing capability; variable loudness control; 3 switched AC outlets; system remote-control compatibility; programmable remote control. 120 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 75 x 3 (front, center) + 15 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. FM: S/N 73 dB and THD 0.5% at 1,000 Hz stereo; ch sep 45 dB at 1,000 Hz. AM: S/N 48 dB. 17 $\frac{3}{8}$  x 5 $\frac{3}{4}$  x 15 $\frac{1}{4}$  in ..... \$700

**KR-V8040.** As above, 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 65 x 3 (front, center) + 15 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. No line-level outputs for each channel; nonprogrammable remote ..... \$600

## KR-V7040 225-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; Dolby 3 Stereo mode; discrete amp circuitry; CD- and source-direct switches; motor-driven volume control. 4 audio inputs; MM phono input; 2 video inputs; 2 video outputs; connectors for 2 speaker pairs. 4 surround user presets; normal, wide, and phantom center-channel modes; adjustable digital delay; 20 AMFM presets with labeling; 10-key direct station access; video dubbing capability; 3 switched AC outlets; variable loudness control; system remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 65 x 3 (front, center) + 15 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. FM: S/N 73 dB and THD 0.5% at 1,000 Hz stereo; ch sep 40 dB at 1,000 Hz. AM: S/N 50 dB. 17 $\frac{3}{8}$  x 5 $\frac{3}{4}$  x 15 $\frac{1}{4}$  in; 26.5 lb ..... \$500



# Adcom announces the cure for the common receiver.



Today, there is no reason to compromise your favorite music by listening to a common receiver. Because the Adcom GTP-400 tuner/preamplifier with GFA-535 (60 watts per channel)\* amplifier gives you all the benefits of Adcom's legendary clear, dynamic sound for a price close to that of an ordinary receiver.

## Why Separates?

The limited space in receivers prevents the use of heavy duty, high-current, high-voltage power supplies found in the best separate components. Consequently, the performance of receivers is compromised for their questionable advantage of all-in-one convenience.

By dividing the tuner/preamplifier from the power amplifier, Adcom isolates low-current, low-voltage circuits from high-current, high-voltage elements ensuring sonic purity and demonstrably superior performance.

## More Sound—Less Money

Many of Adcom's components have been favorably compared to other components costing two and three times more. The GTP-400 with GFA-535 is a combination that promises to keep faith with this tradition of offering superb performance at a reasonable cost.

The price of these Adcom separates is close to that of an ordinary receiver. But no receiver will deliver the wide dynamic range and musical satisfaction of an Adcom system.

Ask your Adcom dealer for a demonstration of these affordable separates. You'll never listen to a common receiver again.

*\*Power output, watts/channel, continuous both channels driven into 8 ohms, 20 Hz - 20 kHz < 0.09% THD.*

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details you can hear

# R E C E I V E R S

## KR-V6040 250-W A/V Receiver

4 channels with Dolby Surround decoder. Features Dolby Time Link digital-delay system; Dolby 3 Stereo mode; discrete amplifier circuitry; CD-direct switch; motor-driven volume control. 4 audio inputs; MM phono input; 2 video inputs; 2 video outputs; connectors for 2 speaker pairs. 4 surround user presets; adjustable digital delay; 10 AM/20 FM presets with labeling; 10-key direct station access; video dubbing capability; A/B speaker switching; variable loudness control; 3 switched AC outlets; system remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 110 x 2 rms with 0.06% THD (front) + 15 x 2 rms with 0.9% THD (rear) into 8 ohms. FM: S/N 73 dB and THD 0.5% at 1,000 Hz stereo; ch sep 40 dB at 1,000 Hz. AM: S/N 50 dB. 17 $\frac{3}{8}$  x 5 $\frac{7}{8}$  x 15 $\frac{1}{4}$  in.; 22 lb. \$400

## KR-V5040 80-W/ch Receiver

2 channels. Features discrete amp circuitry; separate power transformers for audio and control sections; CD-direct switch; motor-driven volume control. 3 audio inputs; MM phono input; connectors for 2 speaker pairs. 10 AM/20 FM presets with scan; 10-key direct station access; A/B speaker switching; switchable loudness; system remote control. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD. FM: THD 0.5% and S/N 73 dB at 1,000 Hz stereo; ch sep 45 dB at 1,000 Hz. AM: S/N 50 dB. 17 $\frac{3}{8}$  x 5 $\frac{7}{8}$  x 13 $\frac{1}{8}$  in.; 18.7 lb. \$300

**KR-V4040.** As above, 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD. Without separate transformers or remote control. 17 $\frac{3}{8}$  x 5 $\frac{7}{8}$  x 11 $\frac{1}{4}$  in.; 12.1 lb. \$230

## LUXMAN

The following feature multiroom capability.

## RV-371 290-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. 11 A/V inputs; front-panel S-video and AV inputs; headphone jack. 4 simulated-surround modes; variable digital delay; video dubbing capability; separate A/V rec-out selectors. 70 W x 2 with 0.04% THD (front) + 50 x 1 with 0.04% THD (center) + 50 x 2 with 0.05% THD (rear), all cont avg into 8 ohms \$1,500

## R-361 100-W/ch Receiver

2 channels. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. 11 A/V inputs; front-panel S-video and AV inputs; fixed line-level outputs; headphone jack. Video dubbing capability; separate A/V rec-out selectors; one-touch CD-to-tape rec with compatible equipment. 100 W x 2 cont avg into 8 ohms with 0.04% THD \$1,100

## R-351 55-W/ch Receiver

2 channels. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. Fixed line-level outputs. Two-way dubbing capability; 8-position rec-out selector; one-touch CD-to-tape rec with compatible equipment. 55 W x 2 cont avg into 8 ohms with 0.05% THD. FM: 50-dB quieting sens 14 dBf mono, 38 dBf stereo; cap ratio 1.5 dB; all-ch sel 65 dB. 17 $\frac{1}{4}$  x 5 x 14 $\frac{1}{2}$  in.; 19.2 lb. \$650

## R-341 35-W/ch Receiver

2 channels. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. Line-level outputs; main-in inputs; 4-way binding posts. Sleep timer; auto shut-off. 35 W x 2 cont avg into 8 ohms with 0.05% THD. FM: 50-dB quieting sens 14 dBf mono, 38 dBf stereo; cap ratio 1.5 dB; all-ch sel 65 dB. 17 $\frac{1}{4}$  x 5 x 14 $\frac{1}{2}$  in.; 17.4 lb. \$450

## MARANTZ

## SR-92 365-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features low-imp-drive capability; wideband AM reception; A/B main-speaker switching; motor-driven volume control; multiroom capability. 4 video inputs including front-panel S-video, composite-video and audio in-

puts; S-video and composite-video inputs and outputs; line-level subwoofer output; banana-plug connectors for 9 speakers; 5 pre-out/main-in loops; 2 antenna inputs. Hall, matrix, and simulated-stereo surround modes with adjustable digital delay; Dolby test-tone generator; 30 AM/FM presets with wide/narrow IF memory and 2-week battery-free backup; 10-key direct station access; switchable wide/narrow IF; auto/manual scan; switchable bass boost; alphanumeric FL display; timer; programmable remote control. 110 W x 2 from 20-20,000 Hz (front) + 75 x 1 from 40-20,000 Hz (center) + 35 x 2 from 40-20,000 Hz (rear), all rms into 8 ohms. S/N 75 dB MM, 82 dB line. FM: cap ratio 1 dB; THD 0.5% stereo at 1,000 Hz; all-ch sel 60 dB wide, 70 dB narrow; S/N 68 dB stereo at 1,000 Hz. AM: sens 500  $\mu$ V/m; S/N 50 dB; image rej 40 dB. Gold finish with matching side panels. 17 $\frac{7}{8}$  x 5 $\frac{3}{4}$  x 15 in.; 34 lb. \$1,099

## SR-82 285-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features multiroom capability; motor-driven volume control. 7 audio inputs; 4 composite-video inputs; 2 S-video inputs; front-panel S-video input; coaxial CATV input; 2 antenna inputs; pre-out/main-in loops; subwoofer output with 70-Hz, 12-dB/oct crossover; RC-5 interface for remote compatibility with Marantz components. Hall-, matrix-surround and simulated-stereo mode; 30 AM/FM presets, each with memory for alphanumeric label, IF-bandwidth setting, and antenna input; auto preset programming; switchable FM high-boost and narrow/wide IF; test-tone generator; video dubbing capability; switchable bass boost; clock; on/off and sleep timers; FL display; programmable remote control. 75 W x 3 (front, center) + 30 x 2 (rear) into 8 ohms. 17 $\frac{7}{8}$  x 5 $\frac{3}{4}$  x 15 in. \$849

## SR-62 70-W/ch Receiver

2 channels. Features low-imp-drive power supply; high-current discrete output transistors; wideband AM reception; motor-driven volume control. 3 audio inputs; 3 A/V inputs; banana-plug connectors for 2 speaker pairs. Simulcast capability; 30 AM/FM presets with battery-free backup; auto preset store; 10-key direct station access; switchable bass EQ; narrow-band bass and treble controls; on/off timer; remote control. 70 W x 2 into 8 ohms with 0.09% THD. 75 x 2 rms into 4 ohms, or 170 x 2 into 2 ohms. S/N 77 dB MM, 86 dB line. FM: 50-dB quieting sens 35.2 dBf stereo; cap ratio 1.2 dB; THD 0.4% stereo at 1,000 Hz; all-ch sel 65 dB; S/N 75 dB stereo at 1,000 Hz; ch sep 45 dB at 1,000 Hz. AM: sens 500  $\mu$ V/m; S/N 50 dB; image rej 40 dB. 16 $\frac{1}{2}$  x 4 $\frac{5}{8}$  x 13 $\frac{1}{8}$  in.; 17 lb. \$399

**SR-52.** As above, 45 W x 2 into 8 ohms from with 0.09% THD, 50 x 2 rms into 4 ohms, or 90 x 2 into 2 ohms. No simulcast capability. 15 lb. \$299

## McINTOSH

### MAC 4300V 100-W/ch Receiver

2 channels. Features SLL tuning system, DMOSET FM amp tuner; J-FET AM section; MPX filter; anti-clipping circuitry. 2 tape-monitor loops; 2 additional infrared sensor inputs for multiroom control. 5-band EQ; loudness control; 6 AM/FM presets; signal-strength indicator; remote control. 100 W x 2 cont avg into 8 or 4 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.02%; S/N 80 dBA phono, 90 dBA line. FM: 50-dB quieting sens 37 dBf stereo; cap ratio 1.5 dB; S/N 75 dB stereo. 18 $\frac{1}{2}$  x 6 $\frac{1}{8}$  x 14 in.; 34.5 lb. \$2,995

**R 623.** Remote volume control for above \$269

### MAC 4280 75-W/ch Receiver

2 channels. Features anti-clipping circuitry; MPX filter. 3-band EQ; 5 AM/FM presets; station scan; signal-strength indicator. 75 W x 2 cont avg into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.03%; S/N 100 dBA. FM: THD 0.1% at 1,000 Hz; S/N 75 dB stereo. 18 $\frac{1}{4}$  x 5 $\frac{1}{4}$  x 15 $\frac{1}{2}$  in.; 25 lb. \$1,995

## MITSUBISHI

### HTS-300 400-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features video processor with comb-filter, Y/C combiner, and

wide-band amplifier. Stadium, club, and theater surround modes; multi-feedback servo; ceramic filter; 4-ganged front end; high-cut filters; Dolby Time-Link digital-delay system. Front-, center-, and rear-channel line-level outputs; subwoofer, multiroom, monitor, 3 record, and 3 S-video record outputs; 11 rear-panel and 2 front-panel inputs; headphone jack. 16 AM/FM presets with labeling; on-screen displays; tone controls; programmable and multiroom remote control. 100 W x 2 (front) + 100 x 1 (center) + 50 x 2 (rear), all rms into 8 ohms with 1% THD. 16 $\frac{3}{4}$  x 6 $\frac{3}{4}$  x 16 $\frac{5}{8}$  in.; 39 lb. \$1,699

## M-R8010 300-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features stadium, club, and theater surround modes; subsonic and high-cut filters; auto calculation of room-delay setting; stereo blend. Center-channel, subwoofer, surround, and monitor outputs; phono input and 6 A/V inputs; 2 S-video inputs; headphone jack. 16 AM/FM presets; on-screen menus; clipping indicator; bass, treble, and motor-driven-volume controls; programmable remote control. 125 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 25 x 2 into 8 ohms from 50-10,000 Hz with 0.5% THD (rear), S/N 80 dB \$1,399

## M-R7020 80-W/ch Receiver

2 channels. Features stadium, club, theater, and matrix surround modes; subsonic and high-cut filters; stereo blend; motor-driven volume control. Surround, VCR, and monitor outputs; phono input; line-level outputs; 6 A/V inputs/outputs including 2 S-video; headphone jack. 16 AM/FM presets; on-screen menus; clipping indicator; bass and treble controls; programmable remote control. 80 W x 2 cont avg into 8 ohms with 0.05% THD \$1,049

## M-R6030 80-W/ch Receiver

2 channels. Features matrix surround circuitry; subsonic and high-cut filters. 6 A/V inputs/outputs; surround output; line-level outputs; phono input, motor-driven volume control. 16 AM/FM presets with scan; bass and treble controls; tone defeat; FM muting. 80 W x 2 cont avg into 8 ohms with 0.05% total harmonic distortion \$799

## NAD

The following feature Power Envelope circuitry to increase dynamic headroom and Soft Clipping circuitry to prevent speaker-damaging distortion.

## Model 7100X 60-W/ch Receiver

2 channels. Features FM NR; 4-transistor MM MC phono stage; switchable infrasonic filter; bridgeable. Gold-plated phono inputs; pre-out/main in loop. Bass EQ; 14 AM/FM presets; imp selector; remote control. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 75 dB MC, 94 dBA line; dynamic headroom 5.5 dB. FM: cap ratio 1.6 dB; all-ch sel 70 dB. 17 $\frac{1}{8}$  x 4 $\frac{1}{4}$  x 15 $\frac{1}{8}$  in.; 24 lb. \$749

## Model 705 40-W/ch Receiver

2 channels. Features dual-gate MOSFET PLL tuner design; infrasonic filtering in phono stage; IF-count circuitry. 7 line-level inputs; 2 tape-monitor loops; buffered multiroom output; 5-way binding posts. Independent listen/rec capability; loudness and tone controls; 39 AM/FM presets; dual-resolution manual and auto-seek tuning; A/B speaker switching; remote control. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz  $\pm$ 0.5 dB with 0.03% THD. S/N 76 dBA phono, 90 dBA line; dynamic headroom 3.5 dB. FM: 50-dB quieting sens 35 dBf stereo; cap ratio 1.8 dB; all-ch sel 60 dB \$499

## Model 701 25-W/ch Receiver

2 channels. Features infrared-repeater input for multiroom applications; switchable phono/line input. 20 AM/FM presets; remote control \$349

## Model 7225PE 20-W/ch Receiver

2 channels. Infrasonic filter. Gold-plated phono inputs; 5-way speaker binding posts; pre-out/main-in

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## Introducing the new Adcom GTP-500 II Tuner/Preamplifier.

Only a few years ago, Adcom announced the dawn of a new era by introducing its GTP-500 tuner/preamplifier. Together with any of Adcom's critically acclaimed power amplifiers, this unique audio product has given thousands of cost-minded, serious music lovers a quality alternative far superior to the common receiver. The new, evolutionary GTP-500 II offers a meaningful expansion of convenient features and sonic performance.

### Full Command Of Your Music System

Control your system's power on/off, select pre-programmed FM and AM stations, scan the FM dial, adjust volume level and select different sources... all with Adcom's wireless remote controller. With optional Adcom remote sensors and additional loudspeakers, you can also enjoy your Adcom music system in other rooms throughout your home.

For total music system integration, the GTP-500 II remote sensors will also receive and retransmit commands to a majority of remotely controlled components, regardless of brand. This remarkable design gives you full command of your entire music system throughout your home and offers the ultimate flexibility of integrating the remote features of components manufactured by others.

### Value Measured By Performance

The overall performance of the new GTP-500 II is demonstrably superior through its evolutionary design

and the use of state-of-the-art component parts.

Adcom's unique, low-impedance RIAA compensation provides lower noise and distortion in the phono input stage. To further reduce noise and distortion in all stages, all switching devices are buffered.

Long term adherence to circuit design objectives is accomplished by utilizing 1% Roederstein resistors in all critical applications as well as a new low-loss, printed circuit board.

Through a careful balance of sensitivity and selectivity, the GTP-500 II optimizes FM performance whether you're in an urban or rural area. Design parameters, including an improved IF stage, have been optimized to translate into lower distortion. In fact, the quality of FM stereo reproduction through the GTP-500 II is as good as the broadcast itself.

### More Sound, Less Money

Adcom stereo components have established a reputation for sounding superior to components costing two and three times as much. The new GTP-500 II promises to keep faith with this tradition of more sound for less money.

Its ability to command your entire music system by remote control, and its exceptional sonic performance are why so many experts consider the GTP-500 II to be Adcom's command performance.

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details you can hear

# R E C E I V E R S

loop. Bass EQ; imp selector. 20 W x 2 cont avg into 8 ohms from 20-20,000 Hz +0.5. -1 dB with 0.03% THD. S/N 75 dBA MC, 85 dBA line, dynamic headroom 4 dB. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1.5 dB; all-ch sel 58 dB. 16 1/2 x 3 1/4 x 10 3/4 in; 12 lb ..... \$299

## NAKAMICHI

*The following feature multiroom capability with inputs for up to 3 Infrared repeaters. All models, except Receiver 3, feature Harmonic Time Alignment amp circuitry to eliminate distortion components out-of-phase with input signal.*

### Receiver 1 80-W/ch Receiver

2 channels. Features isolated-ground topology; multi-regulated power supply; video buffer amp; PLL tuner with dual-gate MOSFET, ceramic resonator multiplex section, and isolation buffer at output. Pre-out/main-in loops; 3 video inputs; 2 video outputs. 10 AM FM presets; A/B speaker switching; remote control. 80 W x 2 into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; total harmonic distortion 0.1%; signal-to-noise ratio 100 dB. FM: 50-dB quieting sensitivity 37.5 dB stereo. 17 x 4 x 14 1/2 in; 24 lb ..... \$969

### Receiver 2 55-W/ch Receiver

2 channels. Features isolated-ground topology; multi-regulated power supply; PLL tuner with dual-gate MOSFET and isolation buffer at output. Pre-out/main-in loops. 10 AM FM station presets; A/B speaker switching; remote control. 55 W x 2 into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.1%; S/N 100 dB. FM: 50-dB quieting sens 38.5 dB stereo; cap ratio 2 dB. 17 x 4 x 14 1/2 in ..... \$649

### Receiver 3 37-W/ch Receiver

2 channels. Features isolated-ground topology; multi-regulated power supply; PLL tuner with dual-gate MOSFET. Pre-out/main-in loop. 10 AM FM station presets; remote control. 37 W x 2 into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.1%; S/N 98 dB. FM: 50-dB quieting sens 38.5 dB stereo; cap ratio 2 dB. 17 x 4 x 10 7/8 in ..... \$399

## ONKYO

### Integra TX-SV909PRO 450-W A/V Receiver

7 channels with digital Dolby Pro Logic decoder. Features 3 power transformers; motor-driven volume control. 5 audio inputs; 6 S-video inputs; fiber-optic digital input; 5 audio outputs; 3 S-video outputs; line-level front, rear, center-channel, front-ence, and subwoofer outputs; 5-way binding posts; gold-plated terminals. Ambisonic surround decoder; 8 surround modes; 40 AM FM presets; 6 preset groups with scan; direct station access; A/V and audio-only rec selectors; video dubbing capability; source-direct switch; on-screen displays; sleep timer; Onkyo RI-system compatibility; programmable remote control. 110 W x 2 rms into 8 ohms, 260 x 2 max into 3 ohms, or 110 x 3 (front, center) + 30 x 2 (rear) + 30 x 2 (front enhance) ..... \$1,800

### TX-SV70PRO 315-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby 3 Stereo mode. 6 audio and 4 video inputs; front-panel A/V input; line-level front, rear, center-channel, and subwoofer outputs; 5-way binding posts; headphone jack. Hall and matrix surround modes; adjustable digital delay; on-screen displays; 30 AM FM presets; 6 preset groups; direct station access; FM-mute and tuning-level switches; sleep timer; Onkyo RI-system compatibility; programmable remote control. 90 W x 2 rms or 85 x 3 rms (front, center) + 30 x 2 (rear) ..... \$850

### TX-SV50PRO 200-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features Dolby 3 Stereo mode. 6 audio and 4 video inputs; line-level center-channel output; 5-way binding posts; headphone jack. Hall and matrix surround modes; adjustable digital delay; 30 AM FM presets; 6 preset groups; FM-mute and tuning-level switches;

sleep timer; Onkyo RI-system compatibility; programmable remote control. 75 W x 2 rms or 70 x 2 rms (front) + 30 x 2 (rear) ..... \$630

### TX-SV303PRO 184-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features motor-driven volume control. 6 audio inputs; 2 video inputs; rear and center-channel line-level outputs. Hall surround mode; adjustable digital delay; 40 AM FM presets with battery-free backup; 6 preset groups with scan; direct station access; video dubbing capability; source-direct switch; rec-out selector; sleep timer; Onkyo RI-system compatibility; remote control. 80 W x 2 rms + 12 x 2 into 8 ohms or 155 x 2 into 3 ohms ..... \$500

### TX-905 144-W Receiver

4 channels. Features auto tuner reception-optimization system to select mode, high-blend, and sens; motor-driven volume control. 6 audio inputs; 2 video inputs. 40 AM FM presets with battery-free backup; 6 preset groups with scan; direct station access; video dubbing capability; rec-out selector; source-direct switch; sleep timer; Onkyo RI-system compatibility; remote control. 60 W x 2 rms + 12 x 2 into 8 ohms or 130 x 2 max into 3 ohms ..... \$400

### TX-903 60-W/ch Receiver

2 channels. Features logic-control feather-touch keys; auto tuner reception-optimization system; motor-driven volume control. 6 audio inputs; outputs for 2 speaker pairs. 40 AM FM presets with battery-free backup; 6 preset groups; direct station access; loudness control; sleep timer; Onkyo RI-system compatibility; remote control. 60 W x 2 rms into 8 ohms or 120 x 2 max into 3 ohms ..... \$280

### TX-901 45-W/ch Receiver

2 channels. Features auto tuner reception-optimization system; logic-control feather-touch keys. 6 audio inputs; outputs for 2 speaker pairs. 40 AM FM station presets with battery-free backup; 6 preset groups; direct station access; FM mute switch; loudness control; FL display. 45 W x 2 rms into 8 ohms or 105 x 2 max into 3 ohms ..... \$220

## OPTIMUS by RADIO SHACK

### STAV-3250 220-W A/V Receiver

4 channels with Dolby Surround decoder. Features digital-synthesis tuner with FM signal-overload protection; thermal, power-surge, and short-circuit protection circuitry. 3 A/V inputs; front-panel A/V input; 2 audio inputs including phono; 2 tape-monitor loops; video-monitor output. Concert-hall and stadium modes; 30 AM FM presets with labeling; FM mono/mute button, video and audio dubbing; 5-band graphic EQ; alphanumeric display. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 10 x 2 rms into 8 ohms at 1,000 Hz with 0.5% THD (rear). S/N 82 dB phono, 94 dB line; THD 0.008% at 1,000 Hz, 80 W. FM: S/N 77 dB; cap ratio 1.5 dB; THD 0.14% stereo; image rej 80 dB; IF rej 90 dB; ch sep 55 dB at 1,000 Hz. AM: image rej 37 dB; IF rej 60 dB. 17 3/8 x 5 3/8 x 17 in; 27.3 lb ..... \$450

### STAV-3160 245-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features digital-synthesis tuner with FM signal-overload protection; thermal, power-surge, and short-circuit protection circuitry. 3 audio inputs including phono; 2 A/V inputs; video-monitor output. Dolby 3 Stereo mode; concert-hall sound field; 30 AM FM presets with labeling; FM mono/mute button; video dubbing. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 15 x 3 rms into 8 ohms at 1,000 Hz with 0.5% THD (center, rear). S/N 82 dB phono, 94 dB line; THD 0.008% at 1,000 Hz. FM: S/N 77 dB; cap ratio 1.5 dB; THD 0.14% stereo; image rej 80 dB; IF rej 90 dB; ch sep 55 dB at 1,000 Hz. AM: image rej 37 dB; IF rej 60 dB. 17 3/8 x 5 3/8 x 17 in; 27.3 lb ..... \$400

### STA-2170 100-W/ch Receiver

2 channels. 3 line-level inputs; MM phono input. 8 AM/16 FM presets; loudness, FM mono/mute, and tape-

monitor controls. FR 20-20,000 Hz  $\pm$  1 dB; S/N 82 dB phono, 95 dB line. FM: cap ratio 2 dB; IF rejection 85 dB; THD 0.4%; ch sep 45 dB at 1,000 Hz. 4 1/2 x 17 1/4 x 13 1/2 in ..... \$300

### STA-900 70-W/ch Receiver

2 channels. Features CMOS frequency-synthesis tuner; thermal, power-surge, and short-circuit protection circuitry. 3 audio inputs; 1 tape-monitor loop; phono input; headphone jack. 30 AM FM presets; auto FM muting; FM-mono switch; seek tuning; 5-band EQ; balance control; loudness button. 70 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. S/N 82 dB phono, 93 dB line; THD 0.02% at 1,000 Hz. FM: S/N 72 dB; cap ratio 1.2 dB; THD 0.4% stereo; image rej 70 dB; IF rej 85 dB; ch sep 50 dB at 1,000 Hz. AM: image rej 40 dB at 1,400 Hz; IF rej 60 dB at 600 Hz. 17 3/8 x 13 in; 16.8 lb ..... \$250

### STA-825 50-W/ch Receiver

2 channels. Features CMOS frequency-synthesis tuner; thermal, power-surge, and short-circuit protection circuitry. 2 audio inputs; 1 tape-monitor loop; phono input; headphone jack. 30 AM FM presets; auto FM muting; FM-mono switch; seek tuning; bass, treble, and balance controls; loudness button. 50 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. S/N 82 dB phono, 93 dB line; THD 0.02% at 20,000 Hz. FM: S/N 72 dB; cap ratio 1.3 dB; THD 0.3% stereo; image rej 50 dB; IF rej 90 dB; ch sep 43 dB at 1,000 Hz. AM: image rej 40 dB at 1,400 Hz; IF rej 56 dB. 16 1/2 x 4 x 13 in; 15 lb ..... \$200

### STA-795 50-W/ch Receiver

2 channels. Features digital tuning. 3 line-level inputs; MM phono input. 18 AM FM presets; bass and treble controls; FM muting; loudness and tape-monitor controls. FR 40-20,000 Hz; THD 0.5% ..... \$180

### STA-300 15-W/ch Receiver

2 channels. Features digital tuning. 2 line-level inputs; MM phono input. 18 AM FM presets; bass and treble controls; loudness control. FR 40-20,000 Hz; THD 0.5% ..... \$140

### STA-20 5-W/ch Receiver

2 channels. Designed for compact systems. 1 phono input; 1 line-level input. Features loudness switch; treble control. 5 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.9% THD. FR 40-20,000 Hz +0, -1.5 dB; S/N 70 dB phono, 72 dB line. FM: S/N 60 dB; ch sep 35 dB at 1,000 Hz. AM: S/N 37 dB ..... \$100

## PARASOUND

### R/DR-5# 50-W/ch Receiver

2 channels. FMX digital tuner; discrete, high-current output. 6 inputs. 16 AM FM presets; scan/manual tuning; remote control. FR 10-40,000 Hz; dynamic headroom 1.5 dB; THD 0.2%; S/N 90 dB. 19 x 3 1/2 x 12 1/2 in ..... \$435

## PHILIPS

*The following feature a bus system that enables all 900 Series components to communicate with one another. 30 AM FM presets with labeling, and direct station access.*

### FR-940 240-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features dual-room capability; auto cooling fan; electronic speaker switching. 8 audio and 4 video inputs; 2 audio and 2 video outputs; 2 digital inputs; 1 digital output. EQ presets; 5 surround modes; 4 digital delay settings; video dubbing; remote control. 100 W x 2 (front) + 20 x 1 (center) + 10 x 2 (rear), all into 8 ohms ..... \$480

### FR-930 170-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features auto cooling fan; electronic speaker switching; dual-room capability. 7 audio and 3 video inputs; 2 audio and 2 video outputs. EQ presets; 5 surround modes; 4 digital delay settings; video dubbing; remote control.

# R E C E I V E R S

65 W x 2 (front) + 20 x 1 (center) + 10 x 2 (rear), all into 8 ohms ..... \$430

## FR-920 110-W A/V Receiver

4 channels with Dolby Surround decoder. Features electronic speaker switching; dual-room capability. 5 audio and 1 video input, 2 audio and 1 video output. 3 surround modes; digital delay; remote control. 50 W x 2 (front) + 5 x 2 (rear), all into 8 ohms ..... \$270

## FR-910 40-W/ch Receiver

2 channels. 5 audio inputs; 2 audio outputs. Remote control. 40 W x 2 into 8 ohms ..... \$220

## PIONEER

*Models with auto source control feature one-touch power-on and auto recall of 2 source component's previous operating parameters (volume, input, etc.). Unless otherwise noted, all models, including the Elite Series, feature a motor-driven volume control.*

## VSX-D1SII 415-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Features multiroom/multisource capability; digital AM beat reduction; source-direct switch. 6 video and 5 audio inputs including phono; pre-out/main-in loops; front-panel composite/S-video A/V input; 4 S-video inputs and 3 S-video outputs including 2 VCR loops and front-panel input; video signal-processor loop; 2 video-monitor outputs; 2 center-speaker outputs; subwoofer output. Jazz, dance, church, hall, and theater ambience presets; Dolby 3 Stereo and simulated-stereo modes; auto input balance for Dolby Pro Logic mode; adjustable digital delay; split-screen video enhancer with 5 preset levels; video dubbing; rec-out selector; 5 user ambience presets; 30 AM FM presets; digital 3-band EQ for front and center channels and bass and treble controls for rear channels with 5 user presets; FL level meters; sleep timer; programmable SR-system remote control. 130 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 55 x 1 into 8 ohms at 1,000 Hz with 0.08% THD (center) + 50 x 2 into 8 ohms at 1,000 Hz with 0.08% THD (rear) or 70 x 3 into 8 ohms from 20-20,000 Hz with 0.005% THD (front, center) + 55 x 2 into 8 ohms at 1,000 Hz with 0.08% THD (rear); 280 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz ..... \$1,350

## VSX-D901S 395-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Multiroom/multisource capability; source-direct switch. 6 video and 4 audio inputs including phono; pre-out/main-in loops; front-panel composite/S-video A/V input; 4 S-video inputs and 3 S-video outputs including 2 VCR loops and front-panel input; 2 video-monitor outputs; subwoofer output; headphone jack. Jazz, dance, church, hall, and theater ambience presets; Dolby 3 Stereo and simulated-stereo modes; auto input balance for Dolby Pro Logic mode; one-touch surround-parameter memory recall; adjustable digital delay; split-screen video enhancer with 5 preset levels; video dubbing; rec-out selector; 30 AM FM presets with labeling; direct station access; on-screen displays; digital bass and treble controls for front channels with 5 user presets; sleep timer; programmable SR-system remote control. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 55 x 1 into 8 ohms at 1,000 Hz with 0.05% THD (center) + 45 x 2 into 8 ohms at 1,000 Hz with 0.05% THD (rear); 280 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB ..... \$1,140

## VSX-D701S 275-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Features Dolby Time Link digital-delay system; multiroom capability. 5 video and 4 audio inputs including phono; front-panel A/V input; video-monitor output; 2 audio and 2 video outputs; line-level output for each channel. Jazz, dance, church, hall, theater, and simulated-surround ambience presets; Dolby 3 Stereo and simulated-stereo modes; auto input balance for

Dolby Pro Logic mode; surround-parameter memory recall; adjustable digital delay; video dubbing; 30 AM FM presets with labeling; direct station access; 5 factory EQ presets; A/B speaker switching; on-screen displays; sleep timer; programmable SR-system remote control. 110 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 65 x 3 (front, center) + 40 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD; 240 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz ..... \$785

## VSX-D601 275-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Features Dolby Time Link digital-delay system; multiroom capability. 4 video and 4 audio inputs including phono; video-monitor output; line-level outputs for each channel; 2 audio and 2 video outputs; headphone jack. Dance, hall, theater, and simulated-surround ambience presets; Dolby 3 Stereo mode; auto input balance for Dolby Pro Logic mode; adjustable digital delay; one-touch surround-parameter memory recall; simulated-stereo mode; video dubbing; 30 AM FM presets with labeling; direct station access; 5 factory EQ presets; A/B speaker switching; sleep timer; preprogrammed SR-system remote control. 110 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 65 x 3 (front, center) + 40 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD; 240 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz. 16 $\frac{3}{8}$  x 6 $\frac{3}{8}$  x 16 in; 22 lb ..... \$660

## VSX-511S 235-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Dolby Time Link digital-delay system; multiroom capability; quartz-synthesis tuning. 4 video and 4 audio inputs including MM phono; video-monitor output; 2 audio and 2 video outputs; headphone jack. Dolby 3 Stereo, studio/simulated surround, and simulated-stereo modes; auto source control; video dubbing; 30 AM FM presets with labeling; preset scan; direct station access; A/B speaker switching; sleep timer; programmable SR-system remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 65 x 3 (front, center) + 20 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD; 230 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB ..... \$575

**VSX-501.** As above, nonprogrammable remote \$510

## VSX-451 225-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; multiroom capability. 4 audio and 3 video inputs; center-channel output; 2 audio outputs; 2 video outputs; 1 video-monitor output; headphone jack. Dolby 3 Stereo, studio/simulated surround, and simulated-stereo modes. Video dubbing; 30 AM FM presets with labeling; preset scan; direct station access; A/B speaker switching; sleep timer; FL display; SR-system remote control. 80 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.5% THD (front) + 25 x 1 into 8 ohms at 1,000 Hz (center) + 20 x 2 into 8 ohms at 1,000 Hz (rear); 165 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz ..... \$435

## VSX-401 240-W A/V Receiver

4 channels with Dolby Surround decoder. Features discrete output transistors; multiroom capability; motor-driven volume control. 3 audio inputs including phono; 2 video inputs; 1 audio and 2 video outputs; 1 video-monitor output; headphone jack. Studio/simulated surround modes; simulated-stereo mode; adjustable digital delay; 30 AM FM presets with scan; direct station access; 7-band graphic EQ; video signal selector; A/B speaker switching; sleep timer with auto display dimmer; SR-system remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 20 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear); 230 x 2 into 2 ohms. FM: 50-dB quieting sens 37.1 dBf stereo; S/N 76 dB stereo at 85 dBf; alt-ch sel 55 dB at 400 Hz; ch sep 35 dB at 1,000 Hz. 16 $\frac{3}{8}$  x 5 x 13 in; 18.8 lb ..... \$395

## SX-311R 70-W/ch Receiver

2 channels. 5 audio inputs including phono; headphone jack. 30 AM FM presets with scan; direct station access; 5-band graphic EQ; A/B speaker switching; sleep timer; FL display; SR-system remote control. 70 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.8% THD or 145 x 2 into 2 ohms. FM: 50-dB quieting sens 38.6 dBf stereo; S/N 70 dB at 85 dBf stereo; alt-ch sel 50 dB at 400 Hz. 16 $\frac{3}{8}$  x 5 $\frac{1}{2}$  x 11 $\frac{3}{8}$  in; 15 lb ..... \$285

**SX-201.** As above. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.8% THD; 85 x 2 into 4 ohms. No sleep timer, motor-driven volume control, or remote control. 16 $\frac{3}{8}$  x 5 $\frac{3}{8}$  x 11 $\frac{3}{8}$  in; 12 lb ..... \$225

## SX-251R 50-W/ch Receiver

2 channels. Features discrete output transistors. 5 inputs; headphone jack. 30 AM FM presets; direct station access; 5-band graphic EQ; A/B speaker switching; sleep timer; SR-system remote control. 50 W x 2 with 0.8% THD. 16 $\frac{3}{8}$  x 5 $\frac{3}{8}$  x 11 $\frac{3}{8}$  in; 12 lb \$260

## Elite Series

*All models feature SR-system remote-control compatibility.*

## VSX-95 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. 5 discrete amplifiers; multiroom/source capability; copper-plated chassis. 6 video and 5 audio inputs; 3 S-video inputs and 3 S-video outputs including 2 VCR loops; pre-out/main-in loop for each channel; gold-plated terminals. Jazz, dance, church, hall, and theater ambience presets; simulated-stereo mode; adjustable digital delay; auto input balance for Dolby Pro Logic mode; split-screen video enhancer; 30 AM FM presets; jog dial to adjust sound-field parameters; on-screen displays; FL display; sleep timer with auto display dimmer; programmable remote control. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 40 x 3 into 8 ohms at 1,000 Hz with 0.08% THD (center, rear); 280 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz. 18 $\frac{1}{8}$  x 6 $\frac{3}{8}$  x 16 $\frac{3}{8}$  in; 35 lb ..... \$1,350

## VSX-52 190-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features multiroom/multisource capability; Dolby Time Link digital-delay system. 4 audio and 4 video inputs; line-level output for each channel; headphone jack; gold-plated terminals. Simulated/studio surround, simulated-stereo, and Dolby 3 Stereo modes; adjustable digital delay; video dubbing; 30 AM FM presets with labeling; direct station access; on-screen displays; A/B speaker switching; sleep timer; SR-system remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 50 x 3 into 8 ohms from 20-20,000 Hz with 0.08% THD (front, center) + 20 x 2 cont avg into 8 ohms at 1,000 Hz with 0.8% THD (rear); 230 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; S/N 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz. 17 $\frac{3}{8}$  x 6 $\frac{3}{8}$  x 16 $\frac{1}{2}$  in; 22 lb ..... \$750

## SX-31 100-W/ch Receiver

2 channels. Features non-switching power transistors; source-direct switch; multiroom capability. 6 audio inputs including phono input and gold-plated CD input. Tone controls; 30 AM FM presets with scan; A/B speaker switching; mute and loudness switches; remote control. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 230 x 2 into 2 ohms. FM: 50-dB quieting sens 38.1 dBf stereo; S/N 73 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 55 dB at 400 Hz. 16 $\frac{3}{8}$  x 5 $\frac{1}{8}$  x 13 $\frac{1}{4}$  in; 17 lb ..... \$450

## PROTON

## AV-646 60-W/ch Receiver

2 channels. Features Apex Aural Exciter to enhance vocal clarity; quartz-PLL tuner with Schott II tuning circuitry and Schott NR; motor-driven volume control. Line-level output; headphone jack. 9 AM/18 FM presets; mono/stereo switch; rotary tuning; tone-

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defeat switch; auto/manual tuning; loudness switch; remote control. 60 W x 2 cont avg into 8 ohms. FR 20-20,000 Hz  $\pm$  0.2 dB; THD 0.02%; damping factor 150; S/N 95 dBA line. FM: AM rej 65 dB; cap ratio 1 dB at 45 dBf. 18 1/2 x 4 3/4 x 15 3/8 in; 30 lb ..... \$900

## AV-445 50-W/ch Receiver

2 channels. PLL four-gang GASFET tuner. Line-level outputs; tape-monitor loop. Rotary tuning; tone controls; loudness switch; 8 AM/16 FM presets; mono/stereo switch; remote control. 50 W x 2 into 8 ohms; FR 20-20,000 Hz  $\pm$  0.2 dB; THD 0.02%; S/N 100 dBA line; FM: AM rej 63 dB; cap ratio 1.5 dB at 45 dBf \$400

## ROTEL

### RX950AX 50-W/ch Receiver

2 channels. 5 inputs; headphone jack. Auto/manual tuning; mono switch; tone defeat; illuminated preset buttons and volume control; remote control. 50 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. FM: 50-dB quieting sens 14.8 dBf mono, 37.2 dBf stereo; S/N 80 dB mono, 75 dB stereo; THD (at 65 dBf and 1,000 Hz) 0.07% mono, 0.25% stereo; cap ratio 1 dB; alt-ch sel 60 dB. 17 3/8 x 4 7/8 x 13 3/8 in ..... \$600

**RX940AX.** As above, 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz 0.03% THD. Alt-ch sel 63 dB. 17 3/8 x 3 3/8 x 13 3/8 in ..... \$400

## SANSUI

### RZ-9500AV 300-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features quartz-PLL digital-synthesis tuner. 4 audio and 3 video inputs; rear and center line-level outputs; speaker-level inputs; tape-monitor loop; coaxial FM-antenna input. 3 surround modes; 4 surround presets; adjustable digital delay; test-tone generator; electronic tone controls; source-direct switch. 30 AM/FM presets; preset scan; manual tuning; programmable remote control. 100 W x 2 (front) + 40 x 1 (center) + 30 x 2 (rear), all cont avg into 8 ohms with 0.02% THD. FR 10-70,000 Hz  $\pm$  3 dB; S/N 73 dB phono, 85 dB line. FM: 50-dB quieting sens 17.2 dBf stereo; cap ratio 1.5 dB ..... \$749

### RZ-5500AVII 70-W/ch Receiver

2 channels. 4 speaker terminals. Bass boost; variable loudness; direct station access; 30 AM/FM presets; remote control. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 73 dB phono, 90 dB line. FM: 50-dB quieting sens 38.2 dBf stereo. 17 x 5 x 13 1/4 in; 21 lb ..... \$429

### RZ-3500II 50-W/ch Receiver

2 channels. 4 speaker terminals; 2 tape-monitor loops. Variable loudness; direct station access; preset scan; 30 AM/FM presets; remote control. 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD. S/N 73 dB phono, 90 dB line. FM: 50-dB quieting sens 40 dBf stereo ..... \$389

**RZ-2500.** As above, 32 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD ..... \$349

### RZ-790 50-W/ch Receiver

2 channels. 4 audio and 1 video inputs; tape-monitor loop; 4 speaker terminals. Features 5-band graphic EQ; loudness; auto/manual tuning; preset scan; 8 AM/16 FM presets; remote control. 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. S/N 73 dB phono, 95 dB line. FM: 50-dB quieting sens 40 dBf stereo. 17 x 4 1/2 x 11 7/8 in; 15 lb ..... \$249

### RZ-590 30-W/ch Receiver

2 channels. Features 8 AM/16 FM presets; auto/manual tuning; preset scan; remote control. 30 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. S/N 73 dB phono, 95 dB line. FM: 50-dB quieting sens 13.2 dBf stereo. 17 x 5 1/8 x 11 7/8 in; 12 lb ..... \$225

## SHERWOOD

### RV-6010RS 276-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features discrete amp stage; constant-current power supply;

auto input balance. 5 audio and 3 video inputs; pre-out main-in loop; 2 main speaker outputs; front-panel A/V input. Dolby 3 Stereo mode; source-direct switch; loudness switch; tone controls; 30 AM/FM presets; independent video switching; video dubbing; sleep timer; remote power-off; programmable remote control; Sherwood Digi-Link II system remote-control compatibility. 105 W x 2 (front) + 30 x 1 (center) + 18 x 2 (rear), all into 8 ohms with 0.03% THD. FR 20-20,000 Hz; S/N 77 dB phono, 100 dB line. FM: 50-dB quieting sens 36.2 dBf stereo; cap ratio 1.25 dB; alt-ch sel 55 dB. 17 3/8 x 5 1/2 x 15 in; 29 lb ..... \$500

**RV-6010R.** As above, remote control not programmable ..... \$450

### RV-5010R 200-W A/V Receiver

2 channels with Dolby Surround decoder. Discrete amp stage. 4 audio inputs; 3 video inputs, including 1 on front panel; pre-out/main-in loops. Theater and stadium surround modes; independent video switching; 30 AM/FM presets; video dubbing; sleep timer; remote control. 85 W x 2 + 15 x 2 into ohms with 0.05% THD. FM: 50-dB quieting sens 37.5 dBf stereo; cap ratio 1.25 dB; alt-ch sel 55 dB; S/N 72 dB stereo. 17 1/4 x 5 x 12 in; 17 lb ..... \$300

### RX-4010R 65-W/ch Receiver

2 channels. Features discrete amp stage; matrix surround sound; quartz-reference digital FM tuning with dual-gate MOSFET front ends. 5 audio inputs; pre-out/main-in loops. 30 AM/FM presets; sleep timer; defeatable tone controls; remote control. 65 W x 2 into 8 ohms with 0.05% THD. FM: 50-dB quieting sens 37.5 dBf stereo; cap ratio 1.25 dB; alt-ch sel 55 dB; S/N 72 dB stereo. 17 1/4 x 5 x 12 in; 16 lb ..... \$285

### RX-2010 50-W/ch Receiver

2 channels. Discrete amp stage; quartz-reference digital FM tuning with dual-gate MOSFET front ends. 5 audio inputs; pre-out/main-in loops. 30 AM/FM presets; A/B speaker switching. 50 W x 2 into 8 ohms with 0.08% THD. FM: 50-dB quieting sens 38.1 dBf stereo; cap ratio 2 dB; alt-ch sel 52 dB; S/N 71 dB stereo. 17 1/4 x 4 1/4 x 9 3/4 in; 13 lb ..... \$170

### RX-1010 35-W/ch Receiver

2 channels. Discrete amp stage; quartz-reference digital FM tuning with dual-gate MOSFET front ends. 3 audio inputs. 30 AM/FM presets; A/B speaker switching. 35 W x 2 into 8 ohms with 0.08% THD. FM: 50-dB quieting sens 38.1 dBf stereo; cap ratio 2 dB; alt-ch sel 52 dB; S/N 71 dB stereo ..... \$150

## SONY

*The following, including the ES Series, feature a discrete output stage, a motor-driven volume control, A/B speaker switching, and a headphone jack. All models, except the ES Series, feature a digital-synthesis tuner with 30 AM/FM presets and a selectable dynamic bass boost.*

### STR-D2090 285-W A/V Receiver

5 channels with digital Dolby Pro Logic decoder and DSP. Features 2-room capability; digital 3-band parametric EQ with  $\pm$  10-dB boost/cut; digital dynamic-range compressor/expander. 6 audio inputs; 3 A/V inputs including one on front panel; 2 video-monitor outputs; tape-monitor loop; line-level center-channel output. Church, jazz, live, disco, theater, stadium, opera, and 2 hall ambience presets; 10 user ambience presets; on-screen displays; adjustable effect-level, room-size, wall-type, seat-position, and reverb-time ambience parameters; variable delay time; test-tone generator; auto input balance; sound-field memory for tuner presets; A/V dubbing; sleep timer; 2 AC outlets; programmable remote control. 120 W x 2 into 8 ohms with 0.04% THD or 75 x 3 into 8 ohms with 0.8% THD (front, center) + 30 x 2 into 8 ohms with 0.8% THD (rear). S/N 79 dB phono, 85 dB line; FR 20-20,000 Hz  $\pm$  0.5 dB phono, 5-20,000 Hz  $\pm$  0, -1 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 74 dB stereo; THD 0.4% stereo; cap ratio 1.2 dB ..... \$1,000

**STR-D1090.** As above, without 2-room capability,

dynamic-range compressor/expander, line-level center-channel output, or on-screen displays. Remote control not programmable ..... \$630

### STR-D990 245-W A/V Receiver

5 channels with Dolby Pro Logic decoder. 5 audio inputs; 3 A/V inputs including 1 on front panel; 1 video-monitor output; 2 center-channel outputs; tape-monitor loop. Hall, live, disco, theater, and simulated ambience presets; 7 user-defined ambience presets; variable delay time; A/V dubbing; sound-field memory for tuner presets; test-tone generator; auto input balance; electronic tone controls; sleep timer; 2 AC outlets; remote control. 100 W x 2 into 8 ohms with 0.1% THD or 65 x 3 into 8 ohms from 20-20,000 Hz with 0.1% THD (front, center) + 25 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear). S/N 79 dB phono, 85 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 70 dB stereo; THD 0.5% stereo; cap ratio 1.2 dB. 17 x 6 x 13 3/4 in; 23 lb ..... \$480

**STR-D790.** As above, 80 W x 2 into 8 ohms from 20-20,000 Hz with 0.1% THD (front) + 20 x 3 into 8 ohms at 1,000 Hz with 0.8% THD (center, rear). Without 2 center-channel outputs, A/V dubbing, or front-panel A/V input. Features line-level center-channel output ..... \$380

### STR-D590 140-W A/V Receiver

4 channels with Dolby Surround decoder. 4 audio and 2 A/V inputs; video-monitor output; headphone jack. Hall, live, disco, theater, and simulated ambience presets; 3 user ambience presets; selectable delay time; manual input balance; video dubbing; tone controls; 1 AC outlet; remote control. 60 W x 2 into 8 ohms from 40-20,000 Hz with 0.8% THD (front) + 10 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear). S/N 72 dB phono, 80 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 70 dB stereo; THD 0.5% stereo; cap ratio 1.2 dB. 17 x 5 1/2 x 11 3/4 in; 15 lb ..... \$270

### STR-D390 40-W/ch Receiver

2 channels. Tape-monitor loop; 1 A/V input; video-monitor output. Variable loudness control; tone controls; 1 AC outlet; remote control. 40 W x 2 into 8 ohms from 40-20,000 Hz with 0.8% THD. S/N 72 dB phono, 80 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 70 dB stereo; THD 0.5% stereo; cap ratio 1.2 dB. 17 x 5 1/2 x 11 3/4 in ..... \$220

## ES Series

*The following feature proprietary Class A circuitry, separate transformers for audio and control functions, a quartz-PLL digital-synthesis tuner with 30 AM/FM presets, a source-direct switch, and two AC outlets. All tuners have the following FM specs: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB; THD 0.4% stereo; cap ratio 1.2 dB; IF rej 90 dB; image rej 80 dB. All tuners have the following AM specs: sens 50 dBm; S/N 54 dB and THD 0.5% at 1,000 Hz.*

### STR-GX99ES 285-W A/V Receiver

4 channels with digital Dolby Pro Logic decoder and DSP. Multiroom capability; variable digital delay from 15-30 ms. 5 audio inputs; 3 A/V inputs including 1 on front panel; 2 fiber-optic digital inputs; line-level center- and rear-channel outputs; tape-monitor loop; 2 video-monitor outputs; 2 center-channel outputs. Icon- and window-based on-screen displays; 20 user/factory ambience presets including opera, church, stadium, live, jazz, disco, theater, and 2 hall; auto input balance; digital 3-band parametric EQ; digital dynamic-range compressor/expander; dynamic bass boost; test-tone generator; video dubbing; sleep timer; programmable remote control. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.08% THD or 75 x 3 (front, center) + 60 x 1 (rear) into 8 ohms at 1,000 Hz with 0.8% THD. S/N 79 dB phono, 85 dB line. Simulated-wood side panels ..... \$1,000

### STR-GX69ES 300-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features 3-position digital delay; source-direct switch. 5 audio and 2 A/V inputs; main-amp inputs for front channels; video-monitor output; line-level center- and rear-

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channel outputs; 2 center-channel speaker outputs; signal-processor and tape-monitor loops. Hall and simulated surround modes; auto/manual input balance; test-tone generator; video dubbing, tone and loudness controls; FL display; programmable remote control. 100 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD (front) + 50 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (center, rear). S/N 85 dB phono, 86 dB line. 17 x 5 7/8 x 14 1/4 in.; 30 lb. \$700

**STR-GX59ES.** As above, 80 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD (front) + 30 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (center, rear). Without main-amp inputs or surround modes. Remote control not programmable. 28 lb. \$600

### STR-GX49ES 60-W/ch Receiver

2 channels. Features source-direct switch, 4 audio and 1 A/V inputs; tape-monitor loop; video-monitor output. Tone and loudness controls; remote control. 60 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD. S/N 85 dB phono, 86 dB line. \$380

### TEAC

*The following feature a motor-driven volume control.*

### AG-V1200 230-W A/V Receiver

4 channels with Dolby Surround decoder. Features quartz-PLL tuner; Surround input-level calibration; hall and theater surround modes; 30 AM/FM presets; tone and variable-loudness controls; remote control. 100 W x 2 (front) + 15 x 2 (rear), all cont avg into 8 ohms with 0.08% THD. S/N 73 dB mono, 40 dB stereo. FM: cap ratio 1.5 dB; alt-ch sel 65 dB. \$450

### AG-V1020 200-W/ch Receiver

2 channels. Features discrete design; quartz-PLL tuner; matrix surround. 2 A/V inputs; 1 A/V output; headphone jack. 30 AM/FM presets; preset scan; auto tuning; loudness switch; mute button; FL display; direct station access; remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.08% THD. S/N: 70 dB phono, 94 dB line. FM: AM rej 60 dB; cap ratio 1.5 dB; image rej 55 dB; THD (at 1,000 Hz) 0.2% mono, 0.4% stereo; S/N 75 dB mono, 70 dB stereo. 17 1/8 x 5 1/4 x 13 7/8 in.; 23 lb. \$380

### AG-1000 100-W/ch Receiver

2 channels. Features 5-band graphic EQ; matrix surround; quartz-PLL tuner. 2 line-level inputs; phono input; gold-plated headphone jack. Loudness control; mute button; 16 AM/FM presets; remote control. 50 W x 2 cont avg into 8 ohms with 0.08% THD. S/N 65 dB phono, 75 dB line; FR 20-20,000 Hz  $\pm$  1 dB phono, 10-70,000 Hz  $\pm$  1 dB line. \$360

### AG-620 100-W/ch Receiver

2 channels. Features quartz-PLL tuner. Headphone jack. Loudness switch; mute button; 30 AM/FM presets; auto preset scan; FL display; direct station access; remote control. 50 W x 2 cont avg into 8 ohms from 40-20,000 Hz with 0.08% THD. S/N 70 dB phono, 94 dB line. FM: THD (at 1,000 Hz) 0.2% mono, 0.4% stereo; S/N 75 dB mono, 70 dB stereo; cap ratio 1.5 dB. 17 1/8 x 5 x 11 1/2 in.; 15.4 lb. \$280

### TECHNICS

### SA-GX910 370-W Digital A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features 1-bit MASH DAC converter; quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 2 fiber-optic inputs; 1 fiber-optic output; 5 audio and 4 video inputs; front-panel A/V input; 3 S-video inputs; pre-out/main-in loops. 3 surround modes; Dolby 3 Stereo mode; 4-band parametric EQ with 3 fixed and 3 user presets; 15-band spectrum analyzer; normal and phantom center-channel modes; adjustable digital delay (15-30 ms); 30 AM/FM presets; rear, center, and L/R input controls; A/B speaker selector; loudness control; programmable remote control. 125 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.008% THD (front) + 60 x 1 from 50-15,000 Hz with 0.8% THD (center) + 30 x 2 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 40.2

dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. 17 x 6 1/4 x 17 in.; 33 lb. \$1,000

### SA-GX730 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 5 audio and 4 video inputs; front-panel A/V input; pre-out/main-in loops. 3 surround modes; Dolby 3 Stereo mode; 4-band parametric EQ with 3 fixed and 3 user presets; 15-band spectrum analyzer; normal and phantom center-channel modes; adjustable digital delay (15-30 ms); 30 AM/FM presets; rear, center, and L/R input controls; A/B speaker selector; loudness control; programmable remote control. 125 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.008% THD (front) + 60 x 1 from 100-15,000 Hz with 0.8% THD (center) + 30 x 2 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 40.2 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. 17 x 6 1/4 x 17 in.; 32 lb. \$749

### SA-GX530 245-W A/V Receiver

4 channels with Dolby Pro Logic decoder and DSP. Quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 4 audio and 2 video inputs. 3 surround modes; Dolby 3 Stereo mode; 4-band parametric EQ with 3 fixed and 3 user presets; 15-band spectrum analyzer; normal and phantom center-channel modes; 30 AM/FM presets; rear, center, and L/R input controls; A/B speaker selector; loudness control; programmable remote control. 110 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 15 x 1 from 100-15,000 Hz with 0.8% THD (center) + 10 x 1 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 38.3 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. \$449

### SA-GX330 210-W A/V Receiver

4 channels with Dolby Pro Logic decoder. 3 amp channels and line-level center-channel output. Quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 4 audio and 2 video inputs. 3 surround modes; Dolby 3 Stereo mode; normal and phantom center-channel modes; 30 AM/FM presets; rear, center input controls; A/B speaker selector; programmable remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 10 x 1 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 38.3 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. \$449

### SA-GX130 70-W/ch Receiver

2 channels. Quartz-synthesis tuning. 4 audio and 1 video input. 30 AM/FM presets; preset scan; tone controls; A/B speaker selector. 70 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. S/N 68 dBA phono, 70 dBA line. FM: 50-dB quieting sens 38.3 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. \$239

### VECTOR RESEARCH

### VRX-5200R 50-W/ch Receiver

2 channels. Features matrix surround; 8 discrete output transistors; quartz-synthesis tuning. Pre-out/main-in loop; video-monitor output; A/V processing loop. 20 AM/FM presets; scan tuning; 2 AC outlets; separate FM mute and mono; video signal routing. THD 0.07%; FR 10-50,000 Hz. FM: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; cap ratio 1.3 dB; alt-ch sel 60 dB. 17 x 4 1/2 x 13 1/2 in.; 17 lb. \$370

### VRX-3600R 40-W/ch A/V Receiver

2 channels. Features matrix surround; 8 discrete output transistors; quartz-synthesis tuning. Pre-out/main-in loop; video-monitor output; A/V processing loop. 20 random AM/FM presets; auto scan; 2 AC outlets; separate FM mute and mono; video signal routing. 40 W x 2 into 8 ohms. THD 0.08%; FR 10-50,000 Hz. FM: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; alt-ch sel 58 dB. \$320

### VRX-3550 55-W/ch Receiver

2 channels. Features discrete output stage; mid-range tone control; rear-panel inputs. 55 W x 2. Damping factor 100. \$250

### VRX-2700 30-W/ch A/V Receiver

2 channels. 8 discrete output transistors; quartz-synthesis tuning. Pre-out/main-in loops; video-monitor output; A/V-processor loop. 20 AM/FM presets; scan tuning; 2 AC outlets; separate FM mute and mono; video signal routing. THD 0.09%; FR 10-50,000 Hz. FM: 50-dB quieting 17.2 dBf mono, 38.7 dBf stereo; cap ratio 1.5 dB; alt-ch sel 58 dB. \$220

### YAMAHA

### RX-V1050 390-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Direct-PLL IF count tuning. 8 audio and 4 video inputs; 3 S-video inputs; subwoofer output with low-pass filter; pre-out/main-in loops for main channels; line-level outputs for rear and center channels; switchable dual center-channel outputs for 2 speakers; 5-way binding posts. 4 DSP modes; 40 AM/FM presets; digital test-tone generator for Dolby Pro Logic mode; auto input balance; rec-out selector; sleep timer; RS-system compatible programmable remote control. 110 W x 3 (left, right, center) into 8 ohms from 20-20,000 Hz with 0.015% THD + 30 x 2 (rear) at 1,000 Hz with 0.08% THD. \$1,199

**RX-V850.** As above, no S-video inputs. 7 audio inputs; 3 video inputs. 80 W x 3 (left, right, center) into 8 ohms + 25 x 2 (rear). \$799

### RX-950 120-W/ch Receiver

2 channels. Features Class A amplification; direct-PLL IF count synthesis tuning; motor-driven input selector. 5 audio and 2 video inputs; 2 line-level outputs for multiroom systems; pre-out/main-in loop; 5-way binding posts. 40 AM/FM presets; signal-strength meter; continuously variable loudness control; tone and balance controls; tone, balance, loudness, and pre-main bypass switch; rec-out selector; remote control. 120 W x 2 cont avg into 8 ohms with 0.015% THD or 340 x 2 into 2 ohms. \$899

**RX-750.** As above, without multiroom outputs. Class AB design. 80 W x 2 cont avg into 8 ohms with 0.015% THD or 200 x 2 into 2 ohms. \$529

### RX-V660 205-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. PLL IF count tuning; auto input balance. 7 audio and 3 video inputs; 2 tape-monitor loops; line-level center-channel output; pre-out/main-in loops for front channels. 4 DSP modes; 40 AM/FM presets; sleep timer; multi-status station memory; A/B speaker switching; RS-system remote control. 65 W x 2 (front) into 8 ohms from 20-20,000 Hz with 0.02% THD + 25 x 3 (center, rear) into 8 ohms with 0.08% THD. \$649

### RX-550 60-W/ch Receiver

2 channels. Direct PLL IF count synthesis tuning; motor-driven input selector. 6 audio inputs; 5-way binding posts. 40 AM/FM presets; signal-strength meter; defeatable tone, balance, and loudness controls; rec-out selector; A/B speaker switching; sleep timer; remote control. 60 W x 2 cont avg into 8 ohms with 0.015% THD or 150 x 2 into 2 ohms. \$399

### RX-460 55-W/ch Receiver

2 channels. Direct PLL IF count synthesis tuning. 6 audio inputs; 2 tape-monitor loops. 40 AM/FM presets; A/B speaker selector; continuously variable loudness control; tone and balance controls; loudness, tone, and balance controls with source-direct switch; signal-strength meter; RS-system remote control. 55 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.04% THD or 130 x 2 into 2 ohms. 17 1/8 x 5 1/4 x 11 1/2 in.; 16 lb. \$329

**RX-360.** As above, without source-direct switch. 5 inputs. 45 W x 2 from 50-20,000 Hz or 98 x 2 into 2 ohms. \$279

### RX-350 40-W/ch Receiver

2 channels. Direct-PLL synthesis tuning. Auto search and manual up/down tuning; 16 AM/FM presets; signal-strength meter; A/B speaker switching; CD-direct switch; dynamic bass-extension function; continuously variable loudness control. 40 W x 2 cont avg into 8 ohms with 0.04% THD or 88 x 2 into 2 ohms. \$239



**ACURUS**

**DIA-100 100-W/ch Integrated Amplifier**

2 channels. Direct input design with single gain stage. 6 inputs. Volume, balance, and switching controls. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Input sens 0.2 V. 17 x 3 1/2 x 8 in. \$995

**AMC**

**CVT 3030 30-W/ch Tube Integrated Amplifier**

2 channels. Features Class A design; 2 EL34 vacuum tubes/ch; seven 240-V MOSFET devices/ch; fixed-bias output tubes; no relay or switch contacts between output transformer and speaker terminals. 1 phono and 6 line-level inputs; tape loop; gold-plated speaker terminals. Tone defeat. 30 W x 2 from 50-20,000 Hz with 1% THD. SN 80 dBA at 1 W. \$900

**ARCAM**

**Delta 90.2 70-W/ch Integrated Amplifier**

2 channels. Features toroidal power transformer; aluminum chassis. MC MM phono inputs; 2 tape-monitor loops; 2 main-speaker outputs. Independent listen and rec; defeatable tone controls. 70 W x 2 into 8 ohms. THD 0.02% at 1,000 Hz. 17 x 3 1/2 x 11 1/2 in; 18 lb. \$799

**Delta 60 50-W/ch Integrated Amplifier**

2 channels. Features 200-VA toroidal power transformer; separately regulated MM MC phono stage. Tape-monitor loop; 2 main-speaker outputs. 50 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.02% at 1,000 Hz. 17 x 3 1/2 x 11 1/2 in; 15 lb. \$649

**Alpha 3 40-W/ch Integrated Amplifier**

2 channels. Features toroidal power transformer; aluminum chassis. MC MM phono inputs; video input; tape-monitor loop; 2 main-speaker outputs. Defeatable tone and balance controls. 40 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.02% at 1,000 Hz. \$399

**AUDIO DESIGN ASSOCIATES**

**MRA-808 640-W Integrated Amplifier**

16 channels. Designed for use with System 8000 multiroom system. Consists of 8 integrated-amp modules. Features digitally controlled tone and volume for each module. Each module: 40 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 60 x 2 into 4 ohms. Slew rate 10 V/μs. 12 1/4 x 19 x 14 1/2 in; 52 lb. \$8,295

**CR-8A 25-W/ch Integrated Amplifier**

2 channels. Designed for use with System Omega multiroom system. Features power fuse; toroidal power transformer. Signal-processor loop. Gain control; rear-access balance-setting switch; LED volume, bass, and treble indicators. Infrared receiver optional. 25 W x 2 cont avg from 20-20,000 Hz with 0.02% THD into 8 ohms or 40 x 2 into 4 ohms. SN 104 dB. 19 x 3 1/2 x 11 in; 13 lb. \$1,750

**AUDIO INNOVATIONS**

**Series 500 25-W/ch Tube Integrated Amplifier**

2 channels. Class A operation; self-biasing circuit; partially hand-wired circuits; low-feedback design; 4/8/16-ohm output imp. 25 W x 2 cont avg into 8 ohms from 30-20,000 Hz with 0.1% THD. SN 65 dB phono; sens 3.5 mV phono, 150 mV line; input imp 100,000 ohms. 37.6 lb. \$2,195

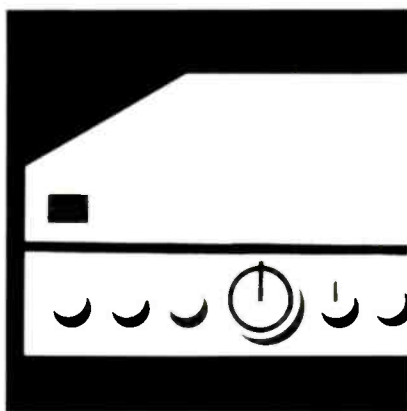
**Series 300 II 9-W/ch Tube Integrated Amplifier**

2 channels. Class A operation. 9 W x 2 cont avg into 6 ohms from 20-15,000 Hz with 0.03% THD. SN 60 dB phono; sens 4.25 mV phono, 250 mV line; input imp 47,000 ohms. 23 lb. \$1,295

**AUDIOLAB**

**Model 8000A MKII 100-W/ch Integrated Amplifier**

2 channels. Features high-current power supply; overload protection and muting. Separate MC and MM



inputs. Rec-out selector; defeatable tone controls. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. Frequency response 1-65,000 Hz; signal-to-noise ratio 81 dB MM. 77 dB MC, 90 dB line; total harmonic distortion 0.05%. 17 1/2 x 3 x 13; 19 lb. \$799

**AUDIO NOTE**

**Ongaku 27-W/ch Tube Integrated Amplifier**

2 channels. Features Class A operation; zero feedback; parallel single-ended circuitry; direct-heated 211A triode output stage; tube-regulated power supply; silver hand-wired circuitry; silver-wired output transformers; silver-foil capacitors; tantalum-film resistors; copper chassis. 27 W x 2 cont avg into 8 ohms. FR 10-40,000 Hz; slew rate 5 V/μs; input imp 250 kilohms. 70 lb. \$60,000

**Oto 12-W/ch Tube Integrated Amplifier**

2 channels. Features Class A operation; 10-dB feedback; independent power supplies for preamp and power-amp stages; series-regulated push-pull circuitry; slow-start circuit; OFHC output transformers; aluminum chassis; EL-84 pentode output stage; buffered line stage. 12 W x 2 cont avg into 6 ohms. 38 lb. \$2,495

**BMB**

*The following amps include a karaoke, or sing-along, section.*

**DA-X1 120-W/ch Cassette Deck Integrated Amp**

2 channels. Features built-in cassette deck with auto-rewind; digital echo processor and pitch controller. 4 audio inputs; 3 video inputs/outputs; 5 mic inputs. Echo-level, delay, repeat, motorized volume, tone, controls; remote control. 16 1/2 x 6 3/8 x 15 3/4 in; 26 lb. \$1,699

**DA-X2 80-W/ch Integrated Amplifier**

2 channels. Features digital echo processor and pitch controller. 5 audio inputs; 3 video inputs/outputs; 5 mic inputs; tape-monitor loop. Echo-level, delay, repeat, and tone controls; remote control. 16 1/2 x 5 1/8 x 15 3/4 in; 21 lb. \$1,349

**DA-550 50-W/ch Integrated Amplifier**

2 channels. Features digital echo processor and pitch controller; MPX sound switch; vocal changeover system. Surround-processor input; 3 audio, 2 video and 2 mic inputs. Echo-level, delay, and repeat controls. 16 1/2 x 3 1/4 x 13 in; 14.5 lb. \$549  
**DA-500.** As above, without pitch controller. \$449

**CAMBRIDGE AUDIO**

**P70 60-W/ch Integrated Amplifier**

2 channels. Toroidal transformers with tuned reservoir capacitors. 5 inputs; MC and MM gold-plated phono inputs; 5-way binding posts. Passive defeatable tone controls. 60 W x 2 into 8 ohms. FR 3-82,000 Hz ± 3 dB; THD 0.01% at 50% rated power; SN 68 dBA

MC, 80 dBA MM, 100 dBA line. 17 x 3 1/4 x 13 in; 14 lb. \$600  
**P50.** As above, 50 W x 2. Tape-monitor loop. 13 lb. \$500  
**P25.** As above, 30 W x 2. FR 11-36,000 Hz ± 3 dB; THD 0.02% at 1,000 Hz, 25 W; SN 60 dBA MC, 73 dBA MM, 74 dBA line. \$350

**CARVER**

**CM-1090 100-W/ch Integrated Amplifier**

2 channels. Features Sonic Holography ambience-enhancement circuitry; motor-driven volume control. CD-direct input; 7 audio inputs; 2 tape-monitor loops with dubbing capability; pre-out/main-in loop. Matrix surround mode. A/B speaker switching, 3-band tone controls; balance control; analog power meters; 4 AC outlets; remote control. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. SN 105 dBA, 80 dBA MM; FR 20-20,000 Hz ± 1 dB. 19 x 4 3/4 x 15 1/2 in. \$600

**CREEK**

**Model 6060 60-W/ch Integrated Amplifier**

2 channels. MM MC phono inputs; 3 line-level inputs and outputs; 2 tape-monitor loops; pre-out/main-in loop. Features tape dubbing; active/passive tone controls; A/B speaker switching. 200 W x 1. \$1,095

**Model 4140/S2 40-W/ch Integrated Amplifier**

2 channels. MM MC phono input; 2 line-level inputs; tape-monitor loop. 40 W x 2 into 8 ohms. \$600

**Model 4#40/S3.** As above, no MC stage. 30 W x 2. \$500

**DENON**

**AVC-3030 400-W A/V Integrated Amplifier**

5 channels with Dolby Pro Logic decoder and DSP. Features 5 discrete amps; 3 front amps with optically-coupled Class-A circuitry; 4 Dolby modes; wide-screen, live, mono-movie, classic, rock, church, jazz, stadium, and matrix ambience presets; bass boost; cinema sound equalizer. 10 audio inputs; 5 video inputs; 5 S-video inputs; 13 audio outputs; 3 video outputs; 3 S-video outputs. Adjustable delay and room size; auto input balance for Dolby Pro Logic mode; FL alphanumeric display; separate A/V input and rec-out selectors; videodisc- and CD-direct modes; non-volatile memory for preferred control settings; programmable remote control with 5 command-sequence keys. 110 W x 2 (front) + 110 x 1 (center) + 35 x 2 (rear), all into 8 ohms. \$1,300

**AVC-3020 300-W A/V Integrated Amplifier**

4 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; 4 Dolby modes; hall, simulated, live, synthetic, and spectarea ambience presets; dialogue-enhancing EQ. 9 audio and 5 video inputs; 9 audio and 3 video outputs; S-video inputs and outputs. Adjustable 0-130 ms digital delay; FL alphanumeric display; non-volatile memory; separate A/V input and rec-out selectors; auto input balance; remote control with 5 command-sequence keys. 80 W x 2 + 35 x 4 into 8 ohms. \$1,000

**PMA-1080R 105-W/ch Integrated Amplifier**

2 channels. Features optically-coupled Class-A circuitry; complementary topology; toroidal transformer. Line-level outputs. Separate input and rec-out selectors; last-function memory; remote control; Denon IS remote-control compatibility. 105 W x 2 into 8 ohms from 20-20,000 Hz. THD 0.005%; FR 1-250,000 Hz; SN 94 dB MM, 76 dB MC, 110 dB line. \$650

**PMA-880R 75-W/ch Integrated Amplifier**

2 channels. Features optical Class-A circuitry; complementary topology; toroidal transformer. Line-level outputs. Separate input and rec-out selectors; last-function memory; remote control; Denon IS remote-control compatibility. 75 W x 2 into 8 ohms from 20-20,000 Hz. Total harmonic distortion 0.02%; frequency response 4-100,000 Hz; signal-to-noise ratio 94 dB MM, 76 dB MC, 110 dB line. \$450

**PMA-680R 65-W/ch Integrated Amplifier**

2 channels. Features discrete circuitry; complementary topology; toroidal transformer. Separate input and rec-out selectors; last-function memory; remote control; Denon IS remote-control compatibility. 65 W x 2 into 8 ohms from 20-20,000 Hz. THD 0.05%; FR 4-100,000 Hz; signal-to-noise ratio 94 dB MM, 75 dB MC, 107 dB line ..... \$400

**HARMAN KARDON**

*The following high-current amps use discrete circuitry and low negative feedback.*

**HK6950R 170-W/ch Integrated Amplifier**

2 channels. Features toroidal transformer; subsonic-filter. MM/MC phono inputs; 5 line-level inputs; 2 tape-monitor loops; pre-out/main-in loop; headphone jack. Phase-correct loudness and tone-defeat switches; phono and rec-out selectors; remote control. 170 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.08% THD. FR 0.2-20,000 Hz +0, -3 dB at 1 W; S/N 80 dB MM, 76 dB MC, 98 dB line, 110 dB main; slew rate 280 V/μs; damping factor 65. 17 3/4 x 6 1/4 x 15 3/4 in; 39.6 lb ..... \$1,299

**HK6650R.** As above, with nondefeatable tone controls. Features mono switch. 100 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD. FR 0.5-200,000 Hz +0, -3 dB; slew rate 180 V/μs. 17 3/8 x 5 3/8 x 14 1/2 in; 24.6 lb ..... \$799

**HK6350R.** As above, without rec-out switch or pre-out/main-in loop. Features signal-processor loop. 60 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.09% THD. Slew rate 140 V/μs; damping factor 60. 17 3/8 x 4 1/8 x 14 1/2 in; 18.1 lb ..... \$499

**HK6250 45-W/ch Integrated Amplifier**

2 channels. 6 inputs including 2 tape-monitor loops; headphone jack. Phase-correct loudness switch; tone and balance controls; remote control. 45 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.09% THD. FR 0.5-150,000 Hz +0, -3 dB; S/N 80 dB phono, 98 dB line; slew rate 90 V/μs; damping factor 60. 17 3/8 x 4 1/2 in; 15 lb ..... \$349

**HK6150.** As above, 30 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.09% THD. S/N 78 dB phono, 98 dB line. 14 lb ..... \$279

**JVC**

**AX-Z911BK 100-W/ch Digital Integrated Amplifier**

2 channels. Features separate digital and analog circuits; proprietary circuitry for Class A sonic characteristics and Class B efficiency; D/A converter with 4x oversampling filter and auto 32-, 44.1-, or 48-kHz sampling-rate selection; low-imp drive capability; motor-driven volume control. Fiber-optic and coaxial digital inputs; switchable digital coaxial input/output; gold-plated terminals; MM/MC phono inputs. Compu Link system compatibility; remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.0005% THD. FR 0-200,000 Hz +0, -3 dB line, 20-20,000 Hz ±0.2 dB phono; S/N 80 dB MM, 73 dB MC, 85 dB line; damping factor 200. 18 3/4 x 6 5/8 x 16 1/2 in; 44 lb ..... \$1,100

**Super Digifine Series**

**AX-V1050TN 400-W Digital A/V Integrated Amp**

5 channels with Dolby Pro Logic decoder and dsp. Features 1-bit A/D and D/A converters with 4th-order noise shaping. 6 audio and 7 video inputs; 2 audio and 3 video outputs; tape-monitor loop; 3 S-video terminals; 2 mono subwoofer outputs; 6 speaker outputs. Normal, wide, and phantom center-channel modes; symphony-hall, recital-hall, church, jazz-club, pavilion, and stadium ambience presets; parametric center-channel EQ; adjustable center-channel delay; CD- and D/A-converter-direct switches; FL display; composite to S-video conversion; programmable remote control. 100 W x 2 with 0.007% THD (front) + 80 x 1 (center) + 60 x 2 (rear) with 0.7% THD; 300 x 2 into 2 ohms. FR 5-70,000 Hz +0, -3 dB; signal-to-noise ratio 67 dB MM, 80 dB line. 17 3/8 x 6 1/4 x 17 1/2 in; 35 lb ..... \$1,500

**AXZ-1010TN 100-W/ch Digital Integrated Amp**

2 channels. Features Digital Pure-A design to reduce switching distortion and heat dissipation; K2 digital input interface with 8x-oversampling filter and four 18-bit D/A converters; parallel push-pull transistor configuration. Connections for 2 speaker pairs; MM/MC phono inputs. Switchable D/A-converter-direct mode; remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.004% total harmonic distortion. Damping factor 200 at 1,000 Hz, 8 ohms; signal-to-noise ratio 73 dB MC, 82 dB MM, 86 dB line. 17 1/4 x 6 7/8 x 18 1/8 in; 37 lb ..... \$1,200

**KENWOOD**

*The following products feature low-impedance drive capability.*

**KA-V9500 360-W Digital A/V Integrated Amp**

6 channels with Dolby Pro Logic decoder and dsp. Features discrete amp circuitry; 18-bit A/D converter; 16-bit digital delay; Dolby 3 Stereo mode; dual power transformers; motor-driven volume control; source-direct switch. 6 audio and 6 video inputs; MM phono input; 6 S-video inputs and 6 S-video outputs; line-level outputs for each channel; outputs for 2 speaker pairs; outputs for 2 center-channel speakers; subwoofer output. 4 DSP presence modes; 10 DSP ambience presets; normal, wide, and phantom center-channel surround modes; auto input balance for Dolby Pro Logic mode; 5 system presets with alphanumeric labeling; digital tone controls; center-channel tone control; S-video to composite-video dubbing; video rec-out selector; on-screen displays; programmable remote control. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD or 90 x 2 (front left, right) + 45 x 2 (center) + 45 x 2 (rear) rms into 8 ohms from 20-20,000 Hz with 0.08% THD. FR 5-80,000 Hz ±3 dB; S/N 96 dB line. 17 3/8 x 6 1/2 x 16 3/4 in; 39 lb ..... \$1,500

**KA-V7500 246-W A/V Integrated Amplifier**

6 channels with Dolby Pro Logic decoder. Features discrete amp circuitry; Dolby 3 Stereo mode; source-direct switch. 6 audio and 6 video inputs; MM phono inputs; 4 S-video inputs and 3 S-video outputs; outputs for 2 speaker pairs; outputs for 2 center-channel speakers; line-level outputs for each channel; subwoofer output. Normal, wide, and phantom center-channel surround modes; adjustable digital delay; A/B speaker switching; 5 system presets with alphanumeric labeling; S-video to composite-video dubbing; video rec-out selector; on-screen displays; programmable remote control. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD or 70 x 2 (front left, right) + 35 x 2 (center) + 18 x 2 (rear) rms into 8 ohms from 20-20,000 Hz with 0.08% THD. FR 5-100,000 Hz +0, -3 dB; S/N 78 dB phono, 100 dB MC line. 17 3/8 x 6 1/2 x 16 3/4 in; 30 lb ..... \$900

**LINN**

**Intek 50-W/ch Integrated Amplifier**

2 channels. MM and MC phono inputs; switched/unswitched speaker outputs; power-amp-driven headphone jack. Separate rec/play paths. 50 W x 2 into 8 ohms ..... \$995

**LUXMAN**

**LV-105U 80-W/ch Tube Integrated Amp**

2 channels. Features hybrid solid-state/tube design; J-FET's; twin-triode vacuum tubes; high-current MOSFET output devices; Duo-Beta dual feedback loop; star circuit topology. MM/MC phono inputs; signal-processor loop. CD-direct button; tape and video dubbing; rec-out selector. 80 W x 2 cont avg into 8 ohms. THD 0.25%; S/N 90 dB MM, 70 dB MC, 96 dB line. 17 1/4 x 5 1/4 x 13 1/8 in; 25 lb ..... \$1,000

**MAGTONE**

**KT-1500T 30-W/ch Karaoke Integrated Amplifier**

2 channels. 3 mic inputs; 1 audio and 2 video inputs; 2 outputs. 2-wire remote for mic control; digital echo, time, and repeat; input-select switch; MPX switch; auto vocal eliminator; volume, master-mic volume, and separate mic-level controls; tone controls. 30 W x 2. 16 1/2 x 2 1/2 x 12 in; 10 lb ..... \$399

**KA-908XD 50-W/ch Karaoke Integrated Amplifier**

2 channels. 2 mic inputs; 1 video and 3 audio inputs. Features balance for MPX music/vocals; mono/stereo switch; auto vocal eliminator; LED VU display; AC 110/220 V switchable; output tone, mic tone, 2 mic-level, master volume, delay-time, echo-time/mic defeat controls. 50 W x 2 into 8 ohms. 17 x 3 x 10 in; 10 lb ..... \$244

**MARANTZ**

**PM-700AV 200-W A/V Integrated Amplifier**

5 channels with Dolby Pro Logic decoder. 4 audio inputs; front-panel A/V input; 4 A/V inputs including 2 S-video; composite and S-video outputs; RC-5 interface for remote-control compatibility with other Marantz components. Dolby test-tone generator; switchable bass boost; preprogrammable remote control. 50 W x 2 from 20-20,000 Hz (front left, right) + 50 x 1 at 1,000 Hz (center) + 25 x 2 rms at 1,000 Hz (rear), all rms into 8 ohms. S/N 76 dB phono, 85 dB line. Gold finish with matching side panels. 17 7/8 x 6 x 13 3/8 in; 29 lb ..... \$699

**PM-80 100-W/ch Integrated Amplifier**

2 channels. Features 2 discrete amp sections; selectable Class A/AB mode; high-current discrete output transistors; low-imp-drive power supply; source-direct switch. 9 inputs including MM/MC phono; 3 tape-monitor loops; signal-processor loop; banana-plug outputs for 2 speaker pairs; gold-plated inputs. Rec-out selector, mono switch; tone and balance controls. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 160 x 2 rms into 4 ohms (Class AB). 25 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 360 W x 2 into 2 ohms (Class A). Damping factor 200 into 8 ohms; slew rate 45 V/μs; S/N 75 dB MC, 85 dB MM, 107 dB line; peak current 150 amperes. Gold finish with die-cast alloy side panels. 17 7/8 x 6 1/2 x 15 in; 37 lb ..... \$699

**PM-72 100-W/ch Integrated Amplifier**

2 channels. Features high-current discrete output transistors; low-imp-drive power supply; relay-controlled speaker selection; source-direct switch. 7



Harman Kardon HK6950R

# I N T E G R A T E D   A M P L I F I E R S

gold-plated audio inputs including 2 tape-monitor loops and MM MC phono; banana-plug outputs for 2 speaker pairs. Rec-out selector; tone and balance controls; mono switch. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD, 140 x 2 rms into 4 ohms, or 250 x 2 into 2 ohms. Damping factor 190 into 8 ohms; slew rate 40 V/μs; S/N 72 dB MC, 86 dB MM, 102 dB line; peak current 110 amperes. Gold finish with die-cast alloy side panels. 17 $\frac{1}{8}$  x 6 $\frac{1}{2}$  x 15 in; 24 lb ..... \$599

### PM-52 70-W/ch Integrated Amplifier

2 channels. Features high-current discrete output transistors; low-imp-drive power supply; relay-controlled speaker selection; source-direct switch. 7 gold-plated inputs including MM MC phono and 2 tape-monitor loops; banana-plug speaker outputs. Mono switch; tone and balance controls. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD, 100 x 2 rms into 4 ohms, or 235 x 2 into 2 ohms. Damping factor 190 into 8 ohms; slew rate 40 V/μs; S/N 75 dBA MC, 85 dBA MM, 105 dBA line; peak current 100 amperes. Gold finish with die-cast alloy side panels. 17 $\frac{1}{8}$  x 5 $\frac{1}{8}$  x 15 in; 31 lb ..... \$399

## McINTOSH

### C-40 20-W/ch Integrated Amplifier

2 channels. Anti-clipping circuitry; logic-driven electromagnetic switching; 5-band EQ; dynamic-range compressor/expander. Balanced input and output; 2 processor loops; AC switched outputs. Separate listen and rec; variable loudness control; monitor amp switchable between listen/rec circuits and inputs; 7-position mode selector; mute switch. 20 W x 2 cont avg into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.001%; S/N 100 dBA. 17 $\frac{1}{2}$  x 5 $\frac{3}{8}$  x 15 $\frac{1}{2}$  in; 23 lb ..... \$2,795

## MISSION

### Cyrus II 60-W/ch Integrated Amplifier

2 channels. Features high peak-current delivery; nonmagnetic, polypropylene and polystyrene capacitors. 6 inputs including MM, MC; headphone jack. Separate rec-out for all inputs; balance control for all inputs. 60 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.003% at 1,000 Hz; S/N 83 dB; slew rate 10 V/μs; damping factor 100. 8 $\frac{1}{2}$  x 3 x 13 $\frac{1}{2}$  in. 16 lb ... \$999

### Cyrus I 30-W/ch Integrated Amplifier

2 channels. Magnesium-die-cast chassis and heat sink; aluminum die-cast front and cover; metal-film resistors and capacitors. 6 inputs including MM, MC. Separate rec-out control for all inputs; balance control for all inputs. 30 W x 2 into 8 ohms ..... \$649

## MITSUBISHI

### HTS-100 200-W A/V Integrated Amplifier

6 channels with Dolby Pro Logic decoder. Center-channel, surround-channel, and subwoofer outputs. TV off/on sensing; balance, center level, and surround-level controls; calibration tone; programmable remote control. 50 W x 2 (front) + 25 x 2 (center) + 25 x 2 (rear) rms into 8 ohms with 1% THD ..... \$599

## NAD

*The following feature Power Envelope circuitry to increase dynamic headroom and Soft-Clipping circuitry to prevent speaker-damaging distortion.*

### Model 3240PE 40-W/ch Integrated Amplifier

2 channels. Features high-current design; defeatable infrasonic filter. Gold-plated phono inputs; pre-out/main-in loop; 5-way binding posts. Bass EQ; speaker imp selector. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 76 dBA MC, 88 dBA line; damping factor 50 at 50 Hz; dynamic headroom 6 dB. 16 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 15 in; 14 lb ..... \$399

### Model 3225PE 25-W/ch Integrated Amplifier

2 channels. Features infrasonic filter; discrete 4-transistor phono preamp. Gold-plated phono inputs;

pre-out/main-in loop; 5-way binding posts. Speaker imp selector. 25 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 75 dBA MC, 85 dBA line; damping factor 50 at 50 Hz; dynamic headroom 4 dB. 16 $\frac{1}{2}$  x 3 $\frac{3}{8}$  x 10 $\frac{1}{8}$  in; 12 lb ..... \$249

## NAIM

### NAIT 2 18-W/ch Integrated Amplifier

2 channels. MM phono input; 3 line inputs. Tape monitor/mute function; defeatable amp section. Input sens 2.5 mV at 47 kilohms phono, 75 mV at 47 kilohms line; tape output level and imp 75 mV at 1,000 ohms. 10 $\frac{3}{4}$  x 3 x 8 in ..... \$995

## NIKKO

### NA 150 100-W/ch Integrated Amplifier

2 channels. Features Class AB output operation; subsonic filter. 6 inputs including MM. CD-direct input; dual line selector buttons; A/B speaker switch; loudness/stone controls; remote control. 100 W x 2 cont avg into 8 ohms or 144 x 2 cont avg into 4 ohms with 0.05% THD. Slew rate 5 V/μs; sens 170 mV line, 2.5 mV MM; FR 5-41,000 Hz; dynamic headroom 2 dB; input imp 47 kilohms; S/N 81 dBA MM ..... \$209

### NA 60 50-W/ch Integrated Amplifier

2 channels. Features Class AB output operation; subsonic filter. 5 inputs; headphone jack. Loudness control; power level indicators. 50 W x 2 into 8 ohms rms ..... \$119

signal paths; dual-shielded block construction with 2-panel chassis base; motor-driven volume control and input selector. 5-way binding posts. Remote control. 105 W x 2 rms into 8 ohms or 303 x 2 max into 2 ohms ..... \$650

**Integra A-807.** As above. 80 W x 2 rms into 8 ohms or 210 x 2 max into 2 ohms ..... \$530

### A-RV401 100-W/ch Integrated Amplifier

2 channels. Features low-imp-drive design; discrete outputs; motor-driven volume control. 7 audio and 2 video inputs. Video dubbing; 4-way speaker selector; source-direct switch; FL display; loudness control; simulated-stereo mode; mute switch; Onkyo RI-system compatibility; remote control. 100 W x 2 rms into 8 ohms or 190 x 2 max into 4 ohms ..... \$400

### A-803 60-W/ch Integrated Amplifier

2 channels. Features low-imp drive design; discrete output stage; multiroom capability. 7 audio inputs including MM MC; 5-way binding posts. Source-direct switch; 4-way speaker selector; Onkyo RI-system compatibility; remote control. 60 W x 2 rms into 8 ohms or 135 x 2 max into 2 ohms ..... \$350

## PHILIPS

### FA-950 100-W/ch Integrated Amplifier

2 channels. Features bus system for integration with 900 series components. 7 inputs including MC and MM phono; digital inputs/outputs. Remote control. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms ..... \$480



McIntosh C-40

## ONKYO

### Grand Integra A-G10 130-W/ch Integrated Amp

2 channels. Features dual 18-bit linear D/A converters; 8x-oversampling digital filter; oversized power-supply for low-imp loads; dual-mono design; high-speed switching power supply. Fiber-optic and coaxial digital inputs. Source-direct mode; phase-reverse switch; remote control. Wood side panels. 130 W x 2 cont avg into 8 ohms or 420 x 2 into 2 ohms ..... \$3,000

### Integra A-SV810PRO 325-W A/V Integrated Amp

5 channels with Dolby Pro Logic decoder and digital signal processing. Features low-impedance-drive design; dual power transformers; 8-mode digital sound-field processor; motor-driven volume control. 6 video inputs including 5 S-video inputs; 10 audio inputs; 5 video outputs including 3 S-video outputs; 5 audio outputs; line-level subwoofer output. 10 sound-field presets; adjustable digital delay; on-screen displays, programmable cursor key; fluorescent display; record-out selector; mute switch; Onkyo RI-system remote-control compatibility; remote control. 85 W x 3 (front, center) + 35 x 2 (rear) into 8 ohms or 180 x 2 max into 3 ohms ..... \$1,100

### Integra A-809 105-W/ch Integrated Amplifier

2 channels. Features low-imp-drive design; discrete outputs, power supplies, and transformers; direct

## PIONEER

### VSA-7500 254-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and digital signal processing. Features 6 audio and 6 video inputs; S-video connectors; front-panel A/V input including S-video input; line-level output for each channel; 2 center-channel speaker outputs; subwoofer output. Simulated-surround, disco, church, hall, jazz, and theater ambience presets; Dolby 3 Stereo mode; variable bass synthesizer; source-direct switch; video source selector; video record selector; on-screen displays; last-function memory; programmable remote control. 75 W x 2 continuous avg into 8 ohms from 20-20,000 Hz with 0.008% total harmonic distortion or 70 x 3 (front, center) + 22 x 2 (rear) into 8 ohms at 1,000 Hz with 0.3% total harmonic distortion; 140 x 2 into 4 ohms. Signal-to-noise ratio 72 dB phono, 96 dB line. Dimensions: 16 $\frac{3}{8}$  x 6 $\frac{3}{8}$  x 16 $\frac{1}{8}$  in; 30 lb ..... \$1,125

### A-301 40-W/ch Integrated Amplifier

2 channels. Features direct signal paths. 6 inputs including phono. Rec-out selector; source-direct switch; A/B speaker switching. 40 W x 2 continuous average into 8 ohms from 20-20,000 Hz with 0.01% total harmonic distortion, 50 x 2 into 4 ohms from 20-20,000 Hz with 0.02% THD, or 100 x 2 into 2 ohms. Signal-to-noise ratio 89 dB phono, 108 dB line. 16 $\frac{1}{8}$  x 5 x 13 $\frac{1}{4}$  in; 15 lb ..... \$375

## Elite Series

### A-71 120-W/ch Integrated Amplifier

2 channels. Features direct signal paths; isolation of transformer and heat sink from chassis. 7 inputs including MM/MC phono input; headphone jack. Switchable phono subsonic filter; rec-out selector; tone and balance controls; source-direct switch; A/B speaker switching. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.003% THD. S/N 95 dB MC, 77 dB MM, 110 dB line. 18 x 6 $\frac{7}{8}$  x 18 $\frac{5}{8}$  in; 60 lb. \$1,100

### A-51 100-W/ch Integrated Amplifier

2 channels. Direct signal paths. 8 inputs including gold-plated phono and CD inputs. Muting; loudness contour; rec-out selector; source-direct switch; A/B speaker switching. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.007% THD. S/N 94 dB MC, 76 dB MM, 110 dB line. 16 $\frac{5}{8}$  x 6 $\frac{3}{8}$  x 17 $\frac{1}{8}$  in; 42 lb. \$850

## PROTON

### AM-656 60-W/ch Integrated Amplifier

2 channels. Features Apex Aural Exciter to enhance vocal clarity; motor-driven volume control. Line-level output; headphone jack. Tone defeat; mono/stereo switch; loudness switch. Compatible with AH-681 remote control. 60 W x 2 into 8 ohms. FR 20-20,000 Hz  $\pm$  0.3 dB; THD 0.02%; damping factor 150; dynamic headroom 6 dB; crosstalk 75 dB at 1,000 Hz; S/N 95 dBA line. 18 $\frac{1}{2}$  x 3 $\frac{3}{8}$  x 15 $\frac{3}{8}$  in; 29 lb. \$700

### AM-455 50-W/ch Integrated Amplifier

2 channels. Loudness, mono, and A/B speaker switches. Line-level output. 50 W x 2 into 8 ohms. Dynamic headroom 2 dB. \$250

## QED

### A270 50-W/ch Integrated Amplifier

2 channels. Biwiring capability; MM/MC phono inputs. 50 W x 2 into 8 ohms or 85 x 2 into 4 ohms. THD 0.1% from 20-20,000 Hz. 16 lb. \$1,000

### A240SAII 40-W/ch Integrated Amplifier

2 channels. Class AB output. MC/MM inputs. 40 W x 2 into 8 ohms or 65 x 2 into 4 ohms, all from 20-20,000 Hz with 0.1% THD. 12 lb. \$700

A240CDII. As above, no MC input. 12 lb. \$525

## ROTEL

### RA980BX 100-W/ch Integrated Amplifier

2 channels. Features electrolytic filter capacitors. 7 inputs including MC and MM; headphone jack. Tone controls; mono switch. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Damping factor 1,500; S/N 70 dB MC, 80 dB MM, 100 dB line. 17 $\frac{3}{8}$  x 4 $\frac{7}{8}$  x 13 $\frac{3}{8}$  in; 24 lb. \$700

RA960BX. As above, without mono switch. 60 W x 2 cont avg into 8 ohms from 20-20,000 with 0.03% THD. Damping factor 100. 17 $\frac{3}{8}$  x 3 $\frac{3}{8}$  x 12 $\frac{7}{8}$  in. \$500

## SANSUI

### AU-X911DG 100-W/ch Integrated Amplifier

2 channels. Features 1-bit D/A converter; discrete L/R amplifiers; separate digital and analog transformers; subsonic filter. 5 gold-plated analog inputs; 4 gold-plated digital inputs. Digital-direct and source-direct operation; rec-out selector; loudness switch; A/B speaker switching. 100 W x 2 cont avg into 8 ohms from 10-20,000 Hz with 0.005% THD. 17 x 6 $\frac{1}{2}$  x 17 $\frac{3}{8}$  in; 40 lb. \$1,250

### AV-7000 280-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and DSP. Features separate audio and video power supplies; digital-direct operation; auto input-level balance. Front, rear, and center line-level outputs; tape-monitor loop; 5 audio and 4 video inputs; front-panel video input; video-processor loop. 8 surround/osp modes, 6 with variable digital delay; surround memory settings for rear and center-channel volume, tone, and

digital delay; AV dubbing; bass, midrange, and treble controls; front-speaker defeat switch; remote control. 70 W x 3 rms (front, center) + 35 x 2 (rear), all into 8 ohms from 20-20,000 Hz with 0.02% THD. S/N 110 dBA. 17 x 6 $\frac{3}{8}$  x 17 $\frac{1}{4}$  in; 31.9 lb. \$1,000

### AU-X517R 65-W/ch Integrated Amplifier

2 channels. Servo-driven source-selector; subsonic filter. 4 speaker outputs. 4-mode loudness bass-boost control; source-direct switch; rec-out selector; remote control. 65 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 70 dB MC, 88 dB MM, 105 dB line. 17 x 5 $\frac{3}{8}$  x 13 in; 20 lb. \$579

AU-X417R. As above, without bass boost. One-mode loudness. Features motor-driven volume control; muting. 55 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 65 dB MC, 80 dB MM. \$365

### AU-X117 30-W/ch Integrated Amplifier

2 channels. 4 speaker outputs; gold-plated headphone jack. CD-direct switch. 30 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 78 dB phono, 105 dB line. 17 x 5 x 11 $\frac{1}{4}$  in; 11 lb. \$199

## SONY

### ES Series

### TA-AV670 270-W A/V Integrated Amplifier

4 channels with Dolby Pro Logic decoder and DSP. Features discrete output transistors; separate power transformers for audio and control sections; motor-driven volume control. 5 audio inputs including phono; 2 tape-monitor loops; 7 AV inputs including 3 S-video inputs and 5 VCR-monitor loops; gold-plated inputs; speaker binding posts. 5 sound-field presets; source-direct switch; AV dubbing; AV rec-out selector; separate front, center, and rear tone controls; programmable remote control. 70 W x 3 (front, center) + 60 x 1 (rear) into 8 ohms from 20-20,000 Hz with 0.08% THD. Dynamic headroom 2.5 dB; damping factor 50 into 8 ohms at 1,000 Hz; FR 20-20,000 Hz  $\pm$  0.5 dB phono, 10-100,000 Hz +0, -3 dB line; S/N 92 dB. 18 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 17 in; 37 lb. \$1,000

## SUPERIOR AUDIO

### JX-17 30-W/ch Integrated Amplifier

4 channels. Designed for pocket stereos. Toroidal transformer. 1 mini-jack, 1 MM/aux, and 4 line gold-plated inputs; 4 line-level outputs; headphone jack. Active crossover adjustable from 72-250 Hz; rotary source and rec-out switches; L/R LED level meters with range switch and brightness controls; mono/stereo, low/high-cut filter, and loudness switches; volume, balance, and tone controls; built-in battery charger. 30 W x 2, 15 x 4, or 15 x 2 + 30 x 1, all into 8 ohms from 20-25,000 Hz with 0.003% THD. Dynamic headroom 1.25 dB; S/N 82 dB. Black anodized aluminum finish. 3-yr warranty. 7 x 3 x 6 in; 8 lb. \$500

### JX-16 15-W/ch Integrated Amplifier

2 channels. Designed for pocket stereos. 1 mini-jack, 1 MM/aux, and 3 line-level gold-plated inputs; headphone jack. Features toroidal transformer. Built-in battery charger; rotary source and rec-out switches; L/R LED level meters with range switch and brightness controls; mono/stereo, low/high-cut filter, and loudness switches; volume, balance, and tone controls. 15 W x 2 into 8 ohms from 20-25,000 Hz with 0.003% THD. Dynamic headroom 1.25 dB; S/N 82 dB. Black anodized aluminum finish. 3-yr warranty. 7 x 1 $\frac{3}{4}$  x 6 in; 5 lb. \$349

## TEAC

### A-X5000 75-W/ch Integrated Amplifier

2 channels. MM/MC phono input; 6 line inputs; outputs for 2 speaker pairs. Source-direct switch; independent input and record selectors; -20 dB mute button; switchable subsonic filter; loudness switch; tone and balance controls; dual speaker terminals. 75 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.009% THD. S/N 80 dB phono, 101 dB line; sens 0.25 mV/100,000 ohms MC. 17 $\frac{3}{8}$  x 6 $\frac{1}{4}$  x 14 $\frac{1}{8}$  in; 23 lb. \$450

### A-X3000 60-W/ch Integrated Amplifier

2 channels. Phono input; 5 line inputs; mic input with level control; outputs for 2 speaker pairs. Source-direct switch; independent input and rec selectors; -20 dB mute button; subsonic filter; loudness switch; tone and balance controls. 60 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.02% THD. Signal-to-noise ratio 78 dB phono, 101 dB line. Dimensions: 17 $\frac{3}{8}$  x 5 x 14 $\frac{1}{8}$  in; 20 lb. \$380

### A-X1000 40-W/ch Integrated Amplifier

2 channels. Phono input; 5 line-level inputs; mic input with level control; outputs for 2 speaker pairs. Source-direct switch; independent input and record selectors; loudness switch; tone and balance controls. 40 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.02% THD. S/N 78 dB phono, 101 dB line. 17 $\frac{3}{8}$  x 5 x 14 $\frac{1}{8}$  in; 17 lb. \$290

## TECHNICS

### SU-V660 90-W/ch Integrated Amplifier

2 channels. Features Class AA circuitry; heavy-duty power supply. Switchable MC/MM phono inputs; pre-out/main-in loop; A/B speaker terminals. Defeatable tone and loudness controls. 90 W x 2 cont avg into 8 ohms with 0.007% THD. FR 30-15,000 Hz  $\pm$  0.8 dB phono, 20-20,000 Hz +0, -0.2 dB line; S/N 72 dB MC, 76 dB MM, 80 dB line; damping factor 80. \$399

### SU-V450 50-W/ch Integrated Amplifier

2 channels. Features Class AA circuitry; heavy-duty power supply. Pre-out/main-in loop; A/B speaker terminals. Defeatable tone and loudness controls. 50 W x 2 cont avg into 8 ohms with 0.007% THD. FR 30-15,000 Hz  $\pm$  0.8 dB phono, 20-20,000 Hz +0, -0.2 dB line; S/N 76 dB MM, 81 dB line; damping factor 60. \$300

## YAMAHA

### DSP-A1000 340-W A/V Integrated Amplifier

7 channels with Dolby Pro Logic decoder and DSP. Features auto input balance; tv-theater and concert-video modes; 35-mm and 70-mm theater modes; pre-out/main-in loop; motor-driven input selector with LED. 10 audio and 5 video inputs with S-video terminal; subwoofer output with low-pass filter; 2 switchable center-channel outputs; front-panel S-video A/V input. 23 DSP modes; 5-band center-channel EQ; digital test-tone generator for digital signal processing and Dolby Pro Logic; programmable remote control. 80 W x 3 into 8 ohms from 20-20,000 Hz with 0.015% THD (front, center) + 25 x 4 with 0.05% total harmonic distortion (side, rear). \$1,499

### DSP-E1000 180-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and DSP. Features auto input balance; tv-theater and concert video modes; 35-mm and 70-mm theater modes; motor-driven volume control. Tape-monitor loop; video inputs and outputs with S-video terminals; subwoofer output with 200-Hz low-pass filter; line-level outputs for all channels; 5-way binding posts. 23 DSP modes; 5-band center-channel EQ; normal, wide, and phantom center-channel surround modes; front, rear, and center-channel level controls; front and rear channels bass boost; on-screen superimpose; digital test-tone generator for digital signal processing and Dolby Pro Logic; audio muting; remote control. 25 W x 4 rms into 8 ohms with 0.05% THD (front, rear) + 80 x 1 with 0.015% total harmonic distortion (center). 17 $\frac{1}{8}$  x 5 $\frac{1}{4}$  x 15 $\frac{1}{4}$  in. \$999

### AX-550 85-W Integrated Amplifier

2 channels. Motor-driven input selector. Switchable MC/MM phono input; pre-out/main-in loop; 5-way binding posts. Continuously variable loudness control; defeatable tone and balance controls; switchable subsonic filter with 18 dB/oct slope; rec-out selector; RS-system-compatible remote control. 85 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 110 dB. 27 lb. \$449

AX-450. As above, without motor-driven input selector. 65 W x 2 into 8 ohms. 24 lb. \$349

# POWER AMPLIFIERS

## ACOUSTIC RESEARCH

### Limited S250 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms. Features xLR and RCA connectors. 50 lb ..... \$2,900  
**Limited S100.** As above, 100 W x 2 ..... \$1,800

## ACURUS

### A250 250-W/ch Amplifier

2 channels. Features Class A circuitry; bipolar-transistor output stage; glass epoxy circuit board. 250 W x 2 into 8 ohms or 350 x 2 into 4 ohms ..... \$895  
**A100.** As above, 100 W x 2. 17 x 3 1/2 x 8 in. .... \$595

## ADCOM

### GFA-585 250-W Mono Amplifier

1 channel. Features 20 discrete transistors in output stage. 250 W x 1 into 8 ohms or 400 x 1 into 4 ohms. THD 0.002%; FR 20-20,000 Hz; damping factor 600. Black ..... \$1,200  
**GFA-585W.** As above, white ..... \$1,250  
**RM-8.** Rack-mount adaptors ..... \$30/pr  
**RM-8W.** As RM-8, white ..... \$35/pr

### GFA-565 300-W Mono Amplifier

1 channel. Features 20 discrete transistors in output stage. 300 W x 1 into 8 ohms, 450 x 1 into 4 ohms, or 850 x 1 into 2 ohms. S/N 106 dBA; dynamic headroom 1.6 dB into 4 ohms; input imp 50-700 ohms; input sens 2.15 V; damping factor 1,000 into 8 ohms. Black. 17 x 8 1/4 x 11 1/2 in; 45 lb ..... \$900  
**GFA-565W.** As above, white ..... \$950

### GFA-555II 200-W/ch Amplifier

2 channels. Features 1-ohm stability; low-negative-feedback design; constant damping factor; toroidal transformer; direct-coupled circuitry. 200 W x 2 into 8 ohms or 350 x 2 into 4 ohms. THD 0.04%; damping factor 800; FR 20-20,000 Hz ..... \$850  
**GFA-555W.** As above, white ..... \$900  
**RM-7.** Rack-mount adaptors ..... \$20/pr  
**RM-7W.** As RM-7, white ..... \$25/pr

### GFA-545II 100-W/ch Amplifier

2 channels. Features 1-ohm stability; low-negative-feedback design; constant damping factor; toroidal transformer; direct-coupled circuitry. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. THD 0.04%. 17 x 5 1/2 x 12 1/2 in; 25 lb ..... \$550  
**GFA-545W.** As above, white ..... \$600  
**RM-5.** Rack-mount adaptors ..... \$20/pr  
**RM-5W.** As RM-5, white ..... \$25/pr

### GFA-535II 60-W/ch Amplifier

2 channels. Features 1-ohm stability; low-negative-feedback design; constant damping factor; direct-coupled design; separate power transformers for each channel. 2 sets of speaker outputs. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. THD 0.04%. 17 x 3 1/4 x 12 1/2 in ..... \$350  
**GFA-535W.** As above, white ..... \$400  
**GFA-535L.** As above, with flush-mounted gain controls for each channel ..... \$370  
**RM-3.** Rack-mount adaptors ..... \$20/pr  
**RM-3W.** As RM-3, white ..... \$25/pr

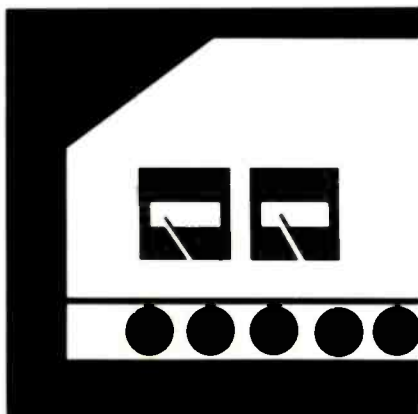
## AIR TIGHT

### ATM-3 100-W Mono Tube Amplifier

1 channel. Features 6CA7/EL34 tubes with triple push-pull configuration. Ultra linear/triode mode selector; bias meter; independent bias control system. 100 W x 1. FR 20-20,000 Hz  $\pm$  1 dB; THD 0.08% at 1,000 Hz; S/N 100 dB ..... \$9,500

### ATM-2 80-W/ch Tube Amplifier

2 channels. Features OFC wiring; cathode-follower direct-drive design; copper-plated chassis and bottom plate; four KT-88, two 12AX7A, two 12AU7A, and two 12BH7A tubes in output stages. CD-direct input. Bias adjuster. 80 W x 2 into 8 ohms. FR 20-20,000 Hz  $\pm$  1 dB; THD 0.07% at 1,000 Hz; S/N 100 dB. 16 1/8 x 8 1/8 x 15 1/4 in; 70.7 lb ..... \$5,950



### ATM-1 36-W/ch Tube Amplifier

2 channels. Features four 6CA7 tubes in output stage; parallel-position 5A4R rectifier tubes; OFC wiring; Mullard phase inversion. CD-direct input. 36 W x 2 into 8 ohms. FR 20-20,000 Hz  $\pm$  1 dB; THD 0.1% at 1,000 Hz; S/N 100 dB. 14 3/4 x 9 1/4 x 11 1/4 in; 48.6 lb ..... \$3,450

## AMC

### Model 2445 180-W Amplifier

4 channels. 45 W x 4 into 4 ohms or 100 x 2 into 8 ohms. FR 20-20,000 Hz  $\pm$  0.2 dB; THD 0.04%; S/N 100 dBA at 1 W; input imp 20 kilohms; damping factor 100 ..... \$400

## AMERICAN HYBRID TECHNOLOGY

### AHT/300 300-W Mono Amplifier

1 channel. All-tube design using solid-state regulated power supplies for driver stage, output stage, bias stage, and driver filament regulation; separately regulated negative and positive power tube filaments; silver porcelain tube sockets; Vishay and Caddock resistors; Teflon capacitors; WBT connectors. 300 W x 1 into 8 or 4 ohms. FR 10-100,000 Hz; input imp 50 kilohms. Custom order only ..... \$30,000/pr

## ARAGON BY MONDIAL DESIGNS

### Palladium Mono 100-W/ch Amplifier

1 channel. Class A DC coupled circuitry; dual-differential balanced design; matched output transistors. 100 W x 1 into 8 ohms, 600 x 1 into 4 ohms, or 800 x 1 into 2 ohms. 19 x 6 1/2 x 14 in; 65 lb ..... \$2,000

### Model 4004 MkII 200-W/ch Amplifier

2 channels. Features dual-mono design; 2 power supplies; 2 toroidal transformers; quad-array transistor; gold-plated connectors; Monster Cable output wiring. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 700 x 2 into 2 ohms. S/N 120 dB; damping factor 200. 19 x 6 1/2 x 14 in; 65 lb ..... \$1,850  
**Model 2004.** As above, 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 350 x 2 into 2 ohms. 44 lb ..... \$1,395

## ARCAM

### Delta 120 100-W/ch Amplifier

2 channels. Dual-mono configuration. Separate power supplies and toroidal transformers; bridgeable. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Peak output current  $\pm$  25 amperes ..... \$1,100

## AUDIO BY VAN ALSTINE

### FET-Valve 500 250-W/ch Tube Amplifier

Features hybrid vacuum tube and Class A MOSFET trans-imp circuitry. 250 W x 2 into 8 ohms. THD 0.01%. 17 x 7 1/2 x 14 1/2 in; 38 lb ..... \$1,995

### Omega II 400 200-W/ch Amplifier

Active feedback design. 200 W x 2 into 8 ohms. Slew

rate 500 V/ $\mu$ s; noise 2 mV; THD 0.05%. 17 x 7 1/2 x 14 1/2 in; 45 lb ..... \$1,295

### Delta 120 60-W/ch Amplifier

Complementary MOSFET circuits. 60 W x 2 into 8 ohms. THD 0.03% ..... \$445

### Super 70i 35-W/ch Tube Amp Kit

Do-it-yourself kit for original Dynaco St-70 power amplifier chassis. Motherboard with B+ supply, bias supply, and A.V.A. audio circuits; uses 6GH8A driver tubes ..... \$200

## AUDIO DESIGN ASSOCIATES

### MPA-500 2,000-W Amplifier

Designed for THX home-theater applications. Features power supply in separate chassis; fan cooling. 400 W x 5. 5 1/4 x 19 x 16 1/2 in (each chassis) ..... \$5,900

### BPA-500 500-W Mono Amplifier

1 channel. Designed for subwoofers. 500 W x 1. 5 1/4 x 19 x 16 1/2 in ..... \$1,995

### MPA-6 700-W Amplifier

6 channels. Designed for home-theater applications. Variable 20-200 Hz subwoofer crossover. Subwoofer output with level control; 5-way binding posts. Variable input sens and LED power indicators for each channel. 90 W x 5 + 250 x 1 (subwoofer). 5 1/4 x 19 x 16 1/2 in; 32 lb ..... \$1,595

### MPA-5 575-W Amplifier

5 channels. Designed for home-theater applications. 5-way binding posts. Variable input sens and LED power indicator for each channel. 115 W x 5. 5 1/4 x 19 x 16 1/2 in; 32 lb ..... \$1,545

### PBA-150 200-W Mono Amplifier

1 channel. Designed for subwoofers. Features toroidal power transformer; fan cooling. Front-panel fuse; 20-segment LED power meter; continuously variable level, frequency, and bandwidth controls. 200 W x 1 cont avg into 8 ohms from 20-200 Hz with 0.06% THD or 325 x 1 into 4 ohms. S/N 101 dB; slew rate 10 V/ $\mu$ s. 19 x 5 1/4 x 16 1/2 in; 32 lb ..... \$1,495

### PF-250 100-W/ch Amplifier

2 channels. Features MOSFET circuitry; 2-ohm stability; toroidal transformer; fan cooling. 20-segment LED power meter. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.07% THD. 160 x 2 into 4 ohms, or 240 x 2 into 2 ohms. S/N 95 dB; slew rate 15 V/ $\mu$ s. 19 x 5 1/4 x 16 1/2 in; 37 lb ..... \$1,495

### PF-200 50-W/ch Amplifier

2 channels. Features MOSFET circuitry; 1/2-ohm load capability; toroidal transformer; fan cooling. Front-panel fuse; 4-segment LED output meters. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.07% THD, 110 x 2 into 4 ohms, or 240 x 2 into 1/2 ohm. S/N 95 dB; slew rate 10 V/ $\mu$ s ..... \$1,295

### PBA-50 50-W Mono Amplifier

1 channel. Designed for subwoofers. Features toroidal power transformer; fan cooling. Continuously variable level, frequency, and bandwidth controls; 10-segment LED power meter. 50 W x 1 into 8 ohms from 20-20,000 Hz with 0.02 THD or 80 x 1 into 4 ohms. S/N 104 dB; slew rate 10 V/ $\mu$ s ..... \$995

### PT-100 50-W/ch Amplifier

2 channels. Features toroidal power transformer; 2-ohm load capability; fan cooling. 10-segment LED power meters; rear-panel power fuse; gain control. 25 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.02% THD or 40 x 2 into 4 ohms. S/N 104 dB. 19 x 1 3/4 x 13 in; 10 lb ..... \$950

## AUDIO INNOVATIONS

### Triode Audio Amplifiers

The following feature Class A operation, hand-wired silver circuits, zero feedback, and direct-heated triodes.

**Third Audio 30-W Mono Tube Amplifier**

1 channel. Features paper-in-oil capacitors; non-magnetic resistors; 845 triodes. 30 W x 2 cont avg into 2, 4, or 8 ohms. FR 20-35,000 Hz; THD 0.2%; sens 75 mV; input imp 220 kilohms. 40 lb. \$14,995/pr  
**Second Audio.** As above, 2A3 triodes. 15 W x 1 cont avg into 2, 4, or 8 ohms. THD 0.25% \$6,695/pr

**First Audio 7.5-W/ch Tube Amplifier**

2 channels. Features paper-in-oil capacitors; non-magnetic resistors; 2A3 triodes. 7.5 W x 2 cont avg into 4, 8, or 16 ohms. FR 20-30,000 Hz; THD 0.8%; sens 75 mV; input imp 220 kilohms. 38 lb. \$3,395

**Pentode Class A Amplifiers**

The following feature Class A operation, minimal feedback, and self-biasing circuitry.

**Series 1000/III 50-W Mono Tube Amplifier**

1 channel. 50 W x 1 cont avg into 8 ohms. THD 0.1%; sens 250 mV; input imp 220 kilohms. 35 lb \$3,495/pr

**Series 800/III 25-W/ch Tube Amplifier**

2 channels. 25 W x 2 cont avg into 8 ohms. FR 20-25,000 Hz; THD 0.1%; sens 250 mV. 37.5 lb. \$2,395

**AUDIOLAB**

**Model 8000M 125-W Mono Tube Amplifier**

1 channel. Features toroidal transformer; electronic overload protection. 2 inputs and outputs. 125 W x 1 into 8 ohms or 200 x 1 into 4 ohms. FR 1-75,000 Hz; S/N 95 dB; THD 0.05%; input imp 50 kilohms. \$1,295

**Model 8000P MkII 100-W/ch Amplifier**

2 channels. Features differential FET input design; toroidal transformer with split secondaries; bipolar output stage; electronic overload protection and muting. 2 inputs and outputs. 100 W x 2 into 8 ohms or 175 x 2 into 4 ohms. FR 3-75,000 Hz; THD 0.05%; S/N 95 dB; input imp 50 kilohms. \$1,199

**AUDIO NOTE**

**Gaku-On 50-W Mono Tube Amplifier**

1 channel. Features Class A parallel push-pull triode operation; zero feedback; separate tube-regulated power supplies for each stage; hand-wound silver-wired output transformers; silver-wired circuits; Ceratone electrolytic capacitors; silver-foil capacitors; non-magnetic tantalum-film resistors; direct-heated 845-triode output stage; copper chassis. 50 W x 1 cont avg into 8 ohms. FR 10-40,000 Hz; slew rate 5 V/μs; input imp 250,000 ohms. 85 lb. \$160,000/pr

**Kegon 17-W/ch Tube Amplifier**

2 channels. Features Class A parallel single-ended triode operation; zero feedback; tube-regulated power supply; hand-wound silver-wired output transformers; silver-wired circuits; Ceratone electrolytic capacitors; silver-foil capacitors; nonmagnetic tantalum-film resistors; original Western Electric direct-heated 300B-triode output stage; copper chassis. 17 W x 2 cont avg into 8 ohms. FR 10-40,000 Hz; input imp 250 kilohms. 60 lb. \$83,750

**Kassai.** As above, with fewer silver refinements. Pure copper in output transformer's primary, pure silver in secondary. 55 lb. \$33,750

**Neiro 7.5-W/ch Tube Amplifier**

2 channels. Features Class A triode operation; zero feedback; parallel single-ended, age-annealed OFHC copper-wired output transformers; silver hand wiring; paper-in-oil signal capacitors; tantalum-film resistors; direct-heated triode stage with 2A3 tubes; copper chassis. 7.5 W x 2 cont avg into 8 ohms. FR 10-40,000 Hz; slew rate 8 V/μs; input imp 100,000 ohms. 55 lb. \$12,500

**Neiro/S.** As above, silver capacitors. \$16,500

**AUDIO RESEARCH**

**M300 MkII 300-W Mono Tube Amplifier**

1 channel. Hybrid design with FET front end and vacuum-tube output stage; cross-coupled circuitry;

line and screen voltage fuses with LED indicators accessible from front panel; 2 low-noise cooling fans. Standby switch; auto muting; gold-plated inputs; output taps for 1, 2, 4, or 8 ohms; front and rear carrying handles. 300 W x 1 cont avg from 16-25,000 Hz into 8 ohms with 0.05% THD. Power at clipping 330 W. FR 10-60,000 Hz ±0, -3 dB; S/N 90 dB; slew rate 25 V/μs. \$5,495

**Classic 150 140-W Mono Tube Amplifier**

1 channel. Hybrid design with FET front end and vacuum-tube output stage. Features tube-protection circuit; cross-coupled circuitry. Standby switch; auto muting; balanced outputs. 140 W x 1 cont avg into 1, 2, 4, or 8 ohms. FR 7-100,000 Hz ±0, -3 dB. 19 x 10 1/2 x 16 1/2 in; 110 lb. \$4,995

**D400 200-W/ch Amplifier**

2 channels. Features Class AB circuitry; dual-mono design; 40 multiple-emitter transistors in direct-coupled output stage; two separate transformers. XLR connectors; RCA inputs; brass output connectors. 200 W x 2 into 8 ohms from 4-100,000 Hz. Input sens 1.91 V rms; input imp 150 kilohms normal, 300 kilohms balanced; slew rate 50 V/μs. 3-year warranty. 19 x 9 x 17 3/4 in; 73 lb. \$4,995

**Classic 60 60-W/ch Tube Amplifier**

2 channels. Hybrid design with FET front end and vacuum-tube output stage. Features auto DC-balance circuit; driver-balance servo circuit; auto bias correction for incoming line voltage. Low-noise fan; front-panel fuses. 60 W x 2 cont avg. FR 12-40,000 Hz ±0, -3 dB. \$3,495

**Classic 120 115-W/ch Mono Tube Amplifier**

1 channel. Hybrid design with FET front end and vacuum-tubes output stage. Auto DC-balance circuit; driver-balance servo circuit; auto-bias correction for incoming line voltage; cross-coupled circuitry. Balanced outputs. FR 10-80,000 Hz ±3 dB; S/N 92 dB. \$3,495

**D240 120-W/ch Amplifier**

2 channels. Direct-coupled output stage with 12 high-current multiple-emitter transistors per channel; low impedance capabilities; thermal-overload and DC current-sensing protection circuitry. RCA inputs; XLR connectors; gold-plated binding posts. 120 W x 2 into 8 ohms or 240 x 2 into 4 ohms. Input sens 1.6 V rms; negative feedback 7.7 dB; slew rate 50 V/μs. 19 x 5 1/4 x 11 1/2 in; 38 lb. \$2,995

**Classic 30 30-W/ch Tube Amplifier**

2 channels. Hybrid design with FET front end and vacuum-tube output stage. Features auto DC-balance circuit; auto-bias correction for incoming line voltage. 30 W x 2 cont avg. FR 15-50,000 Hz ±0, -3 dB. 19 x 7 x 14 1/2 in; 46 lb. \$2,495

**AUDIOSOURCE**

**Amp One 60-W/ch Amplifier**

2 channels. MOSFET circuitry; toroidal power transformer; soft-clipping output circuitry. Dual analog power-output meters; L/R output level controls. 60 W x 2 cont avg into 8 ohms or 170 x 1 max into 8 ohms. FR 20-20,000 Hz; THD 0.04%. \$300

**AUDIRE**

The following feature a 3-yr warranty.

**Parlando 100-W/ch Amplifier**

2 channels. Features dual-mono, Class A circuitry; 1-ohm stability. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.02% THD. Hum & noise -110 dB; IM 0.003%; slew rate 50 V/μs; damping factor 800 at 1,000 Hz. 19 x 8 3/4 x 18 1/2 in; 85 lb. \$3,000

**Otez 250-W/ch Amplifier**

2 channels. Features dual-mono, Class A/AB circuitry; modular construction; large power supply; 1 fuse per 2 output transistors; amplifier protection by current sensing devices outside of signal-path. Combi-

nation circuit breaker/power switch. 250 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD. Hum & noise -110 dB; IM 0.015%; slew rate 50 V/μs; damping factor 850 at 1,000 Hz. 19 x 8 3/4 x 18 1/2 in; 85 lb. \$2,900

**Tenendo 200-W/ch Amplifier**

2 channels. Features dual-mono, Class AB design; modular construction; large power supply; rail fuses; current sensing devices. Balanced XLR inputs. Combination circuit breaker/power switch for each channel. 200 W x 2 into 8 ohms. FR 2-100,000 Hz -1 dB; IM 0.01%; slew rate 50 V/μs; damping factor 700. 19 x 7 x 10 in; 50 lb. \$1,750

**Noble II 200-W Mono Amplifier**

1 channel. Features discrete, Class A design; toroidal transformer. 8 matched output devices. 200 W x 1 into 8 ohms from 20-20,000 Hz with 0.03% THD. Hum & noise -110 dB; IM 0.005%; slew rate 50 V/μs; damping factor 1,000 at 1,000 Hz. 16 x 4 x 11 1/2 in; 25 lb. \$1,100

**Noble I.** As above, 75 W x 1 with 0.02% THD. Damping factor 900 at 1,000 Hz. \$1,050

**Forte 125-W/ch Amplifier**

2 channels. Features dual-mono design; bipolar transistors. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Hum & noise -105 dB; IM 0.008%; slew rate 50 V/μs; damping factor 350 at 1,000 Hz. 19 x 5 1/4 x 10 in; 41 lb. \$1,050

MOSFET version. \$1,150

**Crescendo 75-W/ch Amplifier**

2 channels. Features bipolar transistors. 75 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Hum & noise -100 dB; IM 0.01%; slew rate 45 V/μs; damping factor 300. 19 x 5 1/4 x 9 in; 22 lb. \$495

MOSFET version. \$535

**B&K COMPONENTS**

**Video-5 Sonata 525-W Amplifier**

5 channels. For surround or multiroom applications. Gold-plated input/output connectors. Level controls. 105 W x 5. FR 5-45,000 Hz ±3 dB; S/N 90 dB; dynamic headroom 0.9 dB; slew rate 20 V/μs; THD 0.09% at 1,000 Hz. 17 x 6 x 17 3/4 in; 40 lb. \$1,298

**EX-442 Sonata 200-W/ch Amplifier**

2 channels. Features dual-mono construction with DC-coupled circuitry. Gold-plated input/output connectors; balanced inputs. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms. FR 1-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB; IM 0.09% slew rate 14 V/μs; dynamic headroom 1.2 dB. 17 x 5 1/4 x 17 in; 40 lb. \$998

**M-200 Sonata 200-W Mono Amplifier**

1 channel. Features Class-A predriver circuitry driving Class-AB MOSFET output stage; toroidal transformers. Balanced inputs. 200 W x 1 into 8 ohms or 400 x 1 into 4 ohms. FR 1-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB; IM 0.09%; slew rate 14 V/μs; damping factor 750; dynamic headroom 1.4 dB. 17 x 5 1/4 x 17 in; 40 lb. \$948

**VMR-6 360-W Amplifier**

6 channels. For surround or multiroom applications. Gold-plated inputs/output connectors. Level controls. 60 W x 6. FR 5-45,000 Hz ±3 dB; S/N 94 dB; dynamic headroom 0.9 dB; 17 x 5 1/4 x 17 in; 27 lb. \$898

**ST-202 Plus 200-W/ch Amplifier**

2 channels. Balanced inputs. 200 W x 2 into 8 ohms. THD 0.09%; FR 5-45,000 Hz; S/N 95 dB; slew rate 14 V/μs; dynamic headroom 1.1 dB. 17 x 5 1/4 x 17 in; 32 lb. \$798

**ST-202 150-W/ch Amplifier**

2 channels. Features 4-ohm stability; gold-plated connectors. Balanced inputs. 150 W x 2 into 8 ohms or 200 x 2 into 4 ohms. THD 0.09%; S/N 95 dB; slew rate 14 V/μs; dynamic headroom 1.5 dB. 17 x 5 1/4 x 17 in; 30 lb. \$698

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Amplifier

**B**ryston's new 3B NRB amplifier is a companion piece to the 4B NRB and 7B NRB, with a similarly optimized interface between power supply and signal circuitry, and the same ultra-linear amplification as its larger counterparts. Its 120 watts per channel is a popular size for a wide range of music systems requiring the highest quality source of power. **T**he 3B NRB uses Bryston's proprietary Quad-Complementary output section, which improves linearity to a new standard of accuracy, while virtually eliminating aggressive higher harmonic distortion products. From input to output, all the circuitry in the NRB series of amps has been optimized for the most musical amplification possible, with dual power supplies to provide precise and focused imaging. **N**ew, three-colour LEDs glow green for power-on, yellow for transient clipping, and red to indicate longer-term overload or any other departure from linearity, including shorted outputs, or strong out-of-band information, like RF or DC. Gold plated RCA and XLR input

connectors allow unbalanced or balanced operation at the flick of a rear mounted switch. A ground lift switch separates system ground from audio ground to reduce annoying ground loops and system hum. Finally, switchable monaural operation is available if higher power requirements become necessary. **A**lthough the description of circuit innovations can indicate the research and commitment we bring to the design of the finest audio products, only in the listening does the result of that dedication become clear. Bryston's 3B NRB is capable of doing justice to the most refined sound system, with the subtlest details of the musical fabric revealed in their original form. **W**e invite you to experience the musical accuracy, long term reliability and excellent value the Bryston 3B NRB represents.

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**ST-140 105-W/ch Amplifier**

2 channels. Class-A design up to MOSFET output stage. Balanced inputs. 105 W x 2 into 8 ohms or 150 x 2 into 4 ohms. THD 0.09%; FR 5-45,000 Hz; SN 95 dB; slew rate 14 V/ $\mu$ s; dynamic headroom 1.4 dB. 17 x 5 1/4 x 17 in; 25 lb ..... \$548  
**ST-140.** Mono version of above, 150 W x 1 into 8 ohms ..... \$548

**ST-120 60-W/ch Amplifier**

2 channels. Class-A predriver stage, Class-AB MOSFET output stage. Balanced inputs. 60 W x 2 into 8 ohms. FR 5-45,000 Hz; SN 95 dB; THD 0.09% at 1,000 Hz. 17 x 2 1/2 x 10 in; 15 lb ..... \$398

**BEAR LABS**

**Symphony No.1 180-W/ch Amplifier**

2 channels. Features balanced DC coupled circuitry; polypropylene capacitors; Class-AB operation; dual power transformers; stacked MOSFET's; metal-film resistors; FET and bipolar input devices; silver-plated Teflon-insulated wire; soft-start circuitry; internal mounting of heatsink system; anodized-aluminum chassis bottom; milspec aluminum transit case. Gold-plated AC/DC-coupled RCA inputs and binding posts. Backlit status display. 180 W x 2 into 8 ohms. Slew rate 75 V/ $\mu$ s; voltage gain 26 dB; THD 0.0025% at 1,000 Hz, 0.0065% at 10,000 Hz. 19 x 8 x 24 in; 128 lb ..... \$8,333

**BEL**

**Model 2002 100-W/ch Amplifier**

2 channels. Features dual-mono construction with balanced outputs; 2 Class A amplifiers per channel; independent power supply for each channel. Temperature, frequency, output, and load indicators for each amp section. 100 W x 2 cont avg into 8 ohms or 200 x 1 into 4 ohms. Input imp 22 kilohms; high-level sens 1,400 mV; gain 26 dB; bandwidth 3-250,000 Hz with input filter. 19 x 7 3/4 x 14 1/4 in; 52 lb ..... \$4,395

**Model 1001P 400-W Mono Amplifier**

1 channel. Features Class A design; balanced output; temperature-stabilizing circuitry; fault-sensing system. Balanced input optional. 400 W x 1 into 1 ohm. Input imp 13.5 ohms; high-level sens 1 V; FR 5-200,000 Hz. 17 1/4 x 7 1/4 x 12 3/4 in; 28 lb ..... \$2,195

**Model 1001 MkII 50-W/ch Amplifier**

2 channels. Features Class A design; balanced output; temperature-stabilizing circuitry; fault-sensing system; balanced input optional. 50 W x 2 cont avg into 8 ohms, 100 x 2 into 4 ohms, or 200 x 1. Input imp 27 kilohms; high-level sens 1 V; bandwidth 5-200,000 Hz. 17 1/4 x 7 1/4 x 12 3/4 in; 28 lb ..... \$1,995

**BERNING**

**EA-2101 100-W/ch Tube Amplifier**

2 channels. Uses triode vacuum tubes. Features regulated power supply; voltage protection; 4 output transformer windings/ch. 100 W x 2 cont avg. FR 10-60,000 Hz  $\pm$  1.5 dB; THD 2% into 8 ohms; SN 100 dB. 19 x 5 1/4 x 19 in; 40 lb ..... \$4,290

**BGW SYSTEMS**

**SPA-3 750-W Amplifier**

3 channels. Features security panel; digital attenuators. Adjustable high-pass filter; parametric EQ; 2 adjustable delays; magnetic circuit breaker. 250 W x 3 into 8 ohms or 300 x 3 into 4 ohms. SN 100 dB. 19 x 5 1/4 x 13 1/8 in; 48 lb ..... \$2,599

**GTA Grand Touring 350-W/ch Amplifier**

2 channels. Featuring 5/4-in welded-steel chassis; high-speed power transistors; dual power supplies; solid-state DC speaker protection; cooling fan. Active-balanced inputs; xLR and 1/4-in input connectors; 5-way binding posts. Rear panel switchable subsonic filter. 350 W x 2 into 8 ohms, 625 x 2 into 4 ohms, 1,000 x 2 into 2 ohms, or 2,000 x 1 into 4 ohms. FR 3-85,000 Hz  $\pm$  3 dB, 20-20,000 Hz  $\pm$  0.2 dB; IM 0.03%;

slew rate 20 V/ $\mu$ s stereo; damping factor 500. 17 1/2 x 5 1/4 x 14 1/2 in ..... \$2,199  
**GTA-06.** As above, transformer-isolated inputs ..... \$2,299

**GTC Grand Touring 325-W/ch Amplifier**

2 channels. Features Class AB operation; power transistors; looping xLR's with ground lift; variable-speed forced air cooling; solid-state DC speaker protection; toroidal power transformer; thermal protection sensor. Active balanced inputs; bridged-mono output; 5-way binding posts. Switchable speaker protection filter; magnetic circuit breaker; 2 LED's for modulation; 2 LED clip indicators. 325 W x 2 into 8 ohms with 0.10% THD, 550 x 2 into 4 ohms with 0.15% THD, or 1,100 x 1 into 8 ohms with 0.25% THD. FR 3-85,000 Hz +0, -3 dB, 20-20,000 Hz +0, -0.2 dB; IM 0.03%; damping factor 500; slew rate 20 V/ $\mu$ s stereo. 17 1/2 x 3 1/2 x 15 1/2 in; 45 lb ..... \$2,099

**GTB Grand Touring 300-W/ch Amplifier**

2 channels. Features high-speed power transistors; power supply; cooling fan; modular construction; solid-state DC speaker protection. xLR and 1/4-in input connectors; active-balanced inputs with switchable subsonic filter; 5-way binding posts. 300 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 2 into 2 ohms. FR 3-85,000 Hz  $\pm$  3 dB, 20-20,000 Hz  $\pm$  0.2 dB; IM 0.01%; slew rate 20 V/ $\mu$ s stereo; damping factor 500. Accepts 2 internal crossover cards ..... \$1,539  
**GTB-06.** As above, transformer-isolated inputs ..... \$1,639

**Model 350A Series 200-W/ch Amplifier**

2 channels. Features discrete circuitry; high-speed transistors; low-feedback design; solid-state DC speaker protection; magnetic circuit breaker; precision-stepped attenuators. Active-balanced inputs; xLR and 1/4-in input connectors; 5-way binding posts. Dynamic range LED display and status indicators; modulation and clip indicators; switchable subsonic filters. 200 W x 2 into 8 ohms, 325 x 2 into 4 ohms, or 600 x 1 into 8 ohms. FR 3-85,000 Hz  $\pm$  3 dB, 20-20,000 Hz  $\pm$  0.2 dB; IM 0.03%; slew rate 20 V/ $\mu$ s stereo; damping factor 400. Gold and black finish. 19 x 5 1/4 x 10 7/8 in; 34 lb ..... \$1,349  
**Model 350A/06.** As above, transformer-isolated inputs ..... \$1,449  
**Model 350/06.** As Model 350, transformer-isolated inputs ..... \$1,299  
**Model 350.** As Model 350A, without dynamic range LED display and status indicators ..... \$1,199

**Model 8500T 300-W/ch Amplifier**

2 channels. Features speaker protection. Barrier strip inputs/outputs; 1/4-in input connectors. Rear-mounted gain controls and bridging switch. 300 W x 2 into 8 ohms or 450 x 2 into 4 ohms. FR 3-85,000 Hz +0, -3 dB; IM 0.01%; damping factor 300. 19 x 5 1/4 x 13 3/4 in; 56 lb ..... \$1,299

**Model 200 100-W/ch Amplifier**

2 channels. Features short-current protection; toroidal power transformer; precision-stepped attenuators. xLR and 1/4-in input connectors; active-balanced inputs; 5-way binding posts. Clipping LED indicators; magnetic circuit breaker/power switch; signal presence indicators. 100 W x 2 into 8 ohms or 200 x 1 into 16 ohms. FR 1-85,000 Hz  $\pm$  3 dB, 20-20,000 Hz  $\pm$  0.25 dB; IM 0.02%; damping factor 400. 19 x 13 1/4 x 11 in; 14 lb ..... \$999  
**Model 200/09.** As above, includes external plug-in transformers and wiring ..... \$1,169

**Model 7500T 200-W/ch Amplifier**

2 channels. Features speaker protection. Barrier-strip inputs/outputs; 1/4-in input connectors. Rear-panel mounted gain controls and bridging switch. 200 W x 2 into 8 ohms or 300 x 2 into 4 ohms. FR 3-85,000 Hz +0, -3 dB; IM 0.01%; damping factor 300. 19 x 5 1/4 x 13 in; 40 lb ..... \$849

**Model 6500T 100-W/ch Amplifier**

2 channels. Features speaker protection. Barrier-strip inputs/outputs; 1/4-in input connectors. Rear-

panel mounted gain controls and bridging switch. 100 W x 2 into 8 ohms, 150 W x 2 into 4 ohms, or 250 x 1 into 8 ohms. FR 3-100,000 +0, -3 dB; IM 0.05%; damping factor 200. 19 x 3 1/2 x 13 in; 30 lb ..... \$599

**Model 85 35-W/ch Amplifier**

2 channels. Features low-feedback discrete circuitry; modular construction with welded-steel chassis; toroidal power transformer. 1/4-in input connectors. Magnetic circuit breaker/power switch; headphone jack; stereo/mono switch. 35 W x 2 into 8 ohms, 45 x 2 into 4 ohms, or 90 x 1 into 8 ohms. FR 1-100,000 Hz  $\pm$  3 dB, 20-20,000 Hz  $\pm$  0.25 dB; IM 0.03%; damping factor 300. 19 x 1 3/4 x 11 1/2 in; 14 lb ..... \$529  
**Model 85/01.** As above, active-balanced inputs and xLR connectors ..... \$599  
**Model 85/06.** As Model 85, with internal input transformers and xLR connectors ..... \$699

**BOULDER**

*The following include a 5-yr warranty.*

**Boulder 500 150-W/ch Amplifier**

2 channels. Features recessed controls; 2-stage amplification; toroidal power transformer; shielded power cord; short-circuit, DC-offset, and thermal protection. LED indicators; output-level controls. 150 W x 2 into 8 ohms, 250 x 2 into 4 ohms, or 500 x 1 into 8 ohms. THD 0.005%; slew rate 35 V/ $\mu$ s stereo, 70 V/ $\mu$ s mono; imp 10,000 ohms; peak current 50 amperes. 17 x 5 1/4 x 15 1/2 in; 51 lb ..... \$4,999  
 International version for 100, 120, 220, or 240 V AC at 50 or 60 Hz ..... \$4,999  
**Boulder 500AE.** As above, with balanced outputs and no LED's ..... \$3,999  
 International version for 100, 120, 220, or 240 V AC at 50 or 60 Hz ..... \$4,099

**Boulder 250AE 75-W/ch Amplifier**

2 channels. Features 2-stage amplification and ground referencing at preamplifier; clip-detection circuitry. Balanced-input. 75 W x 2 into 8 ohms, 125 x 2 into 4 ohms, or 250 x 1 into 8 ohms. THD 0.005%; slew rate 25 V/ $\mu$ s stereo, 50 V/ $\mu$ s mono; imp 10,000 ohms; peak current 30 amperes. 17 x 5 1/4 x 15 1/4 in; 30 lb ..... \$2,699  
 International version for 100/120/220/240 V AC, 50/60 Hz ..... \$2,699

**Boulder 102AE 100-W/ch Amplifier**

2 channels. Features 2-stage design; discrete circuitry; toroidal power transformer; gold-plated connectors. Voltage and current clipping indicators. 100 W x 2 into 8 ohms. THD 0.005% ..... \$2,249

**BRUCE MOORE AUDIO DESIGN**

**M125 Custom 125 W Mono Amplifier**

1 channel. Class AB/quasi-Class A design; hand wired. Triode-switching. 225 W x 1 (partial-triode) or 125 x 1 (full-triode) from 10-100,000 Hz +0, -3 dB with 0.3% THD. Damping factor 16 ..... \$8,600/pr

**M225 225 W Mono Amplifier**

1 channel. Class AB/quasi-Class A design; hand wired. Triode-switching. 125 W x 1 (partial-triode) or 64 x 1 (full-triode) from 10-100,000 Hz +0, -3 dB with 0.25% THD. Damping factor 16 ..... \$6,600/pr

**Dual Sixty 60-W/ch Amplifier**

2 channels. Partial-triode Class AB design; non-phase inverting. 30 W x 2 from 10-100,000 Hz -3 dB with 0.25% THD. Damping factor 16; sens 0.9 V rms; ch sep 80 dB at 1,000 Hz ..... \$2,195

**BRYSTON**

*The following include a 20-yr parts-and-labor warranty. Models 7B, 3B, and 2B feature a ground-lift switch to separate system and audio grounds.*

**Model 4B NRB 250-W/ch Amplifier**

2 channels. Features dual power supplies with multi-plate filter capacitors; 2,496-sq-in heat sink; soft-start



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The Award Winning  
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# P O W E R A M P L I F I E R S

circuitry; Input buffer; 3-color LED indicators. Gold-plated input and output connectors;  $\times$ LR balanced inputs; RCA unbalanced inputs. Mono/stereo switch. 250 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Slew rate 60 V/ $\mu$ s; power bandwidth 1-100,000 Hz; IM 0.008%; damping factor 500 at 20 Hz, 8 ohms; input sens 1.25 V; Input imp 50 kilohms. 19 x 5 1/4 x 15 1/2 in; 42 lb ..... \$2,295  
**Model 4B NRB THX.** As above, with THX certification ..... \$2,245

## Model 7B NRB 500-W Mono Amplifier

1 channel. Features toroidal transformers; soft-start circuitry; gold-plated balanced- $\times$ LR and unbalanced-RCA inputs; 2,496-sq-in heat sink. Series/parallel switch. 500 W x 1 from 20-20,000 Hz with 0.01% THD. Slew rate 60 V/ $\mu$ s parallel, 120 V/ $\mu$ s bridged; power bandwidth 1-100,000 Hz; damping factor 300 at 20,000 Hz, 8 ohms; input sens 1 V; input imp 50 kilohms. 19 x 5 3/4 x 15 1/2 in; 42 lb ..... \$2,195

## Model 3B NRB 100-W/ch Amplifier

2 channels. Features dual power supplies; quad-complementary output section; 1,248-sq-in heat sink. Gold-plated RCA and  $\times$ LR input connectors. Mono/stereo switch; 3-color LED indicators. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Slew rate 60 V/ $\mu$ s; power bandwidth 0.5-100,000 Hz; damping factor 500 at 20 Hz, 8 ohms; input sens 1 V; input imp 50 kilohms. 19 x 5 1/4 x 9 in; 28 lb ..... \$1,395

## Model 2B-LP 50-W/ch Amplifier

2 channels. Features dual power supplies; 615-sq-in heat sink; 1% metal-film resistors; polystyrene capacitors; discrete circuitry. Gold-plated 5-way binding posts; gold-plated RCA connectors. Mono/stereo switch; 2-color LED indicators. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. IM 0.01% from 10 mW-50 W; slew rate 60 V/ $\mu$ s; power bandwidth 0.5-100,000 Hz; input sens 0.75 V; input imp 50 kilohms. 19 x 1 3/4 x 10 in; 48.3 lb ..... \$750

## CAMBRIDGE AUDIO

### A100 110-W/ch Power Amplifier

2 channels. Dual-mono configuration; two oversized toroidal transformers coupled with four large reservoir capacitors; high-pass filter input. Gold-plated input terminals; 5-way binding posts. 110 W x 2 into 8 ohms. FR 3-82,000 Hz  $\pm$  3 dB; THD + noise 0.01% at 50% rated power; S/N 100 dB. 17 x 3 3/8 x 12 1/2 in; 21.6 lb ..... \$700  
**A70.** As above. 60 W x 2. 13.8 lb ..... \$500

## CARVER

### Silver Six 300-W Mono Tube Amplifier

1 channel. Features fully balanced circuit topology; 12 KT88/6550A power-output tubes; Avonite antivibration base with aluminum machined transformer end bells; 1-ohm stability. Gold input/output connectors. Volume and bias-current controls. 300 W x 1 cont avg into 8 ohms. FR 20-20,000 Hz; THD 3%. 10 1/2 x 8 1/2 x 19 in ..... \$12,000

### Silver Seven MkII 375-W Mono Tube Amplifier

1 channel. Features fully balanced circuit topology; 14 KT-88 power-output tubes; A-450 output transformers with OFC primary leads and pure silver secondary leads; 1-ohm stability; van den Hul silver interconnects; pure-silver internal wiring; granite antivibration base with Silms aluminum machined transformer end bells. 375 W x 1 into 8 ohms from 20-20,000 Hz with 0.5% THD. Peak current 35 amperes; FR 1.5-100,000 Hz. 150 lb ..... \$10,000

### TFM-75 750-W/ch Amplifier

2 channels. Features dual-mono, solid-state design with 2 separate AC power cords; fully regulated power supply with semitoroidal transformer for each channel; amplifier and speaker overload protection circuitry; fan cooling. 2 analog power meters; clipping indicators; variable  $\times$ LR input sens control; power switch for each channel. 750 W x 2 into 8 ohms or 1,000 x 2 into 4 ohms from 20-20,000 Hz with 0.1%

THD; 1,300 x 2 into 2 ohms. S/N 100 dB; peak current 40 amperes. 19 x 5 1/4 x 13 in; 48 lb ..... \$2,000

### Silver 9-t MkII 550-W Mono Amplifier

1 channel. Features solid-state design with transfer function modified for vacuum-tube sound characteristics; shock-isolation mounting; fully regulated high-current high-voltage power supply; speaker and amplifier overload protection circuitry. Lighted analog power meter. Black finish. 550 W x 1 into 8 ohms or 900 x 1 into 4 ohms from 20-20,000 Hz with 0.5% THD; 1,000 x 1 into 2 ohms. FR 20-20,000 Hz; S/N 100 dB. 11 1/2 x 6 1/4 x 15 1/2 in; 23 lb ..... \$1,200

### TFM-55 380-W/ch Amplifier

2 channels. Features solid-state design with transfer function modified for vacuum-tube sound characteristics; fully regulated high-current high-voltage power supply; amplifier and speaker overload protection. Two analog power meters with switchable range; variable  $\times$ LR input sens controls. 380 W x 2 into 8 ohms or 600 x 2 into 4 ohms from 20-20,000 Hz with 0.5% THD; 1,200 x 1. S/N 101 dB. 19 x 4 1/2 x 14 in ..... \$1,000  
**TFM-35.** As above, 250 W x 2 into 8 ohms or 350 x 2 into 4 ohms; 700 x 1. S/N 98 dB. 19 x 4 1/2 x 14 1/2 in ..... \$700

### AV-634 240-W Amplifier

4 channels. Designed for multiroom, surround, or subwoofer/satellite applications. Features 18-dB/oct active crossover at 80, 100, or 150 Hz; input sens controls for all channels. 60 W x 4 or 60 x 2 + 150 x 1 into 8 ohms or 100 x 4 into 4 ohms from 20-20,000 Hz with 0.15% THD. 19 x 3 7/8 x 11 7/8 in ..... \$600

### TFM-15cb 100-W/ch Amplifier

2 channels. Features daisy-chain capability; amplifier and speaker overload protection circuitry. A/B speaker switching;  $\times$ LR input sens controls; 2 analog power meters with switchable range. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD; 300 x 1. S/N 100 dB. 19 x 4 x 13 7/8 in ..... \$430

### TFM-6cb 65-W/ch Amplifier

2 channels. Features daisy-chain capability.  $\times$ LR input sens controls; A/B speaker switching; power/peak LED indicators. 65 W x 2 into 8 ohms or 100 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD; 180 x 1. S/N 110 dB. 19 x 1 3/4 x 13 in ..... \$300

## CARY

### CAD-805 50-W Mono Tube Amplifier

1 channel. Features single-ended, Class-A triode operation; MIT coupling caps; 300%-duty-cycle power transformer. Adjustable feedback; standby switch. 5-yr limited warranty. 50 W x 1. 10 x 12 1/4 x 24 in; 60 lb ..... \$6,995

### CAD-300SE 9-W Mono Tube Amplifier

1 channel. Features single-ended Class-A triode operation; 1% metal-film resistors; 200%-duty-cycle transformers; polystyrene and polypropylene capacitors. Standby switch. 9 W x 1. FR 20-30,000 Hz +0, -0.75 dB; damping factor 40; S/N 90 dB ..... \$3,295

### SLM-100 100-W Mono Tube Amplifier

1 channel. Features push-pull linear Class-A operation; KT-99A output tubes; MIT coupling caps; 1% metal-film resistors; 150%-duty-cycle power transformers; polystyrene and polypropylene capacitors; 6 tubes. 100 W x 1. FR 18-23,000 Hz +0, -0.75 dB; damping factor 35; S/N 85 ohms ..... \$2,995  
 Chromium chassis ..... \$500

### CAD-300B 25-W/ch Tube Amplifier

2 channels. Push-pull amplification; Class-A operation; 1% metal-film resistors; 100%-duty-cycle transformers; polystyrene and polypropylene capacitors; 8 tubes; nickel chrome-plated chassis. Standby switch. 25 W x 2. FR 18-26,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 30. 16 3/4 x 7 x 14 in; 42 lb ..... \$2,695  
**CAD-300M.** 40-W mono block version of above. 13 x 6 x 12 in ..... \$4,995

### CAD-99SE 20-W Mono Tube Amplifier

1 channel. Single-ended Class-A triode operation; KT-99A output tubes; MIT coupling caps. Standby switch. 20 W x 1. 5 1/2 x 7 x 19 in; 30 lb ..... \$2,495

### CAD-1250 75-W Mono Tube Amplifier

1 channel. 6 bipolar push-pull transistors; push-pull Class-A operation; 1% metal-film resistors; 150%-duty-cycle transformers; one 12AX7 tube; polystyrene and polypropylene capacitors; temperature control cooling system. Peak power meter. 75 W x 1. FR 15-80,000 Hz +0, -0.75 dB; damping factor 90; S/N 85 dB. 12 1/2 x 4 1/2 x 16 1/2 in; 45 lb ..... \$2,295

### CAD-40M 40-W Mono Tube Amplifier

1 channel. Push-pull linear Class-A operation; EL-34 output tubes; MIT coupling caps; 1% metal-film resistors; 200%-duty-cycle transformers; polystyrene and polypropylene capacitors. 40 W x 1. FR 10-30,000 Hz +0, -0.75 dB; S/N 80 dB. 19 x 5 1/2 x 7 in; 25 lb ..... \$1,995

### CAD-2A3 15-W/ch Tube Amplifier

2 channels. Class-A triode operation; 2A3 triode output tubes; MIT coupling caps; 1% metal-film resistors; polystyrene and polypropylene capacitors; 100%-duty-cycle transformers. 15 W x 2. FR 10-30,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 30. 13 x 7 x 12 in; 38 lb ..... \$1,895

### Sweet 807 32-W/ch Tube Amplifier

2 channels. Push-pull linear Class-A operation; 8 tubes; MIT caps; 1% metal-film resistors; 100%-duty-cycle transformers; polystyrene and polypropylene capacitors. 32 W x 2. FR 10-30,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 30. 13 x 7 x 12 in; 38 lb ..... \$1,895

### SLA-70 SIG 35-W/ch Tube Amplifier

2 channels. Class-A push-pull linear operation; EL-34 output tubes; copper binding posts; MIT caps; metal-film resistors; polystyrene and polypropylene capacitors; 150%-duty-cycle transformers. Standby switch. 35 W x 2. Frequency response 20-30,000 Hz +0, -0.75 dB; signal-to-noise ratio 85 dB; damping factor 35. 13 x 7 x 12 in; 35 lb ..... \$1,495

### CAD 2500 75-W/ch Tube Amplifier

2 channels. Two 12AX7 pre-driver vacuum tubes; 12 bipolar output transistors; metal-film resistors; 150%-duty-cycle transformers. Volume controls; output meters. 75 W x 2. FR 15-80,000 Hz +0, -0.75 dB; S/N 85 dB; damping factor 70. 19 x 4 1/2 x 11 1/2 in; 40 lb ..... \$1,495  
**CAD-2500A.** As above, without volume controls or output meters ..... \$1,295

### SLA-70 35-W/ch Tube Amplifier

2 channels. Push-pull linear Class-A operation; EL-34 output tubes; metal-film resistors; polystyrene and polypropylene capacitors; 100%-duty-cycle transformers. 35 W x 2. FR 20-30,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 35. 13 x 6 x 12 in; 28 lb ..... \$1,095

## Accessories

**SE-Power Bank.** For CAD-300SE or CAD-40M ..... \$1,295  
**Chromium Chassis.** For SLA-70 or CAD-2A3 ..... \$200  
**Metal Cage Cover.** ..... \$160  
**Cary Cradle.** Available in oak or black. For SLA, SLM, CAD-300B ..... \$150

## CELLO

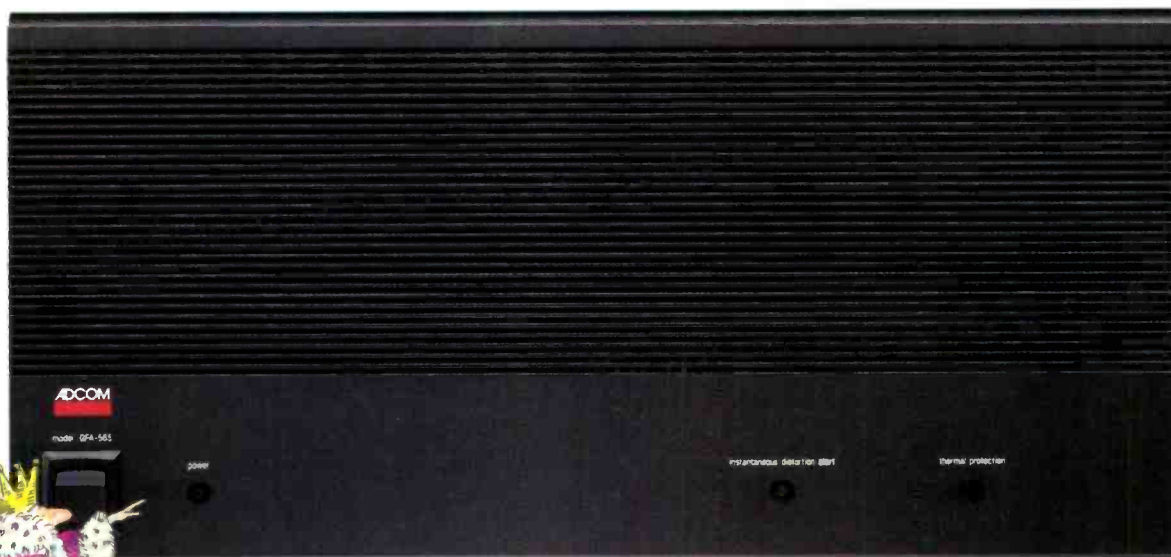
### Performance II 200-W Mono Amplifier

1 channel. Features 8 transistors; 40 output devices; dual-choke power supplies; 2 electrically conductive heat-sink tunnels cooled by 2 fans per chassis. 200 W x 1 ..... \$22,000/pr  
**Bridging Kit.** For above ..... \$385

### Duet 350-W/ch Amplifier

2 channels. 350 W x 2 cont avg into 8 ohms. 23 3/4 x 12 x 17 1/4 in; 95 lb ..... \$7,500

# Real power has always been in the hands of the few.



Adcom stereo components have a loyal and devoted following, having earned a reputation among audiophiles, engineers and musicians for extraordinary performance at affordable prices. Now Adcom introduces its newest amplifier, the no compromise GFA-565, for those in pursuit of absolute power and sonic perfection, but who prefer not paying a king's ransom.

## The Evolution of Adcom's GFA-565

Adcom's new mono GFA-565 evolves from the design of the critically acclaimed GFA-555, greatly extending its capabilities. Representing brute strength, it delivers 300 watts at 8 ohms, 450 watts at 4 ohms and an awesome 850 watts at 2 ohms\*. Most significantly, it will accurately drive even esoteric loudspeakers which present loads as low as 1 ohm.

Inspired by the GFA-555, the new GFA-565's well-regulated, high-current power supply has an enormous reserve capacity to meet tremendous dynamic demands, resulting in distortion-free reproduction on a continuous basis.

## Why Use Two Mono Amplifiers?

The ability to deliver very high power into complex loads is a prerequisite for superior sound reproduction. Power supplies capable of delivering the energy necessary for high power, high-current amplifiers are massive. But there are practical limits to the size and weight of stereo amplifiers designed for home use, as well as heat dissipation and reliability constraints. Consequently, the use of two Adcom GFA-565 mono amplifiers offers optimum sound definition, detail and dynamics, satisfying even the most demanding perfectionist.

## More Sound, Less Money

Like the GFA-555, the new Adcom GFA-565 sounds superior to amplifiers costing two and three times as much. It is so powerful and pure that it may be the last amplifier you ever buy, even if you upgrade your loudspeakers several times over the years. And that makes the GFA-565 an extraordinary bargain considering its exceptional performance.

**ADCOM**<sup>®</sup>  
details you can hear

*\*Continuous power output, 20 Hz-20 kHz < 0.02% THD, measured in accordance with FTC specifications.*

**Encore 60-W Mono Amplifier**

1 channel. Features dual-choke power supply; nickel-plated copper heat sinks; 40 output devices ..... \$6,000/pr  
**Bridging Kit.** For above ..... \$325

**CLASSÉ AUDIO**

*The following are available in satin black or soft shadow silver.*

**Classé One-Thousand 1,000-W Mono Amplifier**

1 channel. Features polystyrene and polypropylene capacitors; toroidal transformer. Balanced and single-ended inputs. 1,000 W x 1 into 8 ohms or 2,000 x 1 into 4 ohms. FR 20-20,000 Hz  $\pm 1$  dB; input imp 70 kilohms; SN 100 dB; THD 0.1%; IM 0.1%. 19 x 21 x 8 in. .... \$4,350

**Classé Seven-Hundred.** As above, 700 W x 1 into 8 ohms or 1,400 x 1 into 4 ohms. 19 x 17 1/2 x 7 1/4 in. .... \$3,350

**Classé Twenty-Five 250-W/ch Amplifier**

2 channels. Features polystyrene and polypropylene capacitors; toroidal transformer. Balanced and single-ended inputs. 250 W x 2 or 1,000 x 1 into 8 ohms. FR 20-20,000 Hz  $\pm 1$  dB; input imp 70 kilohms; SN 100 dB; THD 0.1%. 19 x 20 3/4 x 8 in. .... \$3,995

**Classé Fifteen.** As above, 175 W x 2 or 700 x 1 into 8 ohms. 19 x 17 1/4 x 7 1/4 in. .... \$2,995

**Classé Ten.** As above, 125 W x 2 or 400 x 1 into 8 ohms. 19 x 16 x 6 1/2 in. .... \$1,995

**Classé Seventy.** As above, 75 W x 2 into 8 ohms or 150 x 2 into 4 ohms. 19 x 11 3/4 x 4 7/8 in. .... \$1,095

**DON J. COCHRAN**

**Delta Mode II 200-W Mono Tube Amplifier**

1 channel. Features MOSFET vacuum tube design; 2-sided glass-epoxy circuit boards; direct-coupled design; buffered inputs; balanced output; dual transformers; magnetic circuit breaker; thermal protection. RCA phono, XLR, and screw-terminal connectors; LED indicator. 200 W x 1 cont avg into 8 ohms. Output imp 0.1 ohm; slew rate 65 V/ $\mu$ s; 0.07% THD at 200 W; SN 100 dB; input imp 50 kilohms. 17 x 5 1/4 x 8 1/2 in; 29 lb. .... \$6,800/pr

**CONRAD-JOHNSON**

**Premier Eight 275-W Mono Tube Amplifier**

1 channel. Features polypropylene capacitors in power supply; proprietary transpectral output transformers with signal pass-band beyond 500 kilohms. LED bias indicators. 275 W x 1. 19 x 9 1/2 x 20 in; 85 lb. .... \$6,495

**Evolution 2000 200-W/ch Tube Amplifier**

2 channels. Hybrid design with tube driver stage and MOSFET output; zero feedback. 200 W x 2. 125 lb. .... \$4,995

**MV125 125-W/ch Amplifier**

2 channels. Features low-imp power supplies and polystyrene capacitors. LED bias indicators. 125 W x 2 cont avg into 8 ohms. SN 94 dB. 19 x 9 x 20 1/2 in; 90 lb. .... \$2,995

**MV70.** As above, 70 W x 2 into 4, 8, or 16 ohms. .... \$2,895

**MV52.** As above, 45 W x 2. 40 lb. .... \$1,895

**MF200 200-W/ch Amplifier**

2 channels. MOSFET output stage; JFET input stage; low-feedback design; polypropylene and polystyrene capacitors. 200 W x 2 cont avg. FR 20-20,000 Hz; THD 1% into 8 ohms; SN 98 dB. 19 x 8 3/4 x 12 3/8 in; 59 lb. .... \$1,995

**MF80.** As above, 80 W x 2 ..... \$1,395

**COUNTERPOINT**

**Natural Progression 150-W Mono Tube Amplifier**

1 channel. Features tube input and IGBT outputs; 1,000-V transformer; protection circuitry outside signal path; copper-plated chassis. 150 W x 1 into 8

ohms. FR 1-200,000 Hz; THD 0.02%; SN 90 dB; output imp 0.09 ohms. 19 x 6 3/4 x 19 in; 85 lb. .... \$7,595/pr

**SA-4 160-W Mono Tube Amplifier**

1 channel. DC coupled OTL monoblock; capacitorless, transformerless output; servo feedback loop to reduce DC and low-frequency offsets; eight 6LF6 tubes employed in Tolem Pole configuration. Adjustable bias. 160 W x 1 into 8 ohms. FR 0.8-100,000 Hz; THD 0.06%; SN 92 dB; output imp 30 ohms. 19 x 6 3/4 x 19 in; 59 lb. .... \$6,595/pr

**SA-220 220-W/ch Tube Amplifier**

2 channels. Hybrid design with tube input and MOSFET output; protection circuitry outside signal path; 1,000-V transformer; copper-plated chassis; 1-ohm stability. 220 W x 2 into 8 ohms or 700 x 1. FR 1.2-200,000 Hz; THD 0.02%; SN 84 dB; output imp 12 ohms. 19 x 6 3/4 x 19 in; 69 lb. .... \$2,995

**SA-100 100-W/ch Tube Amplifier**

2 channels. Hybrid design with tube input, MOSFET output; copper-plated chassis; 1,000-V transformer; 2-ohm stability. 100 W x 2 into 8 ohms. FR 5-100,000 Hz; THD 1.0%; SN 92 dB; dynamic headroom 3 dB. 19 x 4 1/2 x 12 3/4 in; 28 lb. .... \$1,395

**Solid-1 100-W/ch Amplifier**

2 channels. Features FET signal path; 2-ohm stability. 100 W x 2 into 8 ohms. Dynamic headroom 3 dB. 19 x 4 1/2 x 12 3/4 in; 18 lb. .... \$995

**CREST**

**MAS200 200-W/ch Amplifier**

2 channels. Features subsonic, ultrasonic, and short-circuit output protection. Clipping and signal LED's. 200 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.025% at 200 W, 1,000 Hz; slew rate 35 V/ $\mu$ s; damping factor 400; input imp 20 kilohms. Available with 70-V AC or DC module. 19 x 1 3/4 x 17 1/2 in. .... \$800  
 With 100-V DC module ..... \$910

**Professional Series**

**Model 8001 850-W/ch Amplifier**

2 channels. Features subsonic, ultrasonic, short-circuit output protection; 7.6-kVA power transformer. Male and female XLR connectors; 5-way binding posts. 2 attenuators; clipping and signal LED's. 850 W x 2 into 8 ohms or 1,400 x 2 into 4 ohms. FR 20-20,000 Hz  $\pm 3$  dB; THD 0.015% at 120 W into 4 ohms, 1,000 Hz; damping factor 400; slew rate 35 V/ $\mu$ s; input imp 20 kilohms. 19 x 5 1/4 x 15; 80 lb. .... \$3,389

**Model 7001.** As above, with 1.9-kVA power transformer. Female XLR connectors. 640 W x 2 into 8 ohms or 1,050 x 2 into 4 ohms. Total harmonic distortion 0.02% at 800 watts into 4 ohms, 1,000 Hz. 19 x 3 1/2 x 15 in; 51.5 lb. .... \$2,589

**Model 6001.** As above, 525 W x 2 into 8 ohms or 850 x 2 into 4 ohms. THD 0.025% at 600 W into 4 ohms, 1,000 Hz. .... \$2,589

**Model 4801.** As above, 455 W x 2 into 8 ohms or 760 x 2 into 4 ohms. THD 0.025% at 480 W into 4 ohms, 1,000 Hz. 48 lb. .... \$1,749

**FA Series**

**FA2401 350-W/ch Amplifier**

2 channels. Features thermal, DC, and short-circuit protection; two 1.7-kVA power transformers. Female XLR connectors; 5-way binding posts. 2 attenuators; clipping and signal LED's. 350 W x 2 into 8 ohms or 600 x 2 into 4 ohms. FR 20-20,000 Hz  $\pm 3$  dB; THD 0.025% at 580 W into 4 ohms, 1,000 Hz; damping factor 500; slew rate 35 V/ $\mu$ s; input imp 20 kilohms. 19 x 3 1/2 x 15 in; 51 lb. .... \$1,679

**FA1201.** As above, with one 1.7-kVA power transformer. 300 W x 2 into 8 ohms or 475 x 2 into 4 ohms. THD 0.025% at 450 W into 4 ohms, 1,000 Hz. 36 lb. .... \$1,386

**FA901.** As above, with 1.3 kVA power transformer. 280 W x 2 into 8 ohms or 350 x 2 into 4 ohms. THD 0.025% at 300 W into 4 ohms, 1,000 Hz; slew rate 14 V/ $\mu$ s. 19 x 3 1/2 x 13 1/2 in; 33 lb. .... \$936

**CC/CV Series**

**CV601 700-W/ch Amplifier**

2 channels. Features impedance-sensing and clip-limiter circuitry; 2-step AC surge protection; short-circuit protection. 2 attenuators; rear-panel mode switch; clipping and signal LED's. 700 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.05% at 600 W, 1,000 Hz; slew rate 35 V/ $\mu$ s; damping factor 400; input imp 20 kilohms. 19 x 5 1/4 x 14 in; 50.5 lb. .... \$1,989

**CC301.** As above, 385 W x 2 into 8 ohms. THD 0.025% at 500 W, 1,000 Hz ..... \$1,989

**CV301.** As above, 300 W x 2 into 8 ohms. FR 40-20,000 Hz; THD 0.05% at 300 W, 1,000 Hz. .... \$1,309

**CC151.** As CC301, 250 W x 2 into 8 ohms; THD 0.025% at 300 W, 1,000 Hz ..... \$1,189

**LA Series**

**LA1201 300-W/ch Amplifier**

2 channels. Features short-circuit protection; subsonic filter. 2 attenuators; mode switch; clipping LED. 300 W x 2 into 8 ohms or 475 x 2 into 4 ohms. FR 20-20,000 Hz; THD 0.025% at 450 W, 1,000 Hz; slew rate 14 V/ $\mu$ s; damping factor 500; input imp 20 kilohms. 19 x 3 1/2 x 14 in; 37.5 lb. .... \$1,134

**LA901.** As above, 280 W x 2. THD 0.025% at 300 W, 1,000 Hz. 34.5 lb. .... \$782

**LA601.** As above, 150 W x 2. THD 0.025% at 200 W, 1,000 Hz; damping factor 250. 19 x 3 1/2 x 11 1/2 in; 28 lb. .... \$630

**CROWN INTERNATIONAL**

**Macro Reference 760-W/ch Amplifier**

2 channels. Features grounded bridge circuitry; full output-protection circuitry; regulated cooling system. Selectable range/output-level meter; 2 input sensitivities; bridged-mono and parallel-mono modes; distortion, protection, and signal presence indicators; level control. 760 W x 2 into 8 ohms, 1,160 x 2 into 4 ohms, or 1,500 x 2 into 2 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; SN 115 dB; damping factor 20,000. 19 x 7 x 16 in; 56.5 lb. .... \$3,995

**PS Series**

*Features Class AB/B design, low-frequency protection, ground-isolation jumper, bridged-mono mode, level controls, distortion, and signal-presence indicators on front panel.*

**PS-400 190-W/ch Amplifier**

2 channels. 190 W x 2 into 8 ohms. 330 x 2 into 4 ohms, or 660 x 1 into 8 ohms. Frequency response 0-20,000 Hz  $\pm 0.1$  dB; THD 0.05%; intermodulation distortion 0.05%; slew rate 16 V/ $\mu$ s; damping factor 400; SN 112 dB. 19 x 7 x 10 1/8 in; 55 lb. .... \$1,195

**PS-200.** As above, 100 W x 2 into 8 ohms, 170 x 2 into 4 ohms, or 345 x 1 into 8 ohms. 19 x 5 1/4 x 10 1/8 in; 25 lb. .... \$995

**DB SYSTEMS**

**DB-6A 40-W/ch Amplifier**

2 channels. Features 1-ohm load stability; 12-dB/oct infrasonic filter; clipping LED's; electronic clamp. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.003% THD. FR 20-40,000 Hz  $\pm 0, -1$  dB; input sens 1 V; input imp 50 kilohms; SN 112 dB at 1 V; slew rate 15 V/ $\mu$ s; damping factor 400 from 20-1,000 Hz. 16 x 4 7/8 x 12 3/4 in. .... \$795

**DB-6A-M.** As DB-6A, 140 W x 1 cont avg with 0.008% THD; slew rate 30 V/ $\mu$ s. .... \$795

19-in rack adaptor ..... \$55

Mono conversion of DB-6A to DB-6A-M ..... \$39

**DB-6A-M(2).** As DB-6A-M, 2 mono amps ..... \$1,545

**Upgrades and Modifications**

**Power Supply Upgrade.** To increase capacitance to 126,000  $\mu$ F ..... \$200

**Power-Supply Upgrade.** To increase capacitance to 42,000  $\mu$ F. Gold-plated binding posts and jacks; 2-year warranty extension ..... \$160

**Stereo-to-Mono Conversion.** Conversion from 40-W x 2 stereo amp to 140-W mono amp ..... \$39

# So Who Are We To Argue? Introducing The NEW Hafler Trans•nova

*There is something "very right" about tube sound.* Audiophiles know it, musicians know it, so who are we to argue? We don't. Jim Strickland, Hafler's chief engineer has created "tubeey" sounding solid state circuitry for Hafler's new Models 9300 and 9500 power amplifiers. A unique drive stage allows the lateral MOSFET output devices to be connected just like tubes! In fact, this new **trans•nova** circuitry is so unique, it's patented.

As with the rest of the new Series 9000 line, the **trans•nova** amplifiers share the same elegant sonic quality, simplicity in design, modesty in price, reliability, and an unprecedented 7-year warranty!\* We know you'll hear the distinction immediately. *Audition the new Models 9300 and 9500 trans•nova amplifiers at your local Hafler dealer and hear incredible tube sound... without the tubes.*

Model 9500



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**"THE AFFORDABLE HIGH END"**

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\*7-Year warranty valid only in the USA

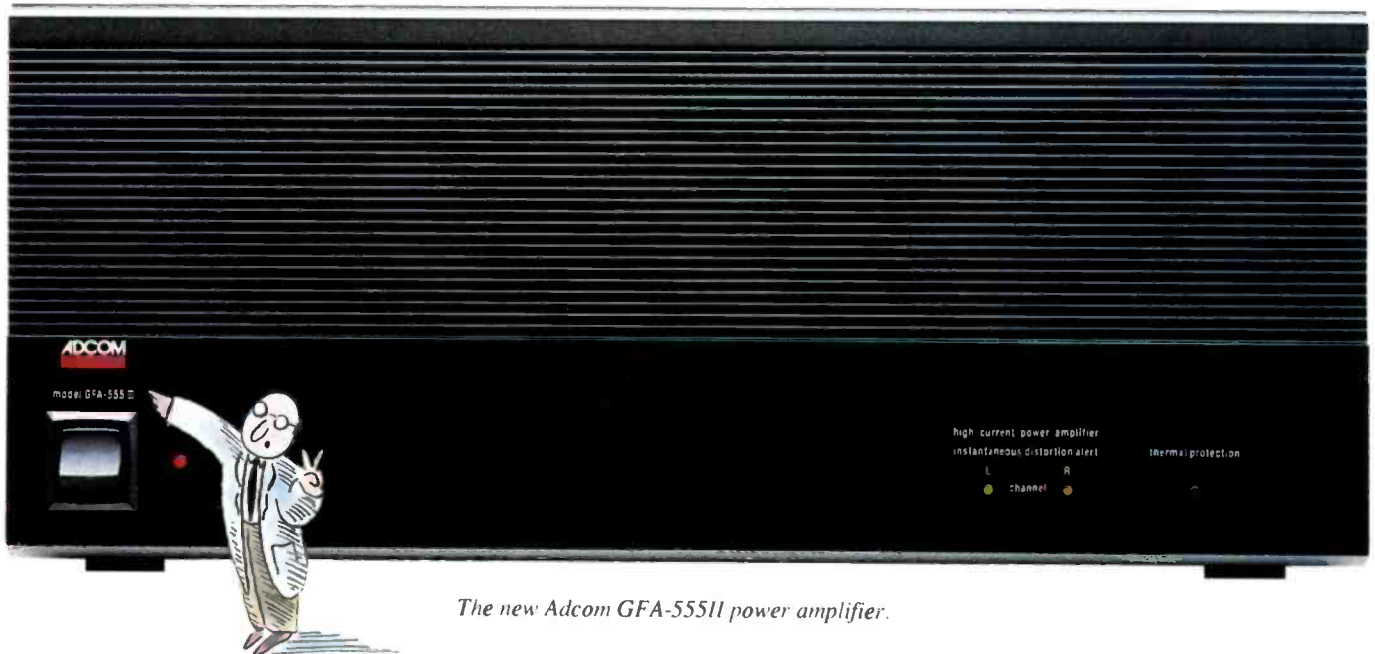


# The Breakthrough.



*The original Adcom GFA-555 power amplifier.*

# The New Breakthrough.



*The new Adcom GFA-555II power amplifier.*

Upon its introduction, the Adcom GFA-555 power amplifier was considered a breakthrough in audio technology. Rated superior to amplifiers costing two and three times as much, some critics had difficulty in naming a better component at any price.

Now, after years of using the GFA-555 as their model of superior performance and value, Adcom engineers announce another breakthrough. The new, upgraded GFA-555II, rated at 200 watts per channel\*, offers greater stability, superior heat dissipation and less distortion. It is everything which made the GFA-555 "...one of the best selling amplifiers of all time,"\*\* and more.

With the GFA-555II, Adcom begins a new generation of amplifiers, designed to set a new standard for performance at a reasonable price... giving more

and more music lovers the opportunity of experiencing the thrill of sonic perfection without the shock of exorbitant costs.

Visit your Adcom dealer and listen to the new GFA-555II. Then ask its price. You'll hear how good this new breakthrough sounds.

*\*Power output watts/channel, continuous both channels driven into 8 ohms, 20 Hz - 20 kHz at less than 0.04% THD.*

*\*\*Stereophile, October 1990.*

# ADCOM®

details you can hear

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**DENON**

**POA-3000RG 250-W/ch Amplifier**  
2 channels. Features bridgeable dual-mono design; optically-coupled Class-A MOSFET circuitry; toroidal transformer. Balanced-XLR and unbalanced-RCA inputs. Input-level controls; speaker selector; power meters; self-diagnostic circuit with LEDs. 250 W x 2 or 500 x 1 into 8 ohms from 20-20,000 Hz with 0.05% THD. FR 1-100,000 Hz at 1 W; THD 0.005% at -3 dB; S/N 121 dBA ..... \$4,000

**POA-5000 400-W Amplifier**  
6 channels. Designed for use with the AVP-5000 AV preamplifier. Features optically-coupled Class-A circuitry; toroidal power transformer; separate power supply for each channel pair; bridgeable to 5, 4, or 3 channels. Remote power-switching from Denon preamps. 100 W x 2 + 50 x 2 + 50 x 2, all into 8 ohms from 20-20,000 Hz. Frequency response 1-150,000 Hz at 1 W; total harmonic distortion 0.02%; signal-to-noise ratio 118 dBA ..... \$1,500

**POA-2800 200-W/ch Amplifier**  
2 channels. Features optically-coupled Class A MOSFET circuitry; dual power supplies with toroidal transformers. Phono inputs. Remote power-switching from Denon preamps; A/B speaker switching. 200 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. FR 1-150,000 Hz at 1 W; THD 0.002% at -3 dB; S/N 123 dBA ..... \$800

**POA-800 50-W/ch Amplifier**  
2 channels. Features discrete circuitry; 3-way speaker outputs. Peak-level indicator; remote power-switching from Denon preamps. 50 W x 2 or 120 x 1 into 8 ohms. THD 0.05% ..... \$320

**DYNACO**

**Stereo 70 Series II 35-W/ch Tube Amplifier**  
2 channels. Features EL34/6CA7 output tubes; 1% metal-film resistors; poly-composition capacitors; miniaturized high-capacity power-supply; double-sided fiberglass PC board; 6GH8A driver tubes. Gold-plated RCA inputs and 5-way binding posts. Front-panel user-adjustable LED biasing system; flat open-loop gain; 3-wire grounded power cord. 35 W x 2 cont avg into 4, 8, or 16 ohms. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.25%; IM 1%; damping factor 15. Black finish. 3-yr parts-and-labor warranty. 13 x 7 x 9 1/2 in; 35 lb ..... \$995  
As above, chrome chassis ..... \$1,095

**ELECTRONIC VISIONARY SYSTEMS**

**Model 2203 450-W Mono Amplifier**  
2 channels. Features balanced inputs. 450 W x 1 cont avg. 65 lb ..... \$4,200/pr

**Model 2202 225-W/ch Amplifier**  
2 channels. Features single-chassis dual-mono design; 31 position-stepped attenuators. 225 W x 2 cont avg. Slew rate 100 V/ $\mu$ s; input imp 100 kilohms. 65 lb ..... \$2,250

**ESSENCE**

**Reference II 200-W/ch Mono Amplifier**  
1 channel. Features bipolar Class AB design; toroidal transformer; OFHC leads; curve traced transistors; large power supply; aerospace-grade components. 200 W x 1 into 8 ohms or 300 x 2 into 4 ohms. FR 20-20,000 Hz  $\pm$  3 dB; bandwidth 5-100,000 Hz; THD 0.01%; input imp 20 kilohms. 5-yr warranty. 19 x 14 x 8 in ..... \$13,850/pr  
**Reference II Stereo.** As above, 2 channels. 200 W x 2 ..... \$12,500  
**Reference Stereo.** As Reference II, without matched components ..... \$9,850  
**Standard Mono.** As above, 1 channel. Features mil-spec devices; smaller power supply. 200 W x 1 ..... \$6,950  
**Standard Stereo.** As Standard Mono, 2 channels. 200 W x 2 ..... \$4,850

**FORTE**

**F6 200-W/ch Amplifier**  
2 channels. Features bipolar output transistors; FET/bipolar front-end; Class A/AB gain stages; glass-epoxy circuit boards; toroidal power transformer. Gold-plated inputs and outputs. 200 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD. Bandwidth -3 dB at 3 and 100,000 Hz; slew rate 50 V/ $\mu$ s; input imp 47 kilohms; output imp 0.02 ohm; current capability 16 amperes cont, 50 amperes max into 0.1 ohm. 17 x 6 3/4 x 9 1/4 in; 33 lb ..... \$1,590

**F5.** As above, high-bias Class A AB output stage. 100 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD; output imp 0.04 ohm; current capability 10 amperes cont, 30 amperes max into 0.1 ohm. 17 x 5 x 9 1/4 in; 26 lb ..... \$990

**F4.** As above, Class A output stage. 50 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD. 17 x 6 3/4 x 9 1/4 in; 33 lb ..... \$1,490

**FT-1 485-W Amplifier**  
5 channels. Features bipolar output transistors; FET input stage. 125 W x 3 + 55 x 2, all into 8 ohms from 20-20,000 Hz with 0.15% THD. FR 3-50,000 Hz  $\pm$  1 dB ..... \$1,490

**FOSGATE-AUDIONICS**

**Model 4100 240-W Amplifier**  
4 channels. Designed for surround applications. Bridgeable to 3 channels. 60 W x 4 into 8 ohms or 100 x 4 into 4 ohms from 20-20,000 Hz with 0.05% THD; 225 x 2 into 8 ohms or 300 x 2 into 4 ohms with 0.1% THD ..... \$949

**M-60 MkII 35-W Mono Amplifier**  
1 channel. Designed for center-channel amplification in surround systems. Features fully complementary discrete circuit design. Input-level control. 35 W x 1 into 8 ohms or 60 x 1 into 4 ohms with 0.2% THD. FR 20-20,000 Hz  $\pm$  1 dB. 8 1/2 x 2 3/4 x 7 1/2 in; 6 lb ..... \$219

**GOLDMUND**

*The following amplifiers feature a 3-yr parts-and-labor warranty.*

**Mimesis 9.2 275-W Mono Amplifier**  
1 channel. Employs mechanical grounding platform to reduce vibration. Features separate ground for each channel; floating chassis; switch for coupling ground signal, DC, overload, and thermal protection; AC line fuse. 275 W x 1. FR 0-150,000 Hz  $\pm$  0.1 dB; S/N 115 dB; slew rate 100 V/ $\mu$ s. 19 x 10 x 19 in; 143.3 lb ..... \$23,800  
**Mimesis 9.** As above, 225-W x 2 ..... \$11,900

**Mimesis 8.2 175-W Mono Amplifier**  
1 channel. Features mechanical grounding platform to reduce vibration; 2 toroidal transformers with 4 separate power supplies; oscillation and DC offset protection; asymmetrical and symmetrical inputs; 2 power keys for protection against accidental power off. 175 W x 1 rms into 8, 4, or 2 ohms. FR 0-150,000 Hz  $\pm$  1 dB; S/N 105 dB from 0.01-1,000,000 Hz; slew rate 100 V/ $\mu$ s; THD 0.01% from 0-35 V into 8 ohms; input imp 100,000 ohms. 3-yr parts-and-labor warranty. 19 x 6 x 19 in; 88.4 lb ..... \$9,990  
**Mimesis 8.5.** Stereo version of above with 1 power key. 200 W x 2 rms into 8 ohms. 111 lb ..... \$5,400

**Mimesis 6.8 80-W/ch Amplifier**  
2 channels. Employs mechanical grounding platform to reduce vibration. Feature proprietary self-compensating symmetrical circuitry; protection circuits. 80 W x 2. S/N 80 dB; slew rate 100 V/ $\mu$ s. 19 x 3 x 13 3/4 in; 27.6 lb ..... \$3,800

**HAFLER**

**Transnova 9500S 250-W/ch Amplifier**  
2 channels. Features 16 MOSFET output devices; four 20,000- $\mu$ F 100-V storage capacitors. 250 W x 2 or 750 x 1 into 8 ohms. 375 x 2 into 4 ohms. THD 0.1%;

S/N 100 dB; slew rate 150 V/ $\mu$ s; damping factor 1,000 at 1,000 Hz. Rack mountable; silver. 19 x 5 1/4 x 12 1/2 in; 50 lb ..... \$1,900  
**Transnova 9500.** As above, in black; not rack mountable. 17 x 5 1/4 x 12 1/2 in ..... \$1,800

**Transnova 9300S 150-W/ch Amplifier**  
2 channels. Features 12 MOSFET output devices; four 15,000- $\mu$ F 75-V storage capacitors. 150 W x 2 or 450 x 1 into 8 ohms, 225 x 2 into 4 ohms. THD 0.07%; S/N 100 dB; slew rate 150 V/ $\mu$ s; damping factor 800 at 1,000 Hz. Rack mountable; silver. 19 x 3 1/2 x 12 1/2 in; 36 lb ..... \$1,300  
**Transnova 9300.** As above, in black; not rack mountable. 17 x 3 1/2 x 12 1/2 in ..... \$1,200

**Model 9270S 135-W/ch Amplifier**  
2 channels. Features 12 MOSFET output devices; JFET double differential front end; double-sided glass circuit boards; twin-core transformers. Level controls. 135 W x 2 or 400 x 1 into 8 ohms. 200 x 2 into 4 ohms. THD 0.05%; S/N 100 dB; slew rate 50 V/ $\mu$ s; damping factor 300 at 1,000 Hz. Rack mountable; silver. 19 x 3 1/2 x 12 1/2 in; 35 lb ..... \$850  
**Model 9270.** As above, in black; not rack mountable. 17 x 3 1/2 x 12 1/2 in ..... \$800

**Model 9180S 105-W/ch Amplifier**  
2 channels. Features 8 MOSFET output devices; JFET double differential front end. 105 W x 2 or 300 x 1 into 8 ohms, 150 x 2 into 4 ohms. THD 0.05%; S/N 100 dB; slew rate 50 V/ $\mu$ s; damping factor 300 into 8 ohms at 1,000 Hz. Rack mountable; silver. 19 x 3 1/2 x 12 1/2 in; 33 lb ..... \$700  
**Model 9180.** As above, in black; not rack mountable. 17 x 3 1/2 x 12 1/2 in ..... \$650

**SE240 120-W/ch Amplifier**  
2 channels. Features 4 MOSFET output devices per channel; JFET double-differential push-pull cascoded input stage; 30,000- $\mu$ F power supply filter capacitance; thermal-protection circuitry; single-board circuit layout. 120 W x 2 or 350 x 1 into 8 ohms from 20-20,000 Hz with 0.025% THD; 175 x 2 into 4 ohms. Frequency response 4-40,000 Hz +0, -0.5 dB; slew rate 45 V/ $\mu$ s at 10,000 Hz; signal-to-noise ratio 100 dB; damping factor 300 at 1,000 Hz into 8 ohms. 17 x 5 1/4 x 10 1/2 in; 27 lb ..... \$599

**Model 9130S 65-W/ch Amplifier**  
2 channels. Features self-limiting MOSFET output. Level controls. 65 W x 2 or 150 x 1 into 8 ohms; 75 x 2 into 4 ohms. THD 0.008%; S/N 100 dB; damping factor 100 at 1,000 Hz. 19 x 3 1/2 x 9 in; 20 lb ..... \$450  
**Model 9130.** As above, in black; not rack mountable. 17 x 3 1/2 x 9 in ..... \$420

**SE120 60-W/ch Amplifier**  
2 channels. Features 4 lateral MOSFET outputs; discrete drive circuitry; thermal protection. 5-way blind-ing posts. 60 W x 2 into 8 ohms with 0.009% THD or 100 x 1 into 8 ohms. FR 10-40,000 Hz +0, -0.5 dB; S/N 100 dB; damping factor 100 into 8 ohms at 1,000 Hz. 17 x 3 3/4 x 9 1/2 in; 18 lb ..... \$399

**HARMAN KARDON**

**Citation22 200-W/ch Amplifier**  
2 channels. Discrete circuitry; high-current, low negative-feedback design; dual-mono construction with separate transformers; eight 130-W power transistors per channel; bridged mono capability. LED power meters; clipping indicator. 200 W x 2 cont avg into 8/4 ohms from 20-20,000 Hz with 0.08% THD. S/N 100 dB SPL/W/m; slew rate 160 V/ $\mu$ s; damping factor 120. 17 3/8 x 6 1/8 x 15 3/4 in; 45 lb ..... \$1,149

**PA2200 100-W/ch Amplifier**  
2 channels. Discrete circuitry; high current, low negative feedback design; bridgeable. Auto standby mode. 100 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.3% THD ..... \$569  
**PA2100.** As above. 60 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD or into 4 ohms with 0.3% THD ..... \$429

**HEYBROOK by D'ASCANIO AUDIO**

**P-3 100-W/ch Amplifier**

2 channels. Features toroidal transformer capable of 30-ampere output; aluminum chassis. 100 W x 2 cont avg from 20-20,000 Hz into 8 ohms with 0.05% THD. S/N 60 dB; instantaneous peak current  $\pm 30$  amperes. \$1,398

**HTG**

**SPA-100 100-W/ch Amplifier**

2 channels. Low-feedback, dc-coupled design. 2 sets of binding posts; biwire terminals. 100 W x 2 into 8 ohms. FR 20-40,000 Hz; THD 0.05%; sens 1 V; S/N 95 dB; slew rate 50 V/ $\mu$ s; input imp 20 kilohms. 17 x 5 x 9 in; 23 lb \$849  
**SPA-65.** As above, 50 W x 2 \$595

**JOSEPH GRADO SIGNATURE**

**HP1-AC/DC 1-V/ch Headphone Amplifier**

Features Class A output. 1 V x 2. THD 0.008%; slew rate 13 V/ $\mu$ s; input imp 100 kilohms. 2 lb \$795

**JRM**

**Power Tower 540-W Amplifier**

4 channels. Features 12-dB/oct active crossover; complementary symmetry all-cascode Class AB design; polypropylene capacitors; no voltage or current limiting; high-temperature, dc clip, power-up/fail protection. 12-step LED readout per ch. 200 W x 2 + 70 x 2 into 8 ohms, 350 x 2 + 175 x 2 into 4 ohms, or 500 x 2 + 250 x 2 into 2 ohms. FR 0.6-75,000 Hz; THD 0.02%; S/N 102 dB; slew rate 100 V/ $\mu$ s. 24 1/2 x 16 x 14 1/2 in; 65 lb \$3,300

**KINERGETICS**

**KBA-75 Platinum Series 75-W/ch Amplifier**

2 channels. Features Class A operation; dual-mono construction; 1-kVA power supply; multiple high-power output transistors; servo-controlled dc output; low-imp drive capability. 75 W x 2 into 8 ohms, 150 x 2 into 4 ohms, or 300 x 2 into 2 ohms. Slew rate 65 V/ $\mu$ s. 19 x 15 1/2 x 17 in \$1,795

**KBA-505 525-W Amplifier**

6 channels. For surround applications. Features 1.1-kW toroidal transformer; high-current output transistors; Compusound circuitry for matching any Kinergetics subwoofer. Subwoofer level control. 75 W x 5 + 150 W x 1 into 8 ohms \$1,695

**KRELL**

**Krell Audio Standard 400-W Mono Amplifier**

1 channel. Features 2-chassis Class A reference design. 400 W x 1 into 8 ohms, 800 x 1 into 4 ohms, 1,600 x 1 into 2 ohms, or 3,200 x 1 into 1 ohm. \$28,000/pr

**MDA-500 500-W Mono Amplifier**

1 channel. Features dc coupling; Class A circuitry; self-adjusting bias; dc offset. Balanced input and output; single-ended inputs. 500 W x 1 into 8 ohms or 4,000 x 1 into 1 ohm \$14,100/pr  
**MDA-300.** As above, 300 W x 2 into 8 ohms or 2,400 x 2 into 1 ohm \$10,700/pr

**KSA-250 250-W/ch Amplifier**

2 channels. Features dc-coupling; Class A circuitry; self-adjusting bias; dc offset. Balanced and single-ended inputs. 250 W x 2 into 8 ohms or 2,000 x 2 into 1 ohm \$6,700

**KSA-150 150-W/ch Amplifier**

2 channels. 150 W x 2 into 8 ohms or 1,200 x 2 into 1 ohm \$5,000

**KST-100 100-W/ch Amplifier**

2 channels. Features dc-coupling; Class A/B circuitry; balanced and single ended input. 100 W x 2 into 8 ohms or 400 x 1 into 8 ohms \$2,950

**KSA-5 5-W/ch Headphone Amplifier**

2 channels. Features Class A circuitry. 2 locking headphone outputs; XLR connector; 5-way binding posts. 5 W x 2 into 8 ohms \$1,500

**LAZARUS**

**LMA 200-W Mono Tube Amplifier**

1 channel. Features tube/solid-state design; Class A circuitry. RCA, XLR balanced inputs. Standby switch. 200 W x 1 into 8 ohms, 400 x 1 into 4 ohms, or 700 x 1 into 2 ohms. FR 6-80,000 Hz  $\pm 0.5$  dB; input imp 47.5 kilohms; input sens 900 mV. 19-in rack panel available. 17 x 6 3/4 x 12 in; 45 lb \$3,790/pr

**LSA 200-W/ch Tube Amplifier**

2 channels. Features tube/solid-state design; Class A/B circuitry. RCA and XLR balanced inputs. Bridge/parallel operation switch; standby mode switch. 200 W x 2 or 700 x 1 into 8 ohms; 350 x 2 into 4 ohms. FR 6-80,000 Hz  $\pm 0.5$  dB; input imp 47.5 kilohms; input sens 900 mV. 19-in rack panel available. 17 x 6 3/4 x 12 in; 45 lb \$1,995

**LINN**

**LK280 80-W/ch Amplifier**

2 channels. 80 W x 2 cont avg from 20-20,000 Hz. 12 3/4 x 3 x 10 1/2 in; 19 lb \$1,695

**LK280 Spark.** Dual-mono version of above \$2,990

**LK100 50-W/ch Power Amplifier**

2 channels. Blamp or triamp capability. Overcurrent and thermal protection; internal heat sink. 50 W x 2 into 8 ohms. 0.5% distortion \$995

**LUXMAN**

**M-117 200-W/ch Amplifier**

2 channels. Features dual-FET per/ch input stage; high-current bipolar output transistors; Duo-Beta feedback-loop; star circuit topology. Gold-plated speaker binding posts and input terminals; variable and fixed inputs. Clipping indicators. 200 W x 2 into 8 ohms, 550 x 2 into 4 ohms, 820 x 2 into 2 ohms, or 700 x 1. THD 0.03% at rated power; S/N 120 dB; IM 0.007%; slew rate 20 V/ $\mu$ s; damping factor 130 at 50 Hz, 8 ohms. 17 1/4 x 6 1/2 x 17 1/2 in; 52 lb \$1,250

**M-111 25-W/ch Amplifier**

4 channels. Features voltage-driven amplification; Duo-Beta feedback; star topology. 4-way binding posts. Rear-panel bridging switches for ch 1-2 and 3-4; input-level controls. 25 W x 4 cont avg into 8 ohms or 75 x 2 into 8 ohms. THD 0.05%; S/N 112 dB; IM 0.02%; slew rate 12 V/ $\mu$ s; damping factor 45. 17 1/2 x 2 x 13 in; 11 lb \$400

**MADISON FIELDING**

*The following feature a MOSFET output stage with no overall feedback.*

**M-1 100-W Mono Tube Amplifier**

1 channel. Features hybrid vacuum-tube/solid-state design; Class-A operation; MOSFET output stage; power supply with 850-VA transformer and 112,000- $\mu$ F capacitance. 100 W x 1 into 4/8 ohms or 200 x 1 into 2 ohms. Input sens 707 mV. 14 x 8 1/2 x 20 in; 52 lb \$6,650/pr

**M-2 200-W Mono Tube Amplifier**

1 channel. Features hybrid vacuum-tube/solid-state design; Class-A operation; Class A/AB high-bias MOSFET output stage; power supply with 850-VA transformer and 78,000- $\mu$ F capacitance. 200 W x 1 into 4/8 ohms or 400 x 1 into 2 ohms. Input sens 1 V. 14 x 8 1/2 x 20 in; 55 lb \$5,900/pr

**M-3 60-W/ch Amplifier**

2 channels. Features Class-A operation; MOSFET output devices; power supply with 850-VA transformer and 108,000- $\mu$ F capacitance. 60 W x 2 into 8 ohms, 120 x 2 into 4 ohms, or 240 x 2 into 2 ohms. Input sens 550 mV. 19 x 8 1/2 x 16 1/2 in; 62 lb \$3,990

**MARANTZ**

**SM-80 120-W/ch Amplifier**

2 channels. Features THX certification; split-mono power transformer; separate dc power supplies and amplifier stages for each channel; direct-coupled audio path from input to output; Class A input and driver stages; Class AB output stage with high-current devices. Banana-plug, bare-wire, and pin-type speaker terminals. High-speed peak indicators. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.02% THD, 175 x 2 into 4 ohms from 20-20,000 Hz with 0.04% THD, 350 x 1 rms into 8 ohms, or 800 x 1 into 2 ohms. Slew rate 150 V/ $\mu$ s; damping factor 200 into 8 ohms; S/N 121 dBA. Gold finish with die-cast-alloy side panels. 17 7/8 x 6 x 14 1/8 lb; 37 lb \$700

**MA-500 100-W Mono Amplifier**

1 channel. Features pending THX certification. 1 gold-plated RCA input; 1 gold-plated RCA inverted output to allow bridging of multiple units; 2 banana-plug speaker terminals; RC-5 interface for remote compatibility with Marantz components. 100 W x 1 into 8 ohms from 20-20,000 Hz with 0.09% THD. Champagne-gold finish. 3 3/8 x 3 1/2 x 13 1/8 in. \$299

**Music Link Series**

*The following feature a non-magnetic alloy chassis with copper plating and over-current protection. Multiple units may be bridged when used with the SC-80 or SC-22 preamplifier.*

**MA-24 30-W Mono Amplifier**

1 channel. Features Class A amplification via differential-mode FET's; high-current toroidal transformer mounted with resonance-reducing hand-tuned bolts; all-alloy case and chassis. 30 W x 1 into 8 ohms from 20-20,000 Hz with 0.008% THD or 120 x 1 into 2 ohms. FR 20-20,000 Hz  $\pm 0.2$  dB; S/N 115 dB; damping factor 200 into 8 ohms at 1,000 Hz; peak current 50 amperes. Gold finish. 8 1/4 x 5 3/4 x 14 1/8 in; 22 lb \$1,500

**MA-22 50-W Mono Amplifier**

1 channel. Class AB output stage; all-discrete high-current devices; fully floating toroidal transformer. 50 W x 1 into 8 ohms from 20-20,000 Hz with 0.01% THD. FR 1-100,000 Hz +0, -1 dB; S/N 110 dB; damping factor 90 into 8 ohms at 1,000 Hz; peak current 65 amperes. 9 3/4 x 3 3/8 x 8 1/2 in; 13.2 lb \$1,000

**MARCHAND**

**PM14 150-W Mono Amplifier**

1 channel. All MOSFET design with high current output. Thermal and overload protection; toroidal power transformer. 250 W x 1 rms into 4 ohms or 150 x 1 rms into 8 ohms. FR 0-40,000 Hz  $\pm 1$  dB; THD 0.001% \$595

**PM2 50-W Mono Amplifier**

1 channel. Power supply not included. Features integrated circuit-driver chip; two complementary Darlington power transistors; output with safe-operating-area current limiter; temperature sensor; Class AB switchable to Class A with output power limited to 10 W x 1 rms. FR 5-50,000 Hz  $\pm 1$  dB; THD 0.01% at 1,000 Hz. 50 W x 1 cont avg into 8 ohms (Class AB), 10 W x 1 rms into 8 ohms (Class A) \$70  
**PM2-K.** Kit version of above \$50  
**PS11-A.** Dual 40-V power supply for above... \$105

**MARK LEVINSON**

**Model 20.6 100-W Mono Amplifier**

1 channel. Features Class-A biased design; active input buffer; dc-biasing circuitry; internal spike and surge suppression; RF filtering of raw ac from outlet; separate positive and negative supply rails each with individual toroidal power transformer; full-wave bridge rectification and filter capacitors; electronic regulation to refine power used by signal-carrying circuits; 3 high-current devices to drive output stage; all gain stages controlled at clipping; internal switching to adjust for operation at 90-240 V AC. Balanced



# P O W E R A M P L I F I E R S

inputs with Camac connectors; Neutrik-XLR connector. 100 W x 1 Into 8 ohms or 200 x 1 into 4 ohms. Faceplate available in 19-in width. 17½ x 8¼ x 22 in; 90 lb .....\$7,475

## Model 23.5 200-W/ch Mono Amplifier

1 channel. Filtered AC power with DC-offset corrector circuit; surge-limiting circuit protects circuit breakers; 2 power supplies for each ch; toroidal transformers with independent secondary windings; controlled clipping circuitry; triple-bypassing on main circuit board; bipolar gain stages; active differential input circuit; Class-AB output stage. 200 W x 1 into 8 ohms or 400 x 1 into 4 ohms. THD 0.3%; input imp 50 kilohms; gain 26.8 dB. 19 x 8¾ x 18 in; 105 lb \$6,495

## Model 27.5 100-W/ch Amplifier

2 channels. Features dual-mono construction; raw AC current filtered by 2 separate circuits; surge-limiting circuit; 729-VA toroidal transformer to each ch; separate power supplies; audio signals processed through 2 Class-A cascaded voltage-gain stages and 3 current-gain stages; cascoded differential input stage; Class-AB output stage. Camac connector or 3-pin Neutrik XLR input. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 350 x 2 into 2 ohms. Sens 141 mV; voltage gain 26 dB. 19 x 8¾ x 18 in; 85 lb .....\$4,995

## Model 29 50-W/ch Amplifier

2 channels. Dual-mono construction; raw AC current filtered by 2 separate circuits; surge limiting circuit; 320-VA toroidal transformer in each ch; separate power supplies; audio signals processed through 2 Class A cascaded voltage gain stages and 3 current gain stages; cascoded differential input stage; Class AB output stage. Camac connector; 3-pin Neutrik XLR input. 50 W x 2 into 8 ohms, 100 x 2 into 4 ohms, or 175 x 2 into 2 ohms. Sens 141 mV; voltage gain 26 dB. 17½ x 6¾ x 14¾ in; 60 lb .....\$2,995

## McINTOSH

### MC-2600 600-W/ch Amplifier

2 channels. Anti-clipping circuitry; output autotformer; temperature-controlled cooling fans; protection circuitry. Balanced and RCA inputs; gold-plated output terminals. Power output meters. 600 W x 2 cont avg into 8, 4, or 2 ohms or 1,200 x 1 into 16, 8, 4, 2 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 80 dBA; IM 0.005%; damping factor 40; dynamic headroom 1.7 dB; input sens 1.4 or 2.5 V. 19 x 10½ x 18 in; 130 lb .....\$5,395

### MC-1000 1,000-W Mono Amplifier

1 channel. Double-balanced push-pull design; anti-clipping circuitry; output autotformer; thermal protection; convection cooling via 2,800-sq-in heat sink area; power-on muting. Gold-plated output terminals; balanced input. 1,000 W x 1 cont avg into 8, 4, or 2 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 90 dBA balanced, 85 dBA unbalanced; IM 0.005%; damping factor 200; dynamic headroom 1.5 dB; input sens 2.5 V. 17½ x 10½ x 19¾ in; 105 lb .....\$4,995

### MC-7300 300-W/ch Amplifier

2 channels. Anti-clipping circuitry; output autotformer; power-on muting. Power output meters. 300 W x 2 cont avg into 8, 4, or 2 ohms or 600 x 1 into 16, 8, or 4 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 80 dBA; IM 0.005%; damping factor 40; dynamic headroom 1.9 dB; Input sens 1.4 or 2.5 V. 16½ x 5¾ x 15¾ in; 79 lb .....\$3,195

**MC-7300(W).** Wide-chassis version. 17½ x 5¾ x 15¾ in .....\$3,195

### MC-7106 600-W Amplifier

6 channels. Designed for multiroom and surround applications. Features THX certification; anti-clipping circuitry; sentry circuitry to prevent overload; thermal and DC output protection; 2 bridgeable channel pairs. LED power-level indicators for each channel. 100 W x 6, 100 x 4 + 300 x 1, or 100 x 2 + 300 x 2 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD; 150 x 6 into 4 ohms. S/N 95 dBA; IM

0.005%; damping factor 200; dynamic headroom 1.7 dB; input sens 1.4 or 2.5 V. 17½ x 7½ x 17½ in; 48 lb .....\$2,795

### MC-7200 200-W/ch Amplifier

2 channels. Anti-clipping circuitry; Sentry output-protection; thermal, current and surge protection. Power-output meters with hold function; L/R gain control. 200 W x 2 or 600 x 1 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD; 600 x 1 into 8 ohms. S/N 105 dBA; IM 0.005%; damping factor 200. 14¾ x 5¼ x 15¾ in; 53 lb .....\$2,795

**MC-7200(W).** Wide-chassis version .....\$2,795

### MC-7150 150-W/ch Amplifier

2 channels. Anti-clipping circuitry; output autotformer; protection circuitry; power-on muting. Power-output meters. 150 W x 2 cont avg into 8, 4, or 2 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 88 dBA; IM 0.005%; damping factor 40; dynamic headroom 1.8 dB; input sens 1.4 or 2.5 V. 16½ x 5¾ x 15¼ in; 58 lb .....\$2,295

**MC-7150(W).** Wide-chassis version. 17½ x 5¾ x 15¼ in .....\$2,295

### MC-754 100-W/ch Amplifier

2 channels. Anti-clipping circuitry; digital overload corrector to prevent distortion above 0.3%. 100 W x 2 or 200 x 1 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.02% THD. S/N 110 dB; IM 0.02%; damping factor 90 .....\$1,095

### MC-7100(W) 100-W/ch Amplifier

2 channels. Anti-clipping circuitry; DC output and thermal protection; toroidal power transformer; power-on muting. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 95 dBA; IM 0.005%; damping factor 200; dynamic headroom 1.7 dB; input sens 1.4 V or 2.5 V. 17½ x 3¾ x 14½ in; 24 lb .....\$995

## MELOS

### SHA-1 3-W/ch Headphone Amplifier

Vacuum tube/differential DC Class A amp designed to drive headphones. Doubles as line-level preamp featuring two inputs and one line output with max of 9 V. Zero feedback amplification; direct coupling; Imp matched output stage circuitry; toroidal transformer; regulated power supplies; Tiffany connectors. 3 W x 2 into 8 ohms with 0.2% THD. Sens 100 mV; input imp 100 kilohms. 20 lb .....\$995

### Triode Series

*The following feature shielded toroidal transformers, separate regulation for all gain stages and DC heater supply, auto bias with LED indicators for all output tubes, and front-panel fuses with LED indicators for each fuse.*

### Triode 400 Plus 400-W Mono Tube Amplifier

1 channel. Class AB operation to 50 W; balanced input. Power handling 400 W x 1 into 8 ohms with 0.2% THD. FR 20-30,000 Hz; sens 1,000 mV; 3 dB dynamic headroom; Input imp 100,000 ohms. 83 lb .....\$5,995/pr

### Triode 200 ST Plus Deluxe 200-W/ch Tube Amp

2 channels. Class AB operation to 50 W; balanced input. Power handling 200 W x 2 into 8 ohms with 0.2% THD. FR 20-30,000 Hz; sens 1,500 mV; 3 dB dynamic headroom; input imp 100 kilohms. 82 lb .....\$3,495

**Triode 200 ST Plus.** As above, with Class AB operation to 25 W. No balanced inputs. 79 lb .....\$2,995

## MEMOREX

### Concept 2 20-W/ch Wireless Amplifier

2 channels. 2-piece unit using ac wiring as signal carrier between amp and speakers. Features polarity inverter; Class-A output. Balanced inputs. 20 W x 2 into 8 ohms or 40 x 2 into 4 ohms. Total harmonic distortion 1%; dynamic headroom 1 dB; input impedance 47 kilohms. 9.5 lb .....\$249

## MERIDIAN

### Model 605 150-W Mono Amplifier

1 channel. Features Class-AB direct-coupled discrete design; MOSFET output devices; extruded aluminum case and heatsink. XLR balanced input; direct-coupled, unbalanced RCA input; gold-plated 5-way binding posts. 150 W x 1 into 8 ohms. FR 0.4-20,000 Hz +0, -0.5 dB; S/N -95.5 dB (full gain). 12¾ x 4 x 12 in; 22.1 lb .....\$3,500/pr

### Model 205 100-W Mono Amplifier

1 channel. Features Class-AA design amp with toroidal high-current power supply; fully complementary circuit design; music-sense circuit turns on amp when signal is detected. 100 W x 1 into 8 ohms. 6¾ x 4 x 12¾ in; 13.2 lb .....\$1,790/pr

## MIRROR IMAGE AUDIO

### 1.1SB 200-W/ch Amplifier

2 channels. Features soft-start circuitry; DC coupling; Class-A biased; biamp capability; 92,000-µF power supply capacitance; temperature-controlled fan. Bridgeable inputs. Overheating, DC offset, and clipping indicators; selectable input imp. 200 W x 2 into 8 ohms. FR 1-500,000 Hz; THD 0.01%; slew rate 300 V/µs. Silver or black finish. 52 lb .....\$4,500

**1.1 S+.** As above, with 196,000-µF of power supply capacitance. 62 lb .....\$5,525

**1.1 M.** As 1.1 S+, 588,000-µF of power supply capacitance/pr. 250 W x 2 into 8 ohms or 1,600 x 2 into 1 ohm. 70 lb .....\$9,800/pr

## MOBILE FIDELITY

### UltraAmp 100-W/ch Amplifier

2 channels. Features dual-mono design; Class-A operation; printed circuit board; independently regulated power supplies; 3 power transformers; hand-selected transistors; silver-coated conductive wires; DC coupling; RF filtering. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Frequency response 2-100,000 Hz ±1 dB; gain 30 dB; THD 0.02%; S/N 90 dB. 18 x 5½ x 16½ in; 30 lb .....\$1,695

## MOD SQUAD

### McCormack DNA-20 250-W Mono Amplifier

1 channel. Features JFET and MOSFET input and drive circuitry; bipolar output stage; DC-servo control; separate front-end and main power supplies; Distributed Node Current Reservoir delivers power to each local output device. 2 sets of outputs for biwiring. 250 W x 2 into 8 ohms. FR 1-250,000 Hz; S/N 90 dB; THD 0.01%; sens 1.2 V rms; current output 70 amperes max. 19 x 7 x 16 in; 55 lb .....\$5,995/pr

### McCormack DNA-1 150-W/ch Amplifier

2 channels. Features hybrid JFET-MOSFET/bipolar circuitry; DC-servo control; Class A/AB mode; separate front-end and main power supplies; Distributed Node Current Reservoir delivers power to each local output device; global feedback; 685-VA transformer for power supply with electrostatic shielding. Two units may be converted into bridged mono pair. 150 W x 2 into 8 ohms. FR 1-250,000 Hz; S/N 90 dB; THD 0.01%; sens 1.2 V rms; current output 50 amperes max. 19 x 7 x 16 in; 55 lb .....\$1,995

## MOTIF

### MS2001 200-W/ch Amplifier

2 channels. Features MOSFET output stage; polystyrene capacitors. 200 W x 2 into 8 ohms. THD 1.0%; FR 20-20,000 Hz ±0.1 dB; S/N 100 dB; input imp 100 kilohms. 19 x 7 x 18½ in; 63 lb .....\$4,395

**MS1001.** As above, 100 W x 2 .....\$3,295

## MTX SOUND CRAFTSMEN

### Pro-Power Ten 820-W Amplifier

4 channels. Features MOSFET circuitry; dual power meters and clipping indicators. 205 W x 4 into 8 ohms, 300 x 4 into 4 ohms with 0.05% THD, or 600 x 2



MTX Soundcraftsmen A200

into 8 ohms from 20-20,000 Hz with 0.05% THD. 19 x 5 1/4 x 12 in ..... \$1,399

**A5002 250-W/ch Amplifier**

2 channels. Features Class H Vari-Proportional circuitry; 2-ohm load capability; crowbar output protection without current limiting. 20 LED indicators per channel; front-panel switching for 2 speaker pairs; clipping indicators; input-level controls. 250 W x 2 into 8 ohms or 375 x 2 cont avg into 4 ohms with 0.09% THD. S/N 105 dB; slew rate 50 V/μs; dynamic headroom 2 dB ..... \$949

**Pro-Power Four 205-W/ch Amplifier**

2 channels. Features MOSFET amp with dual 20-segment LED clipping indicators; switching for 2 speaker pairs. 205 W x 2 cont avg into 8 ohms with 0.05% THD. 300 x 2 into 4 ohms, or 450 x 2 into 2 ohms. S/N 105 dB; slew rate 40 V/μs; IM 0.05%. 19 x 5 1/4 x 11 in; 28 lb ..... \$849

**A400 205-W/ch Amplifier**

2 channels. Features MOSFET design; phase control regulation; thermal and overload protection; direct coupling; anti-surge turn-on delay. 205 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD or 300 x 2 into 4 ohms. S/N 105 dB ..... \$760  
**Pro-Power Three.** As above, without level controls or LED meters ..... \$749

**Pro-Reference Two 100-W/ch Amplifier**

2 channels. Features MOSFET amp with 20-LED power meters; switching for 2 speaker pairs; clipping indicators. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms. S/N 105 dB. Charcoal finish with rack-mount front panel ..... \$699

**Pro-Reference One.** As above, without LED meters ..... \$599

**PCR800 205-W/ch Amplifier**

2 channels. Features phase-control-regulated MOSFET design. 205 x 2 cont avg into 8 ohms. THD 0.05%. S/N 105 dB. 8 1/4 x 5 x 12 in; 18 lb ..... \$499

**Pro-Power.** As above. 300 W x 2 into 4 ohms or 450 x 2 into 2 ohms ..... \$579

**Pro-Pa2x200 125-W/ch Amplifier**

2 channels. Features high-current MOSFET design. 125 W x 2 into 8 ohms or 190 x 2 into 4 ohms with 0.05% THD. FR 20-20,000 Hz ± 0.1 dB; S/N 105 dB; damping factor 200. Rack mount. 19 x 5 1/4 x 10 1/2 in ..... \$499

**A200 125-W/ch Amplifier**

2 channels. Features MOSFET design; thermal and overload protection; direct coupling; non-current limiting. Clipping indicators. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD or 190 x 2 into 4 ohms. FR 20-20,000 Hz ± 0.1 dB; S/N 105 dB. 17 x 5 1/4 x 10 7/8 in ..... \$470

**A100.** As above, without clipping indicators. 60 W x 2 into 8 ohms. 17 x 1 3/4 x 10 7/8 in ..... \$350

**MUSE**

**Model One Hundred 100-W/ch Amplifier**

2 channels. Features 6 complementary MOSFET's mounted on 180 square inches of heat sink per channel; discrete circuitry; multiple parallel secondary transformer; Class A operation in driver stage; diode decoupled filtered front-end power supply. 100 W x 2 into 8 ohms with 0.5% THD. FR 13-200,000 Hz +0, -3 dB. 19 x 3 1/2 x 13 1/2 in; 28 lb ..... \$1,200

**Model One Hundred Fifty.** As above, mono. 125 W x 1 into 8 ohms with 0.5% THD. FR 13-250,000 Hz +0, -3 dB; output imp 0.60 ohms from 20-20,000 Hz. 19 x 3 1/2 x 13 1/2 in; 28 lb ..... \$2,280/pr

**MUSEATEX**

*The following feature floating-charge power supplies, MOSFET output, toroidal transformers, power-on muting, and a 5-year warranty.*

**Melior AS-10 100-W/ch Amplifier**

2 channels. Class AB design; static fan heat sink; thermal overload, DC offset, and short-circuit protection; solid-state switching. 5-way binding posts. 100 W x 2 cont avg into 8 ohms or 150 x 2 into 4 ohms. FR 1-100,000 Hz; slew rate 75 V/μs; damping factor 100. 14 3/4 x 3 x 15 1/4 in; 26 lb ..... \$1,999

**Melior AM-15 150-W Mono Amplifier**

1 channel. Static fan heat sink; thermal overload, DC offset, and short-circuit protection; solid-state switching. 2 parallel inputs; 2 parallel outputs for speaker biwiring; 5-way binding posts. 150 W x 1 cont avg into 8 ohms or 250 x 1 into 4 ohms. FR 1-100,000 Hz; IM 0.25%; damping factor 100 ..... \$1,699

**A-360 180-W Amplifier**

3 channels. Thermal overload, DC offset, and short-circuit protection; solid-state switching. Designed to power rear or center channels in surround systems. 5-way binding posts. Detachable rack-mount ears. 60 W x 3 cont avg into 8 ohms or 90 x 3 into 4 ohms. FR 1-100,000 Hz; IM 0.25%; damping factor 100. 17 x 5 1/4 x 11 in; 24 lb ..... \$949

**A-260.** As above, 2 channels ..... \$799

**MUSICAL DESIGN**

**D-140i 140-W/ch Amplifier**

2 channels. Features high-current design with MOSFET driver stage; Class AB output stage; dual-mono power supply. 140 W x 2 into 8 ohms or 200 x 2 into 4 ohms. FR 0.1-180,000 Hz; THD 0.01%; slew rate 30 V/μs; sens 750 mV; Input Imp 22,100 ohms. 29 lb ..... \$1,495

**D-140.** As above, without high-current design \$1,295

**NAD**

*Models with Power Envelope circuitry feature extended headroom; NAD's Soft Clipping circuitry is designed to prevent speaker-damaging distortion.*

**Model 208 250-W/ch Amplifier**

2 channels. Features N-channel MOSFET design; symmetrical balanced inputs. 250 W x 2 cont avg into 8 ohms or 500 x 1 into 8 ohms. Fan and rack-mount front-panel kits optional ..... \$1,199

**Model 2700THX 150-W/ch Amplifier**

2 channels. Features THX certification; Power Envelope and Soft Clipping circuitry; infrasonic and ultrasonic filtering. Imp selector; overload indicators; optional rack handles. 150 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD or 400 x 1 into 8 or 4 ohms. S/N 100 dBA; damping factor 120 at 50 Hz; dynamic headroom 4 dB. 17 1/8 x 5 x 15 5/8 in; 29 lb ..... \$829

**Model 906 180-W Amplifier**

6 channels. For multiroom and surround applications. 3 discrete, independent, high-current power supplies; Soft Clipping circuitry; 2-ohm drive capability. 3 line-level, buffered outputs. 30 W x 6 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 30 x 4 + 90 x 1. 30 x 2 + 90 x 2, or 90 x 3 into 8 ohms. S/N 85 dBA; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16 1/2 x 4 1/4 x 14 1/2 in ..... \$649

**Model 2400THX 100-W/ch Amplifier**

2 channels. Features THX certification; Power Envelope and Soft Clipping circuitry. Lab and normal inputs. Variable Input sens; A/B speaker switching. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 98 dBA; damping factor 100 at 50 Hz; dynamic headroom 5.7 dB. 17 1/8 x 5 x 15 5/8 in; 22 lb ..... \$599

**Model 2100X 60-W/ch Amplifier**

2 channels. Power Envelope and Soft Clipping circuitry. Lab and normal inputs. Features variable input sens; A, B, and A+B speaker switching. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 100 dBA; damping factor 100 at 50 Hz; dynamic headroom 5.5 dB. 17 1/8 x 4 1/4 x 15 5/8 in; 21 lb ..... \$429

**Model 902 30-W/ch Amplifier**

2 channels. Features high-current power supply; Soft Clipping circuitry; 2-ohm drive capability; variable input sens. 30 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 90 x 1 into 8 ohms. S/N 85 dBA; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16 1/2 x 3 3/8 x 10 5/8 in ..... \$249

**NAIM**

**NAP 250 70-W/ch Amplifier**

2 channels. Features toroidal transformers; 4 regulated power supplies each rated at 40 V and 15 amperes; shut down if heat sink reaches 70° C; fan cooling. 70 W x 2 cont into 8 ohms. Input Imp 22 kilohms; FR 3-40,000 Hz ± 3 dB ..... \$3,295

**NAP 135 75-W Mono Amplifier**

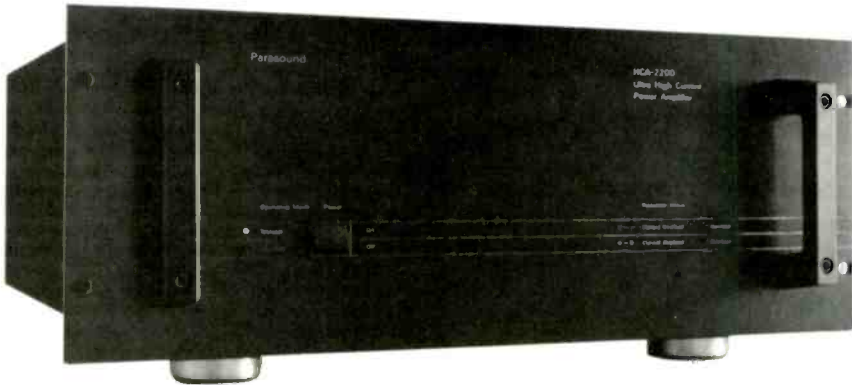
1 channel. Features toroidal transformers; 4 regulated power supplies each rated at 40 V and 15 amperes; shut down if heat sink reaches 70° C; fan cooling. 75 W x 1 cont into 8 ohms. Input Imp 22 kilohms; FR 3-40,000 Hz ± 3 dB. 16 3/4 x 3 x 11 3/4 in ..... \$3,295

**NAP 180 60-W/ch Amplifier**

2 channels. Features 430-VA toroidal transformer; 4 smoothing capacitors. 60 W x 2 cont into 8 ohms. Input Imp 22 kilohms; FR 5-40,000 Hz ± 3 dB. 16 3/4 x 3 x 11 1/4 in ..... \$2,095

**NAP 140 45-W/ch Amplifier**

2 channels. Features dual power supply rectification; 2 smoothing capacitors for each channel; thermal protection. 45 W x 2 cont into 8 ohms. Input Imp 22 kilohms; FR 5-40,000 Hz ± 3 dB ..... \$1,495



Parasond HCA-2200

**NAP 90 30-W/ch Amplifier**

2 channels. Features protection circuitry. 30 W x 2 cont into 8 ohms. Input imp 22 kilohms; FR 5-40,000 Hz  $\pm$  3 dB. 8 x 3 x 11 $\frac{1}{4}$  in ..... \$995

**NAKAMICHI**

**PA-7AII 225-W/ch Amplifier**

2 channels. Stasis topology; two internal amps for high- and low-imp sources; 700-W toroidal power transformer; bridge rectifiers; electrolytic filters. 225 W x 2 cont avg into 8 ohms with 0.05% THD. FR 20-20,000 Hz +0, -0.2 dB; S/N 120 dB; damping factor 60; dynamic headroom 1.7 dB. 17 $\frac{1}{8}$  x 7 $\frac{7}{8}$  x 16 $\frac{3}{8}$  in; 62.7 lb ..... \$2,195  
PA-5AII. As above, 150 W x 2 ..... \$1,550

**NESTOROVIC LABS**

**NA-1 150-W/ch Mono Tube Amplifier**

1 channel. Class AB operation; push-pull configuration. Balanced inputs; differential or single-ended input. THD 0.5%; high-level sens 1 V. 150 W cont avg x 1 into 4/8 ohms. FR 18-25,000 Hz; input imp 200 kilohms. 17 x 7 $\frac{1}{2}$  x 10 in ..... \$3,600

**NHT**

**MA-1 80-W Mono Amplifier**

1 channel. Designed to power center-channel speaker or subwoofer. Feature Class AB design; defeatable low-pass filter at 50, 100, or 200 Hz; built-in high-pass filter; variable gain. 80 W x 1 into 8 ohms. Slew rate 12 V/ $\mu$ s; dynamic headroom 2 dB; input imp 50 kilohms ..... \$300

**NRG**

**Model 401S 400-W/ch Amplifier**

2 channels. Features Class A design; protection circuitry; regulated power supply. 400 W x 2 into 8 ohms. Bandwidth 0.4-100,000 Hz; THD 0.05%; slew rate 800 V/ $\mu$ s; damping factor 500 from 20-20,000 Hz. 5-yr warranty. 19 x 10 $\frac{1}{2}$  x 27 in; 120 lb ..... \$6,900  
Balanced-input option ..... \$300  
A201S. As above, 200 W x 2; slew rate 600 V/ $\mu$ s ..... \$6,900  
Balanced-input option ..... \$300  
A401M. As 401S, Class A mono design. 400 W x 1 ..... \$6,300  
Balanced-input option ..... \$200

**OCM TECHNOLOGY**

**Soloist Series**

**Model 500 200-W/ch Amplifier**

2 channels. Features Class AB MOSFET output circuitry with temperature-independent biasing. 1,500-VA, shielded, toroidal power transformer; electrolytic capacitors. Gold-plated RCA jacks for unbalanced stereo input; XLR input for balanced mono operation; 5-way binding posts. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 1 into 8 ohms. THD 0.25%; input

sens 1.1 V; input imp 50 kilohms; FR 0.2-100,000 Hz  $\pm$  3 dB. Black anodized-aluminum faceplate. 19 x 5 $\frac{1}{4}$  x 17 in; 66 lb ..... \$2,595

**Model 200 100-W/ch Amplifier**

2 channels. Features Class AB MOSFET output circuitry with temperature-independent biasing. 1,000-VA, shielded, toroidal power transformer; electrolytic capacitors. Gold-plated RCA jacks for unbalanced stereo input; XLR input for balanced mono operation; 5-way binding posts. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 400 x 1 into 8 ohms. THD 0.25%; input sens 790 mV; input imp 50 kilohms; FR 0.2-100,000 Hz  $\pm$  3 dB ..... \$1,595

**OCTAVE RESEARCH**

**OR-1 85-W/ch Amplifier**

2 channels. Features Class A operation; separate amplifiers for LR channels; 4 independent power supplies; mono operation via bridging adaptor. 85 W cont avg x 2 into 8 ohms. IM 0.02%; S/N 95 dB; input imp 100 kilohms. 3-yr parts-and-labor warranty. 19 x 9 $\frac{1}{8}$  x 19 $\frac{3}{8}$  in; 66 lb ..... \$3,650

**ONKYO**

**Grand Integra M-510 300-W/ch Amplifier**

2 channels. Features high-current dual-mono design; 1-ohm drive capability; power supply with current stabilizing transformer; 3 separate power supplies. Power meters calibrated to 1-dB accuracy; adjustable meter sens. 300 W x 2 cont avg into 8 ohms, 750 x 2 into 4 ohms, 1,300 x 2 into 2 ohms, or 2,100 x 2 into 1 ohm. THD 0.005%; S/N 120 dB; IM 0.003%. 20 x 10 $\frac{1}{2}$  x 21 in; 165 lb ..... \$4,500

**Integra M-588F 200-W/ch Amplifier**

2 channels. Features balanced dual-mono design; low-imp-drive capability; discrete outputs; optically-isolated output; overload protection. XLR and RCA inputs; 4 parallel banana-plug speaker terminals. 2 optically-isolated power meters with auto meter-range selection. 200 W x 2 rms into 8 ohms or 750 x 2 max into 2 ohms ..... \$2,000

**Grand Integra M-508 200-W/ch Amplifier**

2 channels. Features high-current dual-mono design; low-imp drive capability; current stabilizing transformer. Variable inputs with LR level controls. Calibrated high-speed power meters; peak-power meters. 200 W x 2 cont avg into 8 ohms, 460 x 2 into 4 ohms, 685 x 2 into 2 ohms, or 860 x 2 into 1 ohm. THD 0.003%; S/N 120 dB; IM 0.003%; damping factor 140. 18 $\frac{1}{4}$  x 7 $\frac{1}{4}$  x 16 $\frac{3}{8}$  in; 55 lb ..... \$1,200

**Integra M-504 165-W/ch Amplifier**

2 channels. Features high-current dual-mono design; low-imp drive capability; discrete outputs; linear switching. 4-way speaker selector; high-speed peak-power meters; side panels. 165 W x 2 rms into 8 ohms or 530 x 2 max into 2 ohms. THD 0.003%; S/N 120 dB; IM 0.003%; damping factor 140. 18 $\frac{1}{4}$  x 7 $\frac{1}{4}$  x 16 $\frac{3}{8}$  in; 46 lb ..... \$830

**Integra M-502 140-W/ch Amplifier**

2 channels. Features dual-mono design; low-imp drive capability; discrete outputs; linear switching. 4-way speaker selector. Side panels optional. 140 W x 2 rms into 8 ohms or 425 x 2 max into 2 ohms. THD 0.005%; S/N 120 dB; IM 0.004%; damping factor 140. 17 $\frac{1}{8}$  x 7 $\frac{1}{4}$  x 16 $\frac{3}{8}$  in; 41 lb ..... \$650

**M-501 150-W/ch Amplifier**

2 channels. Features protection circuitry. 2 sets of speaker outputs. 150 W x 2 rms into 8 ohms, 210 x 2 max into 8 ohms, or 400 x 2 into 2 ohms. FR 5-100,000 Hz; THD 0.09%; S/N 100 dB; IM 0.09%; damping factor 40. 17 $\frac{1}{8}$  x 5 $\frac{7}{8}$  x 13 $\frac{1}{4}$  in; 23 lb ..... \$360

**PARASOUND**

**HCA-2200 220-W/ch Amplifier**

2 channels. Features high-current design; discrete circuitry; 1,000-V toroidal transformer; 90-ampere peak current; 24 output devices. Gold-plated inputs; 5-way binding posts. 220 W x 2 or 500 x 1 bridged. FR 5-100,000 Hz; dynamic headroom 1.5 dB ..... \$1,585

**HCA-1206 720-W Amplifier**

6 channels. Features THX certification; high-current discrete circuitry; FET; toroidal transformer. 5-way binding posts; gold-plated inputs. Level controls. Bridgeable to 5 or 4 channels. 120 W x 6 or 280 x 2 + 120 x 2. FR 8-90,000 Hz; THD 0.01%; IM 0.05%; S/N 104 dB. 19 x 7 x 16 in ..... \$1,535

**HCA-1200 200-W/ch Amplifier**

2 channels. Features high-current design; discrete circuitry; toroidal transformer; 60-MHz output transistor; 57 amperes peak current. 5-way binding posts; gold-plated inputs. Level controls. 200 W x 2 rms into 8 ohms or 600 x 1 rms. FR 8-90,000 Hz; THD 0.08% ..... \$845  
RMK-100G. 19-in rack mount kit ..... \$29

**HCA-800II 100-W/ch Amplifier**

2 channels. High-current design; discrete circuitry; 60-MHz output transistors; relay protection; gold-deposited 36,000- $\mu$ F electrolytic capacitors. Gold-plated RCA inputs; headphone jack; 5-way binding posts. Level controls;  $\infty$  speaker terminals; rear-panel bridging switch. 100 W x 2 cont into 8 ohms, 150 x 2 into 4 ohms, or 260 x 1 into 4 ohms. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.1%; S/N 104 dB; IM 0.1%; damping factor 120. 17 $\frac{1}{4}$  x 3 $\frac{3}{4}$  x 11 $\frac{1}{4}$  in ..... \$425  
RMK-800. 19-in rack-mount kit ..... \$24

**HCA-500 50-W/ch Amplifier**

2 channels. High-current design; discrete circuitry; oversized power transformer. RCA inputs; headphone jack; 5-way binding posts. Level controls; relay protection indicator. 50 W x 2 cont into 8 ohms or 75 x 2 cont into 4 ohms. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.25%; S/N 100 dB; damping factor 85 ..... \$319

**PIONEER**

**A-301 40-W/ch Amplifier**

2 channels. Features 4-ohm load capability; honeycomb chassis and heat sink. Balance control. 40 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. 16 $\frac{1}{8}$  x 5 x 13 $\frac{3}{8}$  in; 15.2 lb ..... \$395

**Elite Series**

**M-91 200-W/ch Amplifier**

2 channels. Features direct signal paths; low-imp drive capability; power supply with 47-ampere rating and 1 cast-iron transformer per channel; sixteen 130-W output transistors; honeycomb heat sink and Insulators. Two pairs of speaker outputs; CD- and line-direct inputs with level controls.  $\infty$  speaker switching. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz with THD 0.003%. FR 20-20,000 Hz +0, -0.1 dB; S/N 125 dB. 18 x 6 $\frac{1}{2}$  x 17 in ..... \$1,400

**M-72 200-W Amplifier**

4 channels. Features semiconductor non-linearity cancellation; insulation of power transformer and

# P O W E R A M P L I F I E R S

heat sink from chassis; direct signal paths. 2 inputs; headphone jack. 2 input-level controls. 50 W x 4 cont avg into 8 ohms from 20-20,000 Hz with 0.02% THD or 100 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.009% THD. Frequency response 5-150,000 Hz  $\pm 0$ , -3 dB; signal-to-noise ratio (2-ch mode) 120 dB. 18 x 6 1/2 x 16 3/4 in; 47.6 lb ..... \$1,000

## POINTSOURCE

### MT100 100-W Mono Tube Amplifier

1 channel. Class AB pentode, Class A/B triode, Class A pentode, and Class A triode operating modes. 100 W x 1 into 8 ohms from 20-20,000 Hz with 0.5% THD. Solid-wood enclosure. 8 x 7 x 15 in; 40 lb ..... \$1,750/pr

**T100.** As above, single chassis. 100 W x 2. 19 x 7 x 15 in; 55 lb ..... \$1,375

### M202 200-W Mono Amplifier

1 channel. Features high-bias Class AB design; FET input and bipolar output; 1,000-VA power transformer; 1-ohm drive capability. 200 W x 1 into 8 ohms from 20-20,000 Hz with 0.1% THD. Solid-wood enclosure, black metal faceplate. 7 x 7 x 15 in. \$1,400/pr

**Model 202.** As above, single chassis; dual-mono design. 200 W x 2. 19 x 7 x 16 in ..... \$1,250

**M102.** As M202, 100 W x 1. 7 x 5 x 15 in. \$1,100/pr

**Model 102.** As M102, single chassis. 100 W x 2. 19 x 5 x 16 in; 46 lb ..... \$975

## PRODIGY

### 150-W Mono Amplifier

1 channel. Features Teflon power-connect wiring; military-grade components. 150 W x 1 into 8 ohms. FR 4-50,000 Hz; slew rate 35 V/ $\mu$ s. 17 1/2 x 12 x 19 1/2 in; 100 lb ..... \$7,000/pr

## PS AUDIO

### PS 100 Delta 120-W/ch Amplifier

2 channels. Dual-mono design; direct-coupled input and output; 60  $\mu$ F filter capacitors in power supply; low feedback design. 200 W x 2 into 4 ohms. Total harmonic distortion 0.1%; slew rate 150 V/ $\mu$ s. 17 x 6 x 17 in; 43 lb ..... \$1,195

### PS 250 Delta 250-W Mono Amplifier

1 channel. Features isolated transformer power supply; direct-coupled input and output; twelve 10- $\mu$ F filter capacitors in power supply; low feedback design. 400 W x 1 into 4 ohms; THD 0.1%; slew rate 150 V/ $\mu$ s. 17 x 6 x 17 in; 52 lb ..... \$995

## PSE

### Studio V 120-W Mono Amplifier

1 channel. Features Class A/AB design; discrete circuitry; FET up to Class A/B high current; bipolar transistors; toroidal transformer; 54,000- $\mu$ F main supply; independent regulated supplies for each stage; auto mute; OFC wiring; thermal, DC-offset, and short-circuit protection. XLR-balanced and RCA-unbalanced inputs. 120 W x 2 into 8 ohms with 1% THD. Slew rate 200 V/ $\mu$ s; SN 97 dB at 1 W into 8 ohms. Optional rack mounting; wood and black acrylic finishes. 5-yr warranty ..... \$1,995/pr

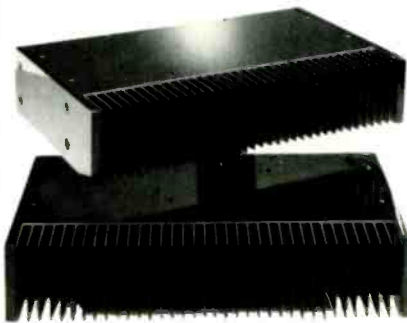
**Studio IV.** As above, 2 channels. Gold-plated inputs and 5-way binding posts. 100 W x 2 into 8 ohms with 1% THD. Slew rate 100 V/ $\mu$ s; SN 92 dB at 1 W into 8 ohms. 5-yr warranty. 22 lb ..... \$1,095

## QSC AUDIO

All QSC amplifiers feature a 3-yr warranty.

### Series One

Series One amplifiers feature a fully complementary circuit design, DC-offset and short-circuit protection, balanced inputs, accessory-module inputs, a mono-bridging switch, 1/4-in RTS, XLR, and barrier-strip input connectors, direct-mounted power transistors, calibrated gain controls, and clipping indicators.



PSE Studio IV

### Model 1700 325-W/ch Amplifier

2 channels. Auto 2-speed cooling fan. 325 W x 2 cont avg into 8 ohms or 300 x 2 cont avg into 4 ohms. FR 20-20,000 Hz -1 dB at 1 W; THD 0.1%; slew rate 21 V/ $\mu$ s; damping factor 200; dynamic headroom 1.9 dB. 19 x 7 x 10 3/4 in; 54 lb ..... \$1,248

### Model 1400 200-W/ch Amplifier

2 channels. Auto 2-speed cooling fan. 200 W x 2 cont avg into 8 ohms or 300 x 2 cont avg into 4 ohms. FR 20-20,000 Hz -1 dB at 1 W; THD 0.1%; slew rate 18 V/ $\mu$ s; damping factor 200; dynamic headroom 2 dB. 19 x 5 1/4 x 9 1/2 in; 34 lb ..... \$798

### Model 1200 100-W/ch Amplifier

2 channels. 100 W x 2 cont avg into 8 ohms or 150 x 2 cont avg into 4 ohms. FR 20-20,000 Hz -1 dB; THD 0.1%; slew rate 12 V/ $\mu$ s; damping factor 200; dynamic headroom 2 dB. 19 x 5 1/4 x 9 1/2 in; 24 lb ..... \$598

### Model 1100 50-W/ch Amplifier

2 channels. Toroidal transformer; large heat sinks. 2 headphone jacks. 50 W x 2 cont avg into 8 ohms or 70 x 2 cont avg into 4 ohms. FR 20-20,000 Hz  $\pm 0$ , -1 dB at 1 W; THD 0.1%; slew rate 14 V/ $\mu$ s; damping factor 200; dynamic headroom 2 dB ..... \$568

## MX Series

The following feature short-circuit and DC-offset protection, 1/4-in RTS and barrier-strip input connectors, a subsonic filter, and LED status indicators.

### MX 2000a 650-W Mono Amplifier

1 channel. Features 2-speed cooling fan; mono-bridging/parallel switch. 650 W x 1 cont avg into 4 ohms. 1,000 x 1 cont avg into 2 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; THD 0.05%; damping factor 200; dynamic headroom 3 dB at 4 ohms; SN 100 dB; sens 1.07 V (rms) at 8 ohms. 19 x 5 1/4 x 18 in; 54 lb ..... \$1,498

### MX 1500a 500-W/ch Amplifier

2 channels. Features low profile (2 rack spaces); 2-speed cooling fan. Recessed front panel controls; mono-bridging/parallel switch. 500 W x 2 cont avg into 4 ohms or 750 x 2 cont avg into 2 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; THD 0.05%; damping factor 200; dynamic headroom 3 dB at 4 ohms; sens 1.05 V (rms) at 8 ohms. 19 x 3 1/2 x 18 in; 42 lb ..... \$1,098

**MX 1000a.** As above, 350 W x 2 cont avg into 4 ohms or 500 x 2 into 3 ohms. Sens 1.12 V (rms) at 8 ohms ..... \$898

### MX 700 150-W/ch Amplifier

2 channels. Features low profile (2 rack spaces) chassis; direct-mounted power transistors; 2-speed cooling fan. 150 W x 2 cont avg into 8 ohms, 225 x 2 cont avg into 4 ohms or 350 x 2 into 2 ohms. FR 20-20,000 Hz  $\pm 0.25$  dB; THD 0.1% from 20-20,000 Hz; damping factor 200; dynamic headroom 3 dB at 4 ohms; sens 0.96 V (rms) at 8 ohms. 19 x 3 1/2 x 12 in; 25 lb ..... \$598

## EX Series

EX Series amplifiers feature thermal protection, gain controls with 2-dB steps, LED status indicators, XLR

and barrier-strip balanced-input connectors, and 5-way binding posts.

### EX 4000 720-W/ch Amplifier

2 channels. Fully complementary 3-step output stage. 720 W x 2 continuous average into 8 ohms or 1,000 x 2 continuous average into 4 ohms. Frequency response 20-20,000 Hz  $\pm 0.1$  dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 64 lb ..... \$2,298

### EX 2500 500-W/ch Amplifier

2 channels. Fully complementary 2-step output stage. 500 W x 2 cont avg into 8 ohms or 750 x 2 cont avg into 4 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 55 lb ..... \$1,898

### EX 1600 400-W/ch Amplifier

2 channels. Fully complementary 2-step output stage. 400 W x 2 cont avg into 8 ohms or 600 x 2 cont avg into 4 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; damping factor 200; dynamic headroom 3 dB. 19 x 3 1/2 x 18 in; 44 lb ..... \$1,498

### EX 1250 275-W/ch Amplifier

2 channels. Fully complementary 2-step output stage. 275 W x 2 cont avg into 8 ohms or 400 x 2 cont avg into 4 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; damping factor 200; dynamic headroom 3 dB. 19 x 3 1/2 x 18 in; 42 lb ..... \$1,198

### EX 800 175-W/ch Amplifier

2 channels. Fully complementary Class AB output stage. 175 W x 2 cont avg into 8 ohms or 275 x 2 cont avg into 4 ohms. FR 20-20,000 Hz  $\pm 0.1$  dB; damping factor 200; dynamic headroom 2 dB. 19 x 3 1/2 x 18 in; 40 lb ..... \$948

## Accessory Modules

**AT-1.** Precision-stepped attenuator and input transformer ..... \$128

**UF-1.** Universal, high-pass, low-pass, and CD equalization ..... \$98

**XH-1.** 2-way 24 dB/oct active crossover. Selectable above 500 Hz ..... \$98

**XL-1.** 2-way 24 dB/oct active crossover. Selectable below 500 Hz ..... \$98

**OT-300.** 300-W, 70-V output autotransformer ..... \$98

**PL-1.** Power limiter. Adjustable rate, attack/release, and threshold ..... \$78

**T-1.** Input balancing/isolation transformer ..... \$78

**MX-1.** For MXa series amps; adds 2 female XLR inputs and four 1/4-in jacks (2 per channel) ..... \$48

## QUAD

### Model 606 140-W/ch Amplifier

2 channels. Combines Class A operation with Class B. Features feed-forward error correction; current-regulated power supply. 140 W x 2. THD 0.01% at 1,000 Hz; FR 20-20,000 Hz  $\pm 0$ , -0.25 dB. 12 3/4 x 5 1/2 x 9 1/2 in; 27 lb ..... \$1,495

### Model 306 60-W/ch Amplifier

2 channels. Combines Class A operation with Class B. Features feed-forward error correction; current-regulated power supply. 60 W x 2. THD 0.01% at 1,000 Hz; FR 20-20,000 Hz  $\pm 0$ , -0.25 dB. 12 3/4 x 2 3/4 x 8 1/4 in; 11 lb ..... \$795

## QUICKSILVER

### Model 135 135-W Mono Tube Amplifier

1 channel. Features hand wiring; six EL34's, one 12AU7, and one 12FQ7 tube. Front panel meter and bias controls. 135 W x 1 into 4/8 ohms from 20-20,000 Hz. 70 lb ..... \$3,250

**Silver.** As above with matched pair KT88's, 12AX7, 12BH7, 5AR4 tubes. 90 W cont x 1 into 4/8 ohms from 20-20,000 Hz. 9 3/4 x 6 x 15 3/4 in; 37 lb ..... \$1,150

**KT-88.** As above, with two KT88's, two 12FQ7's, and two 5AR4 tubes. 60 W cont x 1 into 4/8 ohms from 20-20,000 Hz. 9 1/4 x 6 x 14 3/8 in; 30 lb ..... \$948

**ROTEL**

**RB990BX 200-W/ch Amplifier**

2 channels. Features power transformers with separate rectifiers and filter capacitors. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. FR 4-100,000 Hz +0.5 dB, -3 dB; S/N 120 dB (IHF A); damping factor 1,000 into 8 ohms from 20-20,000 Hz. 17 $\frac{3}{8}$  x 4 $\frac{3}{4}$  x 14 $\frac{3}{4}$  in; 32.5 lb . . . . . \$1,100

**RB980BX.** As above, 120 W x 2 or 360 x 1 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 17 $\frac{3}{8}$  x 4 $\frac{3}{4}$  x 12 $\frac{3}{4}$  in; 22.4 lb . . . . . \$600

**RB960BX 60-W/ch Amplifier**

2 channels. Features dual power transformers with separate rectifiers and filter capacitors. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD or 180 x 1 cont avg into 8 ohms. FR 15-100,000 Hz +0, -1 dB; S/N 116 dB (IHF A); damping factor 280 into 8 ohms from 20-20,000 Hz . . . . . \$370

**JEFF ROWLAND**

**Model 9 300-W Mono Amplifier**

1 channel. Features AC power supply in separate chassis; 20 insulated-gate bipolar output transistors; four 750-VA toroidal transformers; no negative feedback. 2 unbalanced RCA and 2 balanced XLR inputs; 2 pair binding posts. 300 W x 1 into 8 ohms, 600 x 1 into 4 ohms, or 900 x 1 into 2 ohms. Bandwidth 0.1-160,000 Hz; slew rate 50 V/ $\mu$ s; damping factor 300 from 20-20,000 Hz. Amp: 17 $\frac{1}{2}$  x 11 $\frac{3}{8}$  x 22 in; 90 lb. Power supply: 17 $\frac{1}{2}$  x 11 $\frac{3}{8}$  x 22 in; 135 lb . . \$22,000  
With DC power supply. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 300 x 2 into 2 ohms . . . . . \$27,000

**Model 8 200-W/ch Amplifier**

2 channels. FET front-end circuitry and bipolar outputs; no negative feedback; toroidal power supply. Unbalanced RCA and balanced XLR inputs. Selectable 26/32-dB gain; input mute and phase switches. 200 W x 2 cont avg into 8 ohms, 400 x 2 into 4 ohms, or 600 x 2 into 2 ohms. Bandwidth 0.1-200,000 Hz; THD 0.02% at 1,000 Hz; slew rate 100 V/ $\mu$ s; damping factor 250; S/N 120 dB . . . . . \$8,800

**Model 1 60-W/ch Amplifier**

2 channels. Features differential FET circuitry; 600-VA toroidal transformer. Single-ended balanced inputs. Selectable gain. 60 W cont avg x 2 into 8 ohms, 120 x 2 into 4 ohms, or 215 x 2 into 2 ohms. FR 0.3-300,000 Hz +3 dB; THD 0.25% at 1,000 Hz; slew rate 70 V/ $\mu$ s; damping factor 200 from 20-20,000 Hz; input imp 600, 20 kilohms or 100 kilohms . . . . . \$3,100

**SESCOM**

**SH-1 MkII 10-W/ch Headphone Amplifier**

2 channels. Features power supply with low-flux-field toroidal power transformer. Headphone jack; RCA phono jack; binding posts; one 3-pin male XLR for connection to SHB-1. Front-panel level controls. 10 W x 2 cont avg into 8 ohms; FR 20-20,000  $\pm$  1 dB; distortion 0.1%; S/N 93 dB. 19 x 1 $\frac{3}{4}$  x 5 in. . . . . \$315

**SHB-1 MkII.** Connector box for above. Features looping inputs and outputs with male/female XLR connectors and RTS jacks; six headphone outputs with isolation resistors . . . . . \$125

**PO-3 2-W/ch Headphone Amplifier**

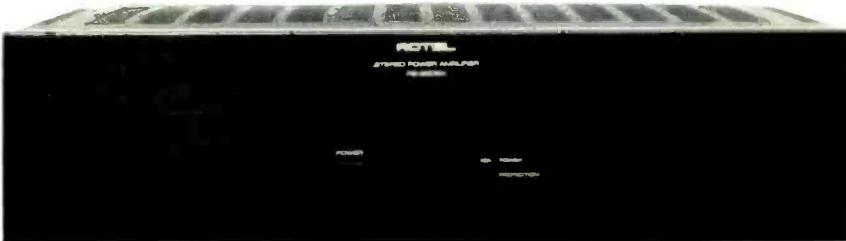
2 channels. Features two front-panel volume controls; two RCA phono jacks; two  $\frac{1}{4}$ -in speaker jacks. 2 W x 2 into 8 ohms for -10 dBV level; input imp 10 kilohms. Requires PO-1 power supply . . . . . \$92

**SONANCE**

**Sonamp 260 60-W/ch Amplifier**

2 channels. Features discrete circuitry; short-circuit protection; 2-ohm stability. Input level controls; RCA line-level output; 5-way binding posts. Defeatable remote-turn-on lead; status indicator lights. 60 W x 2 cont avg into 8 ohms. 16 $\frac{3}{4}$  x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in . . . . . \$349

**Sonamp 260x3.** As above, with switching for 3 speaker pairs . . . . . \$399



Rotel RB990BX

**SONETIC**

**SA Series**

**SA-650 365-W/ch Amplifier**

2 channels. Features fully complementary design; 2-speed cooling fan; short-circuit and DC-offset protection; subsonic filter; direct-mounted power transistors. Active balanced inputs;  $\frac{1}{4}$ -in RTS and barrier-strip input connectors. Clipping indicators; mono-bridging switch. 365 W x 2 into 8 ohms. Dynamic headroom 1.9 dB at 8 ohms; sens 34 dB; FR 20-20,000 Hz +0, -1 dB; damping factor 200 W at 8 ohms. 19 x 7 x 10 $\frac{7}{8}$  in; 54 lb . . . . . \$998

**SA-425.** As above, 240 W x 2. Sens 32 dB. 19 x 5 $\frac{1}{4}$  x 9 $\frac{1}{2}$  in; 34 lb . . . . . \$698

**SA-185.** As above, without 2-speed fan. 110 W x 2. Sens 29 dB. 19 x 5 $\frac{1}{4}$  x 9 $\frac{1}{2}$  in; 24 lb . . . . . \$578

**SONOGRAPHE**

**SA150 120-W/ch Amplifier**

2 channels. Features MOSFET output stage. 120 W x 2 into 8 ohms. 17 x 5 $\frac{1}{4}$  x 13 in . . . . . \$995

**SONY**

**ES Series**

**TA-N80ES 200-W/ch Amplifier**

2 channels. Features discrete output transistors in triple push-pull configuration; anodized heat sinks; 520-VA power transformer; resin-cast power-supply capacitors; 2 protection circuits. Fixed and variable inputs; balanced XLR inputs. AB speaker switching; variable L/R input sens. 200 W x 2 cont into 8 ohms from 20-20,000 Hz with 0.004% THD, 270 x 2 cont into 4 ohms from 20-20,000 Hz with 0.006% THD, or 580 x 1 bridged into 8 ohms from 20-20,000 Hz with 0.007% THD. Dynamic headroom 2.8 dB at 4 ohms; damping factor 100 into 8 ohms at 1,000 Hz. Simulated-wood side panels. 18 $\frac{5}{8}$  x 7 $\frac{3}{8}$  x 17 $\frac{3}{8}$  in; 52.9 lb . . . . . \$1,200

**TA-N55ES 110-W/ch Amplifier**

2 channels. Features discrete output transistors in push-pull configuration; resin-cast power-supply capacitors; 2 protection circuits. Fixed and variable inputs. AB speaker switching. 110 W x 2 cont into 8 ohms from 20-20,000 Hz with 0.004% THD, 150 x 2 cont into 4 ohms from 20-20,000 Hz with 0.006% THD, or 300 x 1 into 8 ohms from 20-20,000 Hz with 0.007% THD. Dynamic headroom 2.8 dB at 4 ohms; damping factor 100 into 8 ohms at 1,000 Hz. Simulated-wood side panels. 18 $\frac{5}{8}$  x 6 x 14 $\frac{1}{2}$  in . . . . . \$500

**TA-N220 180-W Amplifier**

4 channels. 4 banana-plug speaker terminals. 2 input-sens controls; status indicators. 45 W x 4, 100 x 2, or 45 x 2 + 100 x 1 cont into 8 ohms from 20-20,000 Hz with 0.08% THD. FR 7-100,000 Hz +0, -2 dB; S/N 90 dB. Simulated-wood side panels. 18 $\frac{5}{8}$  x 5 $\frac{3}{8}$  x 14 $\frac{1}{2}$  in; 20.4 lb . . . . . \$350

**SOUND ENGINEERING**

**PFM-3B 150-W/ch Power Amplifier**

2 channels. MOSFET amplifier. Features high damping. 150 W x 2 . . . . . \$2,150

**SOUNDSTREAM**

**DA-1 THX 200-W Mono Amplifier**

1 channel. Features discrete Darlington transistor circuitry. Dual overload indicators. 200 W x 1 into 8 ohms or 300 x 1 into 4 ohms. FR 20-20,000 Hz  $\pm$  0.01 dB; bandwidth 2-100,000 Hz; slew rate 35 V/ $\mu$ s; S/N 110 dB; dynamic headroom 3 dB. 5 $\frac{7}{8}$  x 17 x 14 in; 35 lb . . . . . \$1,195

**SA-100 50-W/ch Amplifier**

2 channels. Features hideaway design for multiroom applications; 1-ohm stability. Remote speaker switching via RSS-2 selector. 50 W x 2 into 4 ohms, 90 x 2 into 2 ohms, or 180 x 1 into 4 ohms . . . . . \$399

**SPECTRASCAN**

**BPA-1Q1B 100-W/ch Amplifier**

2 channels. Features proprietary multiple feedback loops; DC-coupling with highly regulated power supply; protection circuitry, LR clipping indicators. 100 W x 2 or 350 x 1 into 8 ohms, 174 x 2 into 4 ohms. FR 2-120,000 Hz; THD 0.07%; S/N 98 dB; IM 0.07%; slew rate 40 V/ $\mu$ s; damping factor 200. 19 x 5 $\frac{1}{4}$  x 14 in; 40 lb . . . . . \$1,895

**STAX KOGYO**

**DMA-X2 600-W Mono Amplifier**

1 channel. Class A circuitry; 2 non-NFB dynamic power supplies in output stage; balanced amplification with DC servo; subsonic filter. Balanced and unbalanced inputs. Variable sens. 600 W x 1 into 8 ohms with 0.1% THD. FR 0.8-220,000 Hz; S/N 116 dB. 18 $\frac{1}{4}$  x 9 $\frac{1}{8}$  x 21 $\frac{7}{8}$  in; 104 lb . . . . . \$30,000/pr

**SUMO**

**The Ten 100-W/ch Amplifier**

2 channels. Class A MOSFET design. Proprietary MOSFET linearization circuit; no negative feedback. Four sets of gold-plated binding posts for biwiring; balanced XLR or single-ended RCA inputs. 100 W x 2 into 8 ohms or 350 x 1 into 4 ohms with 0.1% THD. Damping factor 100. 19 x 7 x 22 $\frac{1}{2}$  in . . . . . \$2,599

**Andromeda II 240-W/ch Amplifier**

2 channels. Class AB MOSFET design; fully balanced path from input to output; pure Class A operation except for Class AB output stage. 240 W x 2 into 8 ohms, 400 x 2 into 4 ohms. THD 0.05% into 8 ohms, 0.1% into 4 ohms; rise time 2  $\mu$ s; slew rate 115 V/ $\mu$ s; damping factor 500. 19 x 7 x 16 $\frac{3}{4}$  in; 55 lb . . \$1,599

**Polaris II 120-W/ch Amplifier**

2 channels. Class AB MOSFET design. Features proprietary MOSFET linearization circuit; pure Class A gain stage. 120 W x 2 or 350 x 1 into 8 ohms. 50 amperes peak/ch; THD 0.05% into 8 ohms, 0.1% into 4 ohms; rise time 2  $\mu$ s; damping factor 500. 19 x 5 $\frac{1}{4}$  x 10 in; 35 lb . . . . . \$799

**Ulysses 60-W/ch Amplifier**

2 channels. Class AB MOSFET design. Proprietary Class-A gain stage. 60 W x 2 or 180 x 1 into 8 ohms. FR 20-20,000 Hz; THD 0.05%; input Imp 47 kilohms; damping factor 500; slew rate 85 V/ $\mu$ s; rise time 2  $\mu$ s. 19 x 3 $\frac{1}{2}$  x 13 in; 25 lb . . . . . \$579

**SUPERPHON**

**SA-120 60-W/ch Amplifier**

2 channels. Symmetrical circuitry in dual-mono configuration; high slew-rate differential Class A gain circuit; 40,000- $\mu$ F storage capacitance; OFHC Teflon-insulated wiring. Gold-plated RCA connectors; 5-way binding posts. 17 x 4 $\frac{1}{4}$  x 12 $\frac{1}{2}$  in; 18 lb ..... \$499

**SYMETRIX**

**A220 20-W/ch Amplifier**

2 channels. Dual-tracking, dual independent, or bridged-mono modes. Designed for near-field monitoring and headphones. Balanced and unbalanced inputs; barrier strip terminals. 20 W x 2 or 40 x 1 into 8 ohms ..... \$349

**TARA LABS**

**Passage Power 100-W/ch Tube Amplifier**

2 channels. Vacuum-tube input and driver stages; dual-mono construction; MOSFET output stage. 12AU7 vacuum tubes; Space & Time wiring; gold-plated RCA connectors and binding posts. 100 W x 2 into 8 ohms. FR 1-100,000 Hz ..... \$1,250

**THRESHOLD**

**SA/12e Stasis 250-W Mono Amplifier**

1 channel. Features JFET in front-end signal path; binary topology with Class-A voltage amp; proprietary optical-bias technology; DC-coupled front-end gain stages biased for Class-A operation at all signal levels; 64 high-speed 250-W output devices/ch; two 1,200-W toroidal transformers; thermal protection circuitry. Unbalanced RCA and 600-ohms balanced XLR. 250 W x 1 into 8 ohms with 0.1% THD. Slew rate 50 V/ $\mu$ s; 70 amperes/ch cont, 200 amperes/ch max; S/N 100 dB. 19 x 8 $\frac{3}{4}$  x 27 in; 120 lb ..... \$7,200

**SA 4e Stasis 100-W/ch Amplifier**

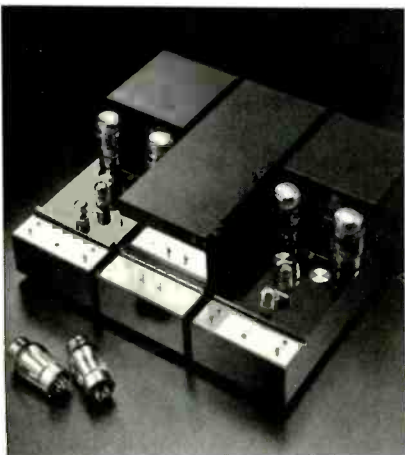
2 channels. Features Class-A operation; 24 high-speed 250-W output devices/ch; two 800-W toroidal transformers; 31,000- $\mu$ F front-end decoupling/ch. 100 W x 2 into 8 ohms with 0.1% THD. 35 amperes/ch cont, 120 amperes/ch max ..... \$6,300

**S/550e Stasis 250-W/ch Amplifier**

2 channels. 24 high-speed 250-W output devices/ch; two 800-W toroidal transformers; 31,000- $\mu$ F front-end decoupling/ch. 250 W x 2 into 8 ohms with 0.1% THD. Slew rate 50 V/ $\mu$ s; 30 amperes/ch cont, 100 amperes/ch max; output imp 0.03 ohm from 20-20,000 Hz. 19 x 8 $\frac{3}{4}$  x 23 $\frac{1}{4}$  in; 97 lb ..... \$6,300

**SA/10e Stasis 175-W Mono Amplifier**

1 channel. Class-A operation; single 1,200-W toroidal transformer; 62,000- $\mu$ F front-end decoupling; 44 high-speed 250-W output devices. 175 W x 1 into 8



VAC PA60C

ohms with 0.1% THD. 60 amperes/ch cont, 200 amperes/ch max. 19 x 8 $\frac{3}{4}$  x 17 $\frac{1}{4}$  in; 79 lb ..... \$5,200

**S/450e Stasis 200-W/ch Amplifier**

2 channels. Features single 1,200-toroidal transformer; 31,000- $\mu$ F front-end decoupling/ch; 22 high-speed 250-W output devices/ch. 200 W x 2 into 8 ohms with 0.1% THD. 30 amperes/ch cont, 120 amperes/ch max. 19 x 8 $\frac{3}{4}$  x 17 $\frac{1}{4}$  in; 79 lb ..... \$5,200

**SA 6e Stasis 125-W Mono Amplifier**

1 channel. Features Class-A operation; single 800-W toroidal transformer; 1,900- $\mu$ F front-end decoupling; 28 high-speed 250-W output devices. 125 W x 1 into 8 ohms with 0.1% THD. 50 amperes/ch cont, 135 amperes/ch max. 19 x 8 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 56 lb ... \$3,950

**SA/3.9e Stasis 60-W/ch Amplifier**

2 channels. Features Class-A operation; single 800-W toroidal transformer; 950- $\mu$ F front-end decoupling/ch; 14 high-speed 250-W output devices/ch. 60 W x 2 into 8 ohms with 0.1% THD. 30 amperes/ch cont, 95 amperes/ch max. 19 x 8 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 56 lb ... \$3,490

**S/350e Stasis 150-W/ch Amplifier**

2 channels. Features single 800-W toroidal transformer; 950- $\mu$ F front-end decoupling/ch; 14 high-speed 250-W output devices/ch. 150 W x 2 into 8 ohms with 0.1% THD. 25 amperes/ch cont, 100 amperes/ch max ..... \$3,490

**VAC**

*The following amplifiers use an external 6 x 7 $\frac{3}{4}$  x 16-in power supply.*

**PA90C 90-W Mono Tube Amplifier**

1 channel. Features switchable triode operation via 4 Golden Dragon EL34 tubes; Class A circuitry; fully-regulated power supply; low 8-dB-feedback design; hand wiring. 90 W x 1 into 8, 4, or 2 ohms. Black-lacquer finish. 140 lb ..... \$5,190/pr

**PA60C 60-W Mono Tube Amplifier**

1 channel. Features switchable triode operation via 4 Golden Dragon EL34 tubes; Class A circuitry; fully-regulated power supply; low 8.3-dB-feedback design; hand wiring. Balanced inputs, bias meter, and energy-storage module optional. 60 W x 1 into 8, 4, or 2 ohms with 0.35% THD. FR 12-58,000 Hz +0, -0.5 dB. Black-lacquer finish. 140 lb ..... \$4,690/pr  
**PA45C.** As above, 45 W x 1. 122 lb ..... \$4,290  
**PA60C Stereo.** Stereo version of PA60C. 60 W x 2. 105 lb ..... \$3,890  
**PA45C Stereo.** As above, 45 x 2. 87 lb ..... \$3,490

**Vintage Series**

**Model 70 70-W Mono Tube Amplifier**

1 channel. Features one 12AX7A, one 12AU7A, and four Golden Dragon EL34 tubes. 70 W x 1 into 8 ohms. 6 x 7 $\frac{3}{4}$  x 16 in; 75 lb ..... \$2,690/pr

**Williamson 35-W/ch Tube Amplifier**

2 channels. Features Williamson-type circuitry with four 12AU7A and four Golden Dragon EL34 tubes; extended headroom. 35 W x 2 into 8, 4, or 2 ohms. 6 x 7 $\frac{3}{4}$  x 16 in; 40 lb ..... \$1,790

**WOLCOTT**

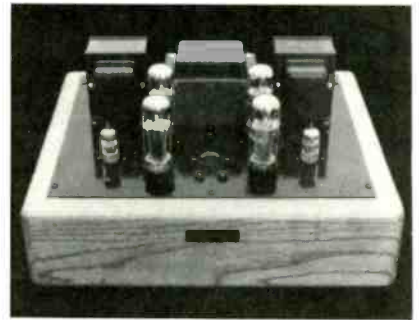
**Presence 175-W Mono Tube Amplifier**

1 channel. Features microprocessor and 8-bit D/A converter; vacuum-tube signal path; negative/positive feedback design; AC coupled stage; tertiary winding; identical open/closed loop internal bandwidth. 175 W x 1 into 8 ohms or 200 x 1 into 4 or 2 ohms. FR 20-20,000 Hz +0.5 dB; THD 0.05%; damping factor 100 dB at 20,000 Hz; S/N 100 dB; gain 26 dB. \$3,000

**WOODSIDE/RADFORD**

**MA50 50-W Mono Tube Amplifier**

1 channel. Class A design; pentode-triode phase splitter; isolated regulated power supplies; 12-am-



Wright Audio P-75A

pere peak output. 50 W x 1 cont avg into 8 ohms or 75 x 1 into 4 ohms from 20-20,000 Hz with 0.2% THD. S/N 95 dB. 16 $\frac{3}{4}$  x 8 $\frac{3}{4}$  x 10 $\frac{3}{4}$  in; 36 lb ..... \$4,495/pr

**STA35 35-W/ch Tube Amplifier**

2 channels. Class AB design; pentode-triode phase splitter; isolated regulated power supplies; 12-ampere peak output. 35 W x 2 cont avg into 8 ohms or 50 x 2 into 4 ohms from 20-20,000 Hz with 0.2% THD. S/N 90 dB. 16 $\frac{3}{4}$  x 8 $\frac{3}{4}$  x 10 $\frac{3}{4}$  in; 36 lb ..... \$2,395

**WRIGHT AUDIO**

**P-75A 40-W/ch Tube Amplifier**

2 channels. Features hand wiring; choke-filtered 800-mF power supply. Binding posts. 40 W x 1 into 8 ohms. Sens 1.4 V input for 40 W output. Solid red-oak base. 3-year warranty ..... \$785

**YAMAHA**

**MX-2000 130-W/ch Amplifier**

2 channels. Class A design using 8 MOSFET's; 3 independent power supplies; error-correction system; copper-plated chassis with 2-box construction. Analog peak-level meters. 130 W x 2 into 8 ohms with 0.003% THD or 600 x 2 into 1 ohm ..... \$1,899

**MX-1000U 260-W/ch Amplifier**

2 channels. Features 600,000- $\mu$ F power-supply capacitance; banana-plug output terminals. A/B/C speaker switching; independent L/R level controls; 4-digit numerical power-output display; 26-segment LED power-level meters; LED meter and digital peak-hold display. 260 W x 2 into 8 ohms with 0.003% THD ..... \$1,199

**MX-830 170-W/ch Amplifier**

2 channels. Features banana-plug output terminals. A/B/C speaker switching; independent L/R level controls; clipping indicators. 170 W x 2 into 8 ohms or 600 x 1 into 1 ohm. THD 0.003% ..... \$699

**MX-630 135-W/ch Amplifier**

2 channels. Features banana-plug output terminals. A/B speaker switching; independent L/R level controls; clipping indicators. 135 W x 2 into 8 ohms or 500 x 1 into 1 ohm. THD 0.003% ..... \$499

**MX-460 80-W/ch Amplifier**

2 channels. Features input-to-output symmetrical design; direct ground-sensing circuit; dual extruded heat sinks. 5-way binding posts. A&B speaker switching; independent L/R level controls. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.012% THD. S/N 123 dB. 17 $\frac{1}{8}$  x 5 $\frac{7}{8}$  x 15 $\frac{3}{8}$  in; 25 lb ..... \$349

**MX-35 80-W Amplifier**

4 channels. Features independent level controls. 20 W x 4 with 0.07% THD or 40 x 2 with 0.05% THD both into 8 ohms from 20-20,000 Hz ..... \$299

**MX-M70 50-W Mono Amplifier**

1 channel. Designed to power center-channel speaker. Features clipping indicator. 50 W x 1 rms into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 117 dB ..... \$199

**ACOUSTIC RESEARCH**

**Limited Preamplifier**

Features XLR and RCA connectors. 15 lb ... \$1,200

**ACURUS**

**L10 Preamplifier**

6 inputs; 2 outputs; gold-plated connectors. Features discrete Class A circuitry; polypropylene capacitors; silver-to-silver switch contacts; glass-epoxy circuit board; 1% metal-film resistors. 17 x 3 x 9 in. ... \$595

**ADCOM**

**GFP-565 Preamplifier**

5 line-level inputs; 1 MM/MC phono input; 3 outputs including 1 direct-coupled output; signal-processor loop. Features Class A circuitry; 1% Roederstein metal-film resistors and metallized-film capacitors on double copper-plated, glass-epoxy printed circuit board; separate headphone amplifier. Rec-out selector; loudness control. FR 5-90,000 Hz  $\pm 0.5$  dB; THD 0.009% phono, 0.0025% line; S/N 95 dBA phono, 100 dBA line; ch sep 75 dB at 1,000 Hz. Black. 17 x 3 x 11 $\frac{3}{8}$  in; 11 lb ... \$800  
**GFP-565W.** As above, white front panel ... \$850

**GTP-500II Preamplifier/Tuner**

4 line-level inputs; MM phono input; AC- and DC-coupled outputs. Features 1% Roederstein resistors in all critical applications; quartz-referenced digital-synthesis tuning; high-blend circuit. Auto up/down scan; 8 AM FM presets; 5-LED signal-strength display; remote control. Remote sensor for multiroom applications optional. FR 5-65,000 Hz  $\pm 0.5$  dB; S/N 85 dBA phono; IM 0.0015%. FM: THD 0.09% at 1,000 Hz stereo; S/N 75 dB stereo; ch sep 52 dB at 1,000 Hz. 17 x 3 $\frac{1}{4}$  x 12 $\frac{3}{4}$  in; 16 lb ... \$600  
**GTP-500IIW.** As above, white front panel ... \$650

**GFP-555II Preamplifier**

5 line-level inputs; MM and MC phono inputs; AC- and DC-coupled outputs; bypass output; signal-processor loop. Features two-sided copper-plated circuit board; 1% Roederstein resistors and film capacitors throughout; switchable phono input capacitance and gain; separate headphone amp. Tape dubbing; rec-out selector. FR 5-85,000 Hz  $\pm 0.5$  dB; S/N 90 dBA phono, 100 dBA line; THD 0.02% phono, 0.003% line. 17 x 3 x 11 $\frac{3}{8}$  in; 11.5 lb ... \$500  
**GFP-555W.** As above, white front panel ... \$550

**GTP-400 Preamplifier/Tuner**

MM/MC phono input. Features Class A phono stages. 8 AM FM station presets; rec-out selector; tone control. THD 0.01%; IM 0.005%; FR 20-20,000 Hz  $\pm 0.1$  dB; S/N: 80 dB phono, 95 dB line. FM: 50-dB quieting sens 13.5 dBf mono, 37 dBf stereo; cap ratio 1.7 dB; THD 0.1% at 1,000 Hz stereo; S/N 80 dB mono, 75 dB stereo; FR 30-15,000 Hz  $\pm 0.5$  dB. 17 x 3 $\frac{1}{4}$  x 12 $\frac{3}{4}$  in; 15 lb ... \$399  
**GTP-400W.** As above, white ... \$450

**Accessories**

**XR-500II.** Remote sensor for GTP-500II ... \$90  
**RM-3.** Rack-mount adaptors for GFP-555II and GTP-500II ... \$20/pr  
**RM-3W.** As above, white ... \$25/pr

**AIR TIGHT**

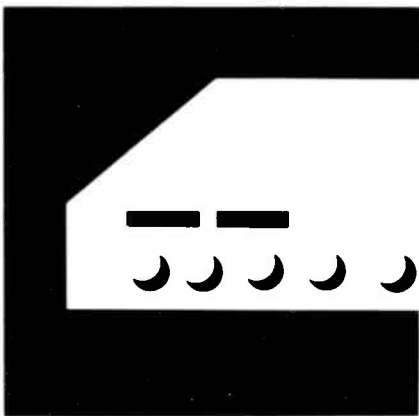
**ATC-1 Tube Preamplifier**

Phono and line-level inputs. Features five 12AX7 tubes for output stage; 3-stage K-K NF configuration equalizer; single-stage flat amp; B-power supply; no printed circuit boards; OFC wiring; EI-core power transformer. THD 0.05% phono, 0.02% line; S/N 85 dB phono, 98 dB line ... \$2,900

**AMC**

**AV81 A/V Preamplifier**

8 audio inputs, 4 composite-video inputs. Features buffered video and record outputs. Rec-select



switch; remote-controlled source selection. THD 0.01%; bandwidth 0-180,000 Hz; 16.5 dB gain at 1,000 Hz; S/N 95 dBA ... \$500

**AMERICAN HYBRID TECHNOLOGY**

**AHT/H Preamplifier.** One tape-monitor loop; balanced output optional. FR 1-1,000,000 Hz; THD 0.0015% ... \$3,300

**ARAGON**

**Aurum Preamplifier**

Features Class A circuitry; dual-mono design. Teflon dielectric wiring. Penny and Giles volume control. 19 x 3 $\frac{1}{2}$  x 14 in ... \$1,750

**Model 18K Preamplifier**

6 inputs; 2 outputs. Class A circuitry; dual-mono DC power supply; gold-plated chassis-mounted input/output connectors. 19 x 3 x 11 in ... \$995

**ARCAM**

**Delta 110 Digital Preamplifier**

1 coaxial and 1 fiber-optic digital inputs; 5 analog inputs; MC/MM phono inputs; 2 tape-monitor loops. Features 1-bit D/A converter; separate toroidal power transformers for digital and analog sections; standby mode. Record-out selector; switching for 2 speaker pairs; remote control ... \$1,500  
**Delta 110S.** As above, without digital inputs. One additional analog input ... \$1,100

**AUDIO ALCHEMY**

**PCM Preamplifier.** Features silver rotary source and mode switches; plastic rotary attenuator ... \$399

**AUDIO by VAN ALSTINE**

**FET-Valve Tube Preamplifier**

Phono inputs: 2 tape-monitor loops; 3 line-level inputs; selectable signal-processor loop; headphone jack. Features hybrid vacuum tube/MOSFET design; voltage and current-overload protection; toroidal transformer; regulated power supplies. Volume, balance, speaker-switching, and tone controls. 13 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 11 lb ... \$1,195

**Super Pas Four Omega Tube Preamplifier**

Gold-plated phono input; 5 gold-plated line-level inputs; 2 tape-monitor loops; headphone jack. Features straight-line vacuum-tube voltage gain circuits followed by solid-state current drivers; toroid transformer; regulated power supplies; 240-V operation. Volume and balance controls; ceramic selector switch. Black anodized faceplate ... \$845  
 Kit ... \$595

**Transcendence Two Preamplifier**

2 tape-monitor loops; switchable processor loop; headphone jack. Solid-state design with current-

source FET input pairs; Class A current-source pre-drivers; hybrid current amplifiers in feedback loop; regulated power supply. Chassis-mounted; defeatable tone controls; speaker selector switch. 13 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 11 lb ... \$795  
 Optional phase inverter circuits ... \$100

**AUDIO DESIGN ASSOCIATES**

**DSP-8 Preamplifier**

5 balanced inputs; 3 balanced tape loops; 1 signal-processor loop; digital source switching input; 2 outputs; 8 source-pulse outputs. Volume, balance, bass, mid, treble, source, and tape-monitor controls; 1 switched outlet. Input imp 47 kilohms; max input level  $\pm 10$  V; output imp 1,000 ohms; max output level  $\pm 10$  V; FR 5-30,000 Hz  $\pm 3$  dB; THD 0.05%; S/N 90 dB. 3 $\frac{1}{2}$  x 19 x 11 $\frac{1}{4}$  in; 8 lb ... \$1,095

**ADP-8 Preamplifier**

5 inputs; 3 tape loops; 1 signal-processor loop; 2 outputs. Volume, balance, bass, mid, treble and source controls; 1 switched AC outlet. Input imp 47 kilohms; max input  $\pm 8$  V; output imp 100 ohms; max output  $\pm 12$  V; FR 20-20,000 Hz  $\pm 0.25$  dB; THD 0.05%; S/N - 85 dB. 3 $\frac{1}{2}$  x 19 x 11 $\frac{1}{4}$  in; 8 lb ... \$995

**AUDIO INNOVATIONS**

**Series #00/II MC Tube Preamplifier**

MC/MM phono inputs. FR 20-50,000 Hz; S/N 65 dB MC, 70 dB MM ... \$2,195

**L2 Tube Preamplifier**

Line-level inputs. Features zero-feedback design; anode-follower circuits; regulated filament supplies; switchable input sens (170 mV rms high, 530 mV rms low). FR 9-100,000 Hz; input impedance 50 kilohms. 15 lb ... \$1,695  
**P2.** As above, with MM phono input ... \$1,695

**Series 200MM Tube Preamplifier**

MM phono inputs; 3 line-level inputs; tape-monitor loop; 2 outputs. Passive line-level output stage; Noble plastic-film potentiometers; Beyschlag low-magnetic metal-film resistors; 6-ohm output imp. FR 30-20,000 Hz; S/N 60 dB MM; sens 4.6 mV MM ... \$895  
**Series 200MC.** As above, MC/MM phono inputs. S/N 50 dB MC ... \$995

**Series 1000 Preamplifier**

Passive line preamp. 2 x 5 x 6 in; 1 lb ... \$395  
 With silver wiring and CD-line transformer ... \$1,495  
 With CD-line transformer ... \$1,195  
 With silver wiring ... \$795

**AUDIOLAB**

**Model #000C MkII Preamplifier**

MM, MC phono inputs; 2 tape-monitor loops. Class A operation; current mirror bias. Rec-out selectors; defeatable phase-compensated tone controls; muting switch. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 92 dB line, 81 dB MM, 77 dB MC; THD 0.01%. 17 $\frac{1}{2}$  x 3 x 13 in; 15 lb ... \$699

**AUDIO NOTE**

**M7 Tube Phono Preamplifier**

MM input. Features silver refinements; regulated power supply ... \$16,750

**M7 Tube Preamplifier**

MM phono input. Features zero feedback; silver-wired circuits; tantalum resistors; series-regulated push-pull circuit; paper-in-oil capacitors; copper chassis. FR 5-50,000 Hz; THD 0.5%; max output 30 V; sens 200 mV; sens MM phono 2 mV; S/N 80 dB MM phono ... \$10,500  
**M7 Tube/S.** As above, with silver-foil capacitors ... \$15,500

**M7 Line-Tube Preamplifier**

Features zero feedback; series-regulated push-pull circuit hand-wired with AN-V silver; tantalum resis-

tors; paper-in-oil capacitors; copper chassis . \$6,750  
**M7 Line/S.** As above, with silver-foil capacitors . \$9,750

**AUDIO RESEARCH**

**SP-15 Tube Preamplifier**

MMMC and 6 line-level inputs; 7 outputs. Features hybrid design using FET stage and 3 vacuum tubes; second chassis with toroidal power transformer. Auto muting; manual muting; bypass control; absolute-phase switch; gain and attenuation controls; front-panel MC imp selector. FR 0.1-200,000 Hz  $\pm 0$ , -3 dB; THD 0.005% at 2 V rms; s/n 110 dB; max output 80 V rms. 19 x 5 1/4 x 10 1/4 in; 29 lb . \$5,995

**SP-14 Tube Preamplifier**

7 inputs. Features hybrid design using FET's and vacuum tubes; shielded toroidal power transformer. Auto/manual muting; bypass control; gain and attenuation controls; internally adjustable phono imp and capacitance. Allows recording of one input while listening to another. FR 1-200,000 Hz -3 dB; THD 0.01% at 2 V rms; s/n 100 dB; max output 50 V rms; phono overload 200 mV rms at 1,000 Hz . \$2,995

**LS2 Tube Preamplifier**

6 line-level inputs including direct; 1 RCA. 2 XLR outputs; gold-plated input/output jacks. Features hybrid FET/tube Class A circuitry; 41-detent attenuator; gold-contact input selector switch; active feedback circuit; 3 decoupled electrolytic capacitors; auto-muting circuit. Manual muting; defeatable tape outputs. FR 1-100,000 Hz  $\pm 0.5$ , -3 dB; output 2 V rms from 1-100,000 Hz; gain 18 dB; s/n 100 dB. 3-year warranty, vacuum tubes 90-day warranty. 19 x 5 1/4 x 10 1/4 in; 13 lb . \$2,495

**SP-9 MkII Tube Preamplifier**

2 tape loops; MC phono input; gold-plated input/output jacks. Features vacuum tubes in phono and line stages; shielded toroidal power transformer; auto mute circuit. Mute switch; 2-position tape-monitor switching. FR 5-50,000 Hz  $\pm 0.5$  dB line, 20-20,000 Hz  $\pm 0.3$  dB phono; max output 2 V rms; distortion 0.01% at 2 V rms out; input imp 50 kilohms line. Black front panel optional. . \$1,875

**LS1 Tube Preamplifier**

7 inputs; gold-plated inputs/outputs. Features FET's and vacuum tubes; shielded toroidal transformer. Auto/manual muting. FR 5-50,000 Hz  $\pm 0.5$  dB; 2 V rms output (max 50 V); max input 20 V. 19 x 5 1/4 x 10 1/4 in; 12 lb . \$1,675

**AUDIOSOURCE**

**Pre-One Preamplifier**

6 FET inputs; 1 MC phono input; 2 main outputs. Electronic switching. Features bass EQ; tape-to-tape dubbing. THD 0.008%; s/n 100 dB . \$250

**AUDIRE**

The following carry a 3-yr warranty.

**Andante Preamplifier**

MC and MM phono inputs; 5 line-level inputs; 2 tape loops. Features Class A FET circuitry; dual regulated power supplies; 4 switched and 4 unswitched AC outlets. Defeatable tone controls. Frequency response 1-100,000 Hz; THD 0.005%; s/n 94 dB. 19 x 3 1/2 x 6 1/2 in; 10 lb . \$1,750

**Diffet 3 Preamplifier**

MM phono input. Features discrete circuitry; FET design; regulated power supply; MC phono input optional. FR 5-100,000 Hz; THD 0.005%; s/n 94 dB. 19 x 2 1/4 x 7 in; 7 lb . \$990

**Legato Preamplifier**

MM phono input; 5 line-level inputs; 2 tape loops; two outputs. Features regulated power supply; subsonic filter. FR 0-100,000 Hz  $\pm 0$ , -0.25 dB; s/n 90 dB. 19 x 1 3/4 x 7 in; 6 lb . \$440

**B&K**

**Sonata MC-101 Preamplifier**

6 inputs; 2 tape loops; balanced outputs. Features selectable MMC head amp; discrete DC-coupled circuit topology. Rec selector; high-cut filter; tone controls. Sens 0.8 mV MM; signal-to-noise ratio 72 dB; frequency response 1-150,000 Hz; total harmonic distortion 0.02%. 17 x 3 1/2 x 12 in; 22 lb . \$798

**Sonata Pro-10MC Preamplifier**

6 inputs; 2 line-level and balanced outputs; tape loop. Features discrete DC-coupled circuit topology; external power supply; selectable MMC head amp. Rec selector. FR 1-150,000 Hz; THD 0.02%. 17 x 3 1/2 x 12 in; 22 lb . \$698

**CS-117 Preamplifier**

4 line-level inputs; 1 switchable phono/line-level input; 2 line-level outputs; 1 balanced output; 1 tape loop. Features selectable passive mode; tone controls. FR 1-100,000 Hz; s/n 89 dB; THD 0.02%; sens 2.7 mV. 17 x 2 1/2 x 9 in; 10 lb . \$398  
**CS-115.** As above, without tone controls . \$348

**BERNING**

**TF-12-B Tube Preamplifier**

MMC phono input; 5 line-level inputs; balanced outputs. Dual-mono construction with differential tube design. Features digitally controlled switching matrix (1-dB steps over 80-dB range) for volume and balance. High-frequency resonant power supply; high-gain line section (32 dB). LED dot-matrix level displays; remote control. FR 5-100,000 Hz  $\pm 3$  dB; sens 0.38 mV for 0.5-V output at 1,000 Hz MM; sens 32 mV line . \$3,795

**TF-12-C.** As TF-12-B, with two sets of individually buffered outputs . \$3,685

**TF-12.** As TF-12-B, no balanced outputs . \$2,950

**BOULDER**

**L3AE Preamplifier**

3-pin output connectors; quasi-balanced outputs; 5 line-level inputs; 1 tape loop. Features rugged construction; gold-plated jacks. THD 0.0025% from 20-20,000 Hz; max voltage gain 59 dB MM phono, 79 dB MC phono inputs. 17 x 3 3/4 x 15 3/4; 13 lb . \$1,499

**Modular Preamp Components**

Each module has gold-plated connectors, uses a common power supply, and measures 1 1/4 x 3 1/2 x 4 1/4 in.

**Boulder Ultimate Preamplifier**

Features components MS01, MS11, MS21, and MS32 mounted in one dual frame and two single frames . \$5,299

**Boulder Complete Preamplifier**

Features components MS01, MS10, MS21, and MS31 mounted in one quad frame . \$3,199

**MS32 Output Controller Module**

Features buffered inputs; volume, and balance controls; stereo/mono and polarity switches; -20 dB mute . \$1,439

**MS11 Phono Preamp Module**

MC and MM inputs; balanced and unbalanced outputs. Optional input for low-level MC's with 20-dB gain; triple-F switchable Bessel 3-pole low-cut filter at 10, 20, or 30 Hz; max gain 60 dB. Performs RIAA EQ and gain adjust. THD 0.0025% . \$1,099  
**MS10.** As above, no Bessel filter . \$939

**MS01 Power Supply.** Powers 4 modules . \$659

**MS21 Selector Switch Module.** For phono and 5 line-level inputs. Features tape-dubbing capability . \$589

**SSMC Solid-State MC Input Module.** Bridging design with 20-dB gain . \$499

**SSBO Solid-State Balanced-Output Module.** Inverts stages for balanced output . \$329

**Preamplifier Housings**

**MF04.** Mainframe for 4 preamp modules. Full-rack size with removable ears . \$249

**MF02.** Mainframe for 2 preamp modules. Half-rack size . \$199

**MF01.** Mainframe for 1 preamp module . \$179

**MS00.** Blank panel for unused slots . \$79

**ABL Connectors.** For unbalanced to balanced input . \$99

**BRUCE MOORE AUDIO DESIGN**

**Companion Tube Preamplifier**

5 inputs; 2 outputs. Features 2 tubes; inverted polarity. s/n 86 dB below 2 V output; ch sep 84 dB at 1,000 Hz, 70 dB at 20,000 Hz; THD 0.06% at 2 V output from 10-40,000 Hz; gain 20 dB . \$1,395

**BRYSTON**

The following feature a 20-yr warranty covering parts and labor.

**Model 12B Preamplifier**

MC phono input; 5 line-level inputs; headphone jack; line-level output; 2 tape and processor loops. Source switch; tape monitoring; mute, balance, and volume controls. FR 20-20,000 Hz; THD 0.005%; high-level sens 50 mV. MC: 16.5 or 22.5 dB gain; FR 5-30,000 Hz  $\pm 0.5$  dB. 19 x 1 3/4 x 8 in; 10 lb . \$1,995  
**Model 11B.** As above, without MC stage . \$1,350

**BP4.2 Preamplifier**

2 balanced inputs and 1 balanced output. FR 22-20,000 Hz  $\pm 0.05$  dB; sens 50 mV . \$1,095

**Model .5B Preamplifier**

Phono input; 3 line-level inputs; 1 tape and 1 processor loop. Features two-stage phono section; CD input protected by volume control; no internal wiring; components plug directly into boards; volume control laser-trimmed to 0.25 dB accuracy. FR 22-20,000 Hz; max output 15 V; THD 0.005%; high-level sens 50 mV; signal-to-noise ratio 80 dBA phono, 95 dBA line. 19 x 1 3/4 x 8 in; 7 lb . \$795  
 As above, with balanced outputs . \$895  
**Model .4B.** As .5B, fourth line-level input replaces phono input . \$750

**CAMBRIDGE AUDIO**

**C100 Preamplifier**

MC and MM gold-plated phono inputs; 2 tape-monitor loops. Features toroidal power transformer; rec-defeat circuit. FR 5-130,000 Hz; s/n 75 dB MC, 80 dB MM, 94 dB line; input sens 0.5 mV MC, 4.5 mV MM, 300 mV line. 17 x 3 3/8 x 12 1/2 in; 9.9 lb . \$700

**C70 Preamplifier**

MC and MM gold-plated phono inputs; tape-monitor loop; dual active and passive outputs. Toroidal power transformer; passive EQ in RIAA stage. Passive defeatable tone controls. FR 10-140,000 Hz; s/n 75 dB MC, 80 dB MM, 95 dB line; input sens 0.5 mV MC, 4.5 mV MM, 300 mV line . \$500

**CARVER**

Models with Sonic Holography use proprietary circuitry to enhance sound-stage ambience. Models with ACCD feature multipath rejection circuitry.

**Model One Tube Preamplifier**

2 tape-monitor loops; gold-plated connectors. Features 6080-tube regulated power supply; separate MC and MM head amps with jacks to configure MC resistor loading; infrasonic filter. Bass/treble tone control; bypass switch; absolute-phase switch; line-gain control. FR 20-20,000 Hz; s/n 72 dB MC, 80 dB MM; THD 0.5%. 19 x 6 1/4 x 16 1/2 in; 26 lb . \$5,000

**C-19 Tube Preamplifier**

7 inputs including MM phono, MC phono, and CD-direct; 2 signal-processor loops; 2 tape-monitor loops



# P R E A M P L I F I E R S

with dubbing capability; one main output with solid-state transfer characteristic; one main output with vacuum-tube transfer characteristic; headphone jack. Features four 6DJ8 vacuum tubes; infrasonic filter. LR tone controls with variable turnover; adjustable gain; mono/stereo and absolute-phase switches; 6 AC outlets. FR 10-20,000 Hz  $\pm 0$ ,  $-0.3$  dB; THD 0.25%; S/N 86 dB MM, 82 dB MC ..... \$1,200

## CT-17 A V Preamp/Tuner

7 audio inputs including CD-direct; 2 video inputs with dubbing capability; 2 tape-monitor loops; signal-processor loop; video monitor output; headphone jack; remote infrared sensor input for 2-zone multiroom applications. Dolby Pro Logic decoder; Sonic Holography; ACCD; high-cut filter; motor-driven volume control. 20 AM/FM presets with scan; selectable ambience delay; simulated-stereo mode for mono sources; rec-out selector; 3-band EQ; loudness and balance controls; mono/stereo and auto/manual switches; signal-strength indicator; 4 AC outlets; remote control with rear-channel level control. FR 20-20,000 Hz  $\pm 1$  dB; THD 0.008%; S/N 80 dB MM. FM: IHF sens 14.3 dB; cap ratio 1.9 dB; AM rej 62 dB; all-ch sel 72 dB; ch sep 46 dB and THD 0.18% at 1,000 Hz; S/N 74 dB stereo. 19 x 4 x 12 $\frac{3}{4}$  in ..... \$800

## C-16 Preamp/Tuner

8 inputs including MM and MC phono; 2 signal-processor loops; 2 tape-monitor loops with dubbing capability; 2 main outputs; headphone jack. Features Sonic Holography; LR tone controls with variable turnover; infrasonic-filter, mono/stereo, and absolute-phase switches; 6 AC outlets. FR 10-20,000 Hz  $\pm 0$ ,  $-0.3$  dB; THD 0.01%; S/N 84 dB MM, 88 dB MC ..... \$650

## CT-3 Preamp/Tuner

6 audio inputs; 3 video inputs; 2 video outputs; pre-out/main-in loop; switchable cable/antenna inputs. Features Sonic Holography; ACCD; motor-driven volume control. 30 AM/FM presets with scan; auto/manual tuning; signal-strength indicator; bass, treble, and balance controls; sleep timer; 2 AC outlets; remote control. FR 20-20,000 Hz  $\pm 1$  dB. FM: cap ratio 2.2 dB; AM rej 62 dB; all-ch sel 65 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo ..... \$450

## Pro-Phile Series

### CT-6 Preamp/Tuner

6 audio inputs; 2 tape-monitor loops with dubbing capability; headphone jack. Features Sonic Holography; ACCD; motor-driven volume control. 20 AM/FM presets with scan; auto/manual tuning; FM-mono switch; bass, treble, balance, and loudness controls; 3-level signal-strength indicator; 4 AC outlets; remote control. FR 20-20,000 Hz  $\pm 1$  dB; THD 0.008%; S/N 78 dB MM. FM: IHF sens 14.3 dB; cap ratio 1.9 dB; AM rej 62 dB; all-ch sel 72 dB; ch sep 46 dB and THD 0.25% at 1,000 Hz; S/N 74 dB stereo. 19 x 1 $\frac{3}{4}$  x 10 in ..... \$580

### C-5 Preamp/Tuner

8 audio inputs; 2 tape-monitor loops with dubbing capability; CD-direct input; headphone jack; mini-phone remote-sensor input for 2-zone multiroom applications. Features Sonic Holography; motor-driven volume control. Bass, treble, balance, and loudness controls; 4 AC outlets; remote control. FR 20-20,000 Hz  $\pm 1$  dB; THD 0.008%; S/N 78 dB MM. 19 x 1 $\frac{3}{4}$  x 10 in ..... \$500

### C-3 Preamp/Tuner

8 audio inputs; 2 tape-monitor loops with dubbing capability; signal-processor loop; CD-direct input; headphone jack. Features Sonic Holography. Defeatable bass and treble controls; balance and loudness controls; 2 AC outlets. FR 10-100,000 Hz  $\pm 0$ ,  $-0.1$  dB; THD 0.008%; S/N 75 dB MM ..... \$350

## CARY

### SLP-90 Tube Preamp/Tuner

2 gold-plated inputs/outputs; MC phono input. Features Class-A tube circuitry; metal-film resistors;

polystyrene and polypropylene capacitors; 8 Gold Aero premium tubes; silver wire; transformers enclosed in separate power pack. S/N 88 dB; output imp 800 ohms. 12 $\frac{1}{2}$  x 5 x 12 in; 22 lb ..... \$2,295  
**SLP-90L**. As above, without phono stage ..... \$1,695

### SLP-70 Tube Preamp/Tuner

Gold-plated inputs/outputs; phono input. Features cathode follower output; Class-A tube circuitry; metal-film resistors; polystyrene and polypropylene capacitors; dual regulated 12-V dc power supply; 6 tubes. Volume and balance controls. S/N 88 dB; output imp 800 ohms. 16 $\frac{1}{2}$  x 4 x 11 $\frac{1}{2}$  in ..... \$1,295  
**SLP-70**. As above, without phono stage ..... \$995

### PD-1 Preamp/Tuner

2 variable-level outputs; 1 fixed-level output. Features input selector board; 6 gold-plated DPDT 12-V dc relays; passive circuit design; toroidal power transformer. 12 x 2 $\frac{3}{4}$  x 9 in; 11 lb ..... \$595

**Penny and Giles Volume Control**. Available for any of the above ..... \$350

## CELLO

### Encore Preamp/Tuner

8 single-ended line-level inputs; buffered tape outputs; 2 single-ended balanced line-level outputs; 2 tape-monitor loops; phono input; 36-, 46-, or 60-dB gain; choke-input power supply; phase switch \$8,000

### The Palette Preamp/Tuner

4 unbalanced inputs; 2 unbalanced fixed-level outputs; 1 unbalanced and 1 balanced outputs; 2 tape-monitor loops. External power supply; 6 tone controls. FR 20-20,000 Hz  $\pm 2$  dB; THD 0.005%; max output 9 V ..... \$6,500

### Etude Preamp/Tuner

4 RCA inputs; 1 RCA output. 4-position input selector; 58-position output attenuator. 9 $\frac{1}{2}$  x 3 $\frac{3}{8}$  x 8 in; 31 lb ..... \$1,500

### Audio Suite

Modular system built around an open-architecture mainframe that accepts up to 10 slide-in vertical modules (listed below). Designed for monitoring, mastering, and live recording. Can control multiroom and multimedia systems.

<b>P101</b> . MC phono input	\$3,800
<b>P301</b> . Output	\$3,800
<b>P201</b> . CD Input	\$2,800
<b>P201</b> . DAT input	\$2,800
<b>P201</b> . Digital processor input	\$2,800
<b>Master Power Supply</b> . 120 V	\$2,700
<b>P100</b> . MM phono input	\$2,250
<b>P100</b> . High-gain MM phono input	\$2,525
<b>Mainframe Chassis</b>	\$2,000
<b>B301</b> . Output	\$2,000
<b>P200</b> . Tape input	\$1,700
<b>P200</b> . CD input	\$1,700
<b>P200</b> . Tuner input	\$1,700
<b>P200</b> . Aux input	\$1,700
<b>P200</b> . Video input	\$1,700
<b>P200</b> . DAT input	\$1,700
<b>B100</b> . MM phono input	\$1,700
<b>B100</b> . MC phono input	\$1,700
<b>B200</b> . RCA line-level input	\$950

## CLASSE AUDIO

### Classé Six Preamp/Tuner

MM/MC phono, balanced, and 5 line-level inputs; balanced, single-ended, and buffered tape outputs. Features polystyrene and polypropylene capacitors; toroidal transformer. Input, mode, and bypass selectors; tape-monitor and mute switches. FR 20-20,000 Hz  $\pm 0.1$  dB; input imp 50 kilohms; output 27 V; S/N 95 dB line. 85 dB phono; THD 0.1%. Satin black and soft shadow silver. 19 x 14 $\frac{3}{4}$  x 6 in ..... \$3,295  
 Without phono stage ..... \$2,995

**Classé Five**. As Classé Six, 24-V output ..... \$2,295  
 Without phono stage ..... \$2,100  
**Classé Four**. As Classé Five, without bypass selec-

tor; output 20 V. 19 x 12 $\frac{3}{8}$  x 3 $\frac{3}{8}$  in ..... \$1,595  
 Without phono stage ..... \$1,495

## CONRAD-JOHNSON

### Premier Seven Tube Preamp/Tuner

Features all-tube dual-mono design; separate power supplies for each channel; four 6CW4 nuvistors; eight 6GK5 single triodes; zero-feedback design with 3 gain blocks per channel; 8 discrete regulated dc power supplies; solid-silver internal signal-path wiring. FR 2-100,000 Hz; THD 0.5% at 1 V output; gain 40 dB phono, 25 dB line; max output 20 V rms; output imp 200 ohms. 60 lb ..... \$9,995  
**Evolution 20**. As above, mono design. 19 x 7 x 15 $\frac{1}{4}$  in; 37 lb ..... \$4,995  
**Premier Ten**. As Evolution 20, without phono stage. 19 x 5 $\frac{3}{4}$  x 15 $\frac{1}{4}$  in; 30 lb ..... \$3,495

### PV11 Tube Preamp/Tuner

2 tape loops. Features cathode follower outputs and solid-state voltage regulator designed for minimal ac impedance; regulated filament power supplies; audio circuits with 1% tolerance; mil-spec deposited tin-oxide resistors; polystyrene capacitors; volume control tracks within 0.5 dB; auto turn-on/off mute. FR 2-100,000 Hz; THD 0.5%; hum and noise 72 dB below 10 mV input phono, 84 dB below 2.5 V output line; max output 40 V rms; output imp 200 ohms. 16 x 3 $\frac{3}{4}$  x 10 in; 15 lb ..... \$1,895  
**PV11L**. As PV11, without phono stage ..... \$1,495

### PF1 Preamp/Tuner

1 phono and 4 line-level inputs. All-FET design with distortion cancelling circuit; polypropylene and polystyrene audio circuitry; power-supply capacitors; metal-film resistors. FR 2-75,000 Hz  $\pm 0$ ,  $-3$  dB; THD 0.1%; max output 10 V; line gain 21 dB; phono gain 40 dB. 19 x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 15.5 lb ..... \$1,395

### PV10 Tube Preamp/Tuner

1 phono and 5 line-level inputs; 1 tape-monitor loop. Features zero-feedback circuits in both line and phono stages; 2 triode amps separated by passive RIAA EQ network; 5 vacuum tubes; discrete regulated power supply with polypropylene and polystyrene capacitors. Balance-bypass switch. THD 0.01%; hum and noise (20-20,000 Hz) 72 dB below 10 mV input phono, 84 dB below 2.5 V output line; output imp 500 ohms. 16 x 11 x 3 $\frac{3}{4}$  in ..... \$995

## COUNTERPOINT

### SA-11 Tube Preamp/Tuner

6 line-level inputs; 1 video input. Features industrial-grade stepper motors controlling 2 custom 41-position attenuators; vacuum-tube power supply and audio circuitry. Remote control. FR 1.5-70,000 Hz; THD 0.02%; S/N 82 dB at 500 mV, 1,000 Hz ..... \$7,595

### SA-5000 Tube Preamp/Tuner

MC and MM phono inputs; 5 line-level inputs. Tube/solid-state design; separate-chassis regulated tube power supply; absolute-phase control; adjustable phono gain; buffered output. FR 4-60,000 Hz  $\pm 0.1$  dB; THD 0.01%. 19 x 4 $\frac{1}{2}$  x 12 $\frac{3}{8}$  in; 39 lb ..... \$3,595  
**SA-3000**. As above. FR 8-40,000 Hz  $\pm 0.1$  dB; 22 lb ..... \$1,995  
**SA-2000**. As above, without phono inputs ..... \$1,495

### SA-1000 Tube Preamp/Tuner

MC/MM phono inputs; 3 line-level inputs. 3-tube/solid-state hybrid circuitry. FR 2-170,000 Hz  $\pm 0.1$  dB; THD 0.065%; S/N 83 dB. 19 x 4 $\frac{1}{2}$  x 12 $\frac{3}{8}$  in; 20 lb ..... \$995

### Soild-8 Preamp/Tuner

6 line-level inputs; 2 tape loops. Features FET design. FR 1-500,000 Hz  $\pm 1$  dB; THD 0.03%; S/N 87 dB. 19 x 2 $\frac{1}{4}$  x 10 in; 14 lb ..... \$895

## CROWN INTERNATIONAL

### PSL-2 Preamp/Tuner

Features subsonic filter; loudness circuit; auto mute protect. Defeatable tone controls; balance control;

overload, rumble, and signal-presence indicators; tape dubbing; adjustable phono input gain. FR 10-50,000 Hz  $\pm$  0.25 dB; THD 0.009% from 20-20,000 Hz; S/N 103 dB; input sens 250 mV; output level 2.5 V. 19 x 1 3/4 x 1 1/2 in; 11 lb ..... \$795

**DB SYSTEMS**

**DBR-15B/2A Preamplifier**

Combines DB-1B and DB-5 in a 19-in rack unit; tone control. Includes aux cable. Rack mount ..... \$1,065  
With oak cabinet ..... \$1,215

**DB-1A/2A Preamplifier**

Features separate DB-2A regulated power supply. 20- and 36-Hz low-cut filters; 5,000- and 10,000-Hz high-cut filters. THD  $\pm$  0.0008% from 20-20,000 Hz; IM 0.001%; FR 10-40,000 Hz  $\pm$  0.07 dB phono, 2-50,000 Hz  $\pm$  0, -1 dB line; S/N 89 dBA phono, 90 dBA line; output Imp 1 kilohm; max output voltage 6 V into 10 kilohms 3,000 pF; input sens for 1 V output: 2 mV into 50,000 ohms/100 pF (phono), 120 mV into 50 kilohms (line). 5-year warranty. 8 1/2 x 3 1/4 x 7 in. \$535

**DB-1B/2A.** DB-1A with low-noise line-level stage (-94 dB ref 1 V). Features reduced crosstalk; gold-plated jacks; 80-dB Alps tracking volume control; solid-oak cabinet with hand-rubbed tung-oil finish. 12 x 3 5/8 x 7 in ..... \$740

**DBR-1B.** DB-1B mounted in 19-in rack. Includes DB-2A power supply ..... \$645

**DB-1A-HL/DB-2A.** As DB-1A, 5 line-level inputs, no phono stage. Features Alps 80-dB tracking volume control. FR 1-250,000 Hz  $\pm$  3 dB; S/N 92 dB; THD 0.0006%; sens for line-level inputs 120 mV. 3-year warranty ..... \$535

**DB-1B-HL/DB-2A.** As DB-1A-HL; lower noise (-94 dB ref 1 V). Features reduced crosstalk; gold-plated inputs/outputs; 80-dB Alps tracking volume control; loudness-compensation switch. Solid-oak cabinet with hand-rubbed tung-oil finish ..... \$620

**DENNESEN**

**JC-90 Mono Preamplifier**

MC phono input; balanced outputs. Features polarity inverter. THD 0.005%; S/N 100 dB MM, overload 500 mV ..... \$2,500

**DENON**

**PRA-2000RG Preamplifier**

Transformer-coupled MC phono input; 8 unbalanced inputs; 1 balanced input; 3 unbalanced outputs; 1 balanced output. Features FET and MOSFET circuitry; relay-type input switching; sintered-alloy feet. Rec-ord selector; 4-gang volume control with parallel sections. THD 0.005% at 1 V; S/N 105 dBA line, 90 dBA MM, 80 dBA MC; max output 10 V rms ..... \$3,000

**AVP-5000 A/V Digital Preamplifier**

4 fiber-optic and 2 coaxial digital inputs; 1 fiber-optic digital output; 11 analog inputs; 8 variable-level and 4 fixed-level analog outputs; 6 video outputs; 4 video inputs; composite and S-video inputs. Features 2 digital IC's performing preamp, sound-field processing, Dolby Pro Logic, and surround-sound functions; 2 Lambda ladder-type and 4 Ai hybrid multi/1-bit DAC converters driving analog volume control and preamp outputs; dual Sigma-Delta AD converters; separate transformers and power supplies for audio and video sections; 3-band parametric EQ; signal compression and expansion. Adjustable delay time (0-180 ms) and reverberation in surround and sound-field modes; analog-direct mode; source conversion between composite and S-video formats; FL display; programmable remote control ..... \$2,500

**DAP-5500 Digital Preamplifier**

1 fiber-optic and 2 coaxial digital inputs; coaxial digital tape-monitor loop; Cannon-type input/output; 2 RCA line-level inputs; 1 RCA line-level output; front-panel RCA inputs/outputs; 2 tape-monitor loops. Features digital section with 4x-oversampling filter and push-pull DAC converters; separate digital and analog circuitry; separate power supplies for

digital and analog sections; fiber-optic isolators. Source-direct switch. 17 1/8 x 5 1/4 x 15 in ..... \$1,500

**DAP-2500 Digital Preamplifier**

1 fiber-optic and 1 coaxial digital inputs; coaxial digital tape-monitor loop; MM MC phono inputs; 2 video inputs; 1 video output. Features digital section with 4x-oversampling filter and 4 push-pull DAC converters; fiber-optic isolators. Source-direct switch; IS system remote control ..... \$1,000

**PRA-1500 Preamplifier**

2 tape loops; balanced output; MM MC phono inputs; 2 video inputs; 1 video output; mono wideband and subwoofer outputs. Unity-gain interface; source-direct mode. IS remote control ..... \$500

**DYNACO**

**PAS-3 Series II Tube Preamplifier**

4 line-level inputs; MM phono input; 2 tape loops; signal-processor loop. Features regulated power supply; silicon rectifiers; film capacitors. Volume and balance controls; tape-dubbing capability; mono switch. FR 20-20,000 Hz  $\pm$  0.25 dB; THD 0.005% at 1,000 Hz; max output 10 V; high-level gain 20 dB; output imp 50 ohms. Black acrylic or polished-chrome faceplate. 17 x 3 1/2 x 9 in ..... \$650

**ELECTRONIC VISIONARY SYSTEMS**

**Ecstasy 3000 Preamplifier**

6 inputs. Dual-mono passive control center; active 20-dB line stage; active buffer stage. 31-position stepped attenuators. Rack mountable. THD 0.01% ..... \$1,350

**Ecstasy 2000.** As above, without 20-dB line stage. FR 0-50 MHz ..... \$1,350

**Ecstasy 1000.** As above, without active buffer ..... \$875

**Ultimate Attenuator Preamplifier**

1 or 2 inputs (balanced or unbalanced). Features passive volume controls; 1-, 12-, or 31-position stepped attenuators. Custom made to consumer's amplifier specifications ..... \$60-\$600

**ENCORE**

**DL 2010.2 Tube Preamplifier**

6 line-level inputs; MC and MM phono inputs; gold-plated inputs and outputs. Features vacuum tubes for voltage amplification of phono and line stages; no switch or potentiometer contacts in signal path; bipolar switching for signal inputs; filtered, surge-protected power source; mil-spec glass epoxy circuit board; silver-plated tube sockets. Custom-stepped volume attenuator; standby switch; LED indicators. FR 0.5-175,000 Hz  $\pm$  3 dB; THD 0.05%; gain 61 dB MC, 40 dB MM, 10 dB line; phono input imp- selectable capacitance between 47, 147, 247, or 347 pF and selectable resistance between 0-1 kilohms or 47 kilohms; line input imp 47 kilohms; CD input imp 20, 50, or 100 kilohms. 17 3/8 x 4 1/4 x 15 in; 18 lb ..... \$2,850

**DL 2010.2-L.** As above, no phono stage ..... \$2,450

**ESSENCE**

**Reference Preamplifier**

4 line-level inputs; tape output. Features bipolar Class AB circuitry; curve-traced transistors; OHFC leads; aerospace-grade components. Input selector; volume and balance control. FR 20-20,000 Hz  $\pm$  3 dB. 5-yr warranty. 19 x 14 x 8 in ..... \$4,850

**Standard.** As above, with mil-spec devices, without aerospace-grade components ..... \$2,850

**FORTÉ**

**F44 Preamplifier**

6 line-level inputs; tape-monitor loop; 1 unbalanced and 2 balanced outputs; gold-plated connectors. Dual-channel, noninverting FET design; matched gain devices enhanced with discrete pure Class A biasing; active constant-current sourcing; glass-epoxy circuit boards. Features listening and rec selectors;

balance control; remote control. Input Imp 12 kilohms; output imp 100 ohms; THD 0.05% from 0-20,000 Hz at 3 V out; S/N 100 dB ..... \$1,095  
Optional MM MC phono stage ..... \$300  
**F40 H.** As F44, balanced Class A operation ..... \$990  
**F40 P.** As F44, with phono stage ..... \$1,250  
**F40 PB.** As F44, phono stage only ..... \$300

**GOLDMUND**

*The following preamplifiers feature a 3-yr parts-and-labor warranty.*

**Mimesis 2 Preamplifier**

5 line-level inputs; phono input; 2 power-supply outputs. Features all relay-operated functions driven by zero-consumption, zero-radiation circuit; 2 grounding and earthing lugs; phase inverter. Balance control; mono/stereo switch; mute switch; remote-control capability; main-line polarity switch. FR 0-150,000 Hz  $\pm$  0.1 dB; S/N 85 dB from 0.01-10,000,000 Hz; THD 0.01% from 0-25 V; ch sep 90 dB, slew rate 500 V/ $\mu$ s; input imp 50,000 ohms. 19 x 1 3/4 x 1 1/2 in; 15.5 lb ..... \$9,600  
Without phono stage ..... \$7,900

**Mimesis 7.1 Preamplifier**

1 phono input; 3 line-level inputs; 2 tape loops; optional 4th-line input instead of phono stage. Self-adjusting MC phono input. Phase and muting switches. FR 0-850,000 Hz  $\pm$  3 dB; S/N 95 dB; ch sep 90 dB. 19 x 1 3/4 x 13 in; 13.2 lb ..... \$5,500  
Without phono stage ..... \$4,600

**HAFLER**

**Model 915S Preamplifier**

5 line-level inputs; 1 tape-monitor loop; headphone jack. Features Class A JFET topology; high power transformer; large filter capacitance. MM MC switch. THD 0.02%; S/N 100 dB. Rack mountable; silver. 7-yr warranty. 19 x 1 3/4 x 7 5/8 in; 8 lb ..... \$750

**Model 915.** As above, black; not rack mountable. 17 x 1 3/4 x 7 5/8 in ..... \$700

**Model 945S Preamplifier/Tuner**

5 line-level inputs; 2 tape-monitor loops; 1 A/V output; headphone jack. Features Class A JFET line amplifiers; MPX filters; defeatable tone controls; double balanced mixer. 18 tuner presets. THD 0.02%; S/N 100 dB. Sens 6.5 dBf mono, 12 dBf stereo. Rack mountable; silver. 7-yr warranty. 19 x 2 1/2 x 10 1/2 in; 10 lb ..... \$650

**Model 945.** As above, black; not rack mountable. 17 x 2 1/2 x 10 1/2 in ..... \$600

**SE-100 Preamplifier**

5 line-level inputs; fixed-level output; 2 variable-level outputs. Features discrete JFET devices in signal path; power-on delay circuit; tape loop with buffering. MM MC stage optional. FR 20-20,000 Hz  $\pm$  0.1 dB; THD plus noise 0.005% line; S/N at 2 V - 100 dBA line. 17 x 3 x 8 1/2 in ..... \$449  
Phono stage. THD plus noise 0.002% MM, 0.009% MC; S/N 87 dB MM, 80 dB MC ..... \$100

**HARMAN KARDON**

**Citation25 Preamplifier**

Headphone jack. Features discrete circuitry; high-cut and subsonic filters. Interactive A/V switching; tone defeat and mono switches; selectable bass and treble center frequencies; remote control ..... \$899

**Citation21 Preamplifier**

6 inputs including 2 tape; MM MC phono input. Features discrete circuitry. Phase-correct loudness switch; CD-direct mode; subsonic filter; tone defeat and mono switches. FR 0.25-250,000 Hz -3 dB; THD 0.001%; S/N 78 dB MC, 83 dB MM, 94 dB line. 17 3/8 x 3 3/8 x 14 5/8 in; 17 lb ..... \$629

**PT2300 Preamplifier/Tuner**

5 inputs including 2 A/V inputs and 2 VCR/tape monitors; 1 subwoofer and 2 line-level outputs. Discrete

# P R E A M P L I F I E R S

circuitry; low negative feedback design; digital quartz-locked tuner; 7-way dubbing matrix. 16 AM/FM presets; remote control ..... \$529

## HEYBROOK

### C-3 Preamplifier

MM, MC, tape, and 5 line-level inputs. Overload protection; aluminum chassis; rear-panel power switch. FR 10-50,000 Hz  $\pm 3$  dB; sens 85 mV MM, 160 mV line. 17 x 3 x 13 in; 8 lb ..... \$798

## HTG

### DCC-1 Digital A/V Preamplifier

7 analog inputs including video; 1 fiber-optic, 1 coaxial, and 1 fiber-optic/coaxial digital input; AES/EBU input; S-video terminals. Features 8x oversampling, 18-bit converter; upgradable digital section; separate power supplies for analog and digital sections; video switching and dubbing capabilities; switchable gain stage; rec-out selector ..... \$1,195

ACC-1. As above, without digital stage ..... \$895

## J.A. MICHELL

### Iso Preamplifier

MC phono input. Features phase-compensated circuitry; remote power supply; 2 pairs of op-amps. LED display. Sens 0.3 mV; load imp 100 ohms. 7 x 2 x 4 in; 1 lb ..... \$895

## JRM

### JRM Preamplifier

MC and MM phono inputs; 4 line-level inputs. Features polypropylene capacitors; gold-plated electromechanical devices; 2-stage RIAA with  $\pm 0.1$  dB conformity. Separate input select for main, rec, and out; 18-dB subsonic filter; 10 W x 2 headphone amp. FR 0-50,000 Hz  $\pm 0.1$  dB; THD 0.001%; S/N 76 dB MC, 87 dB MM; slew rate 20 V/ $\mu$ s. 19 x 2 3/4 x 8 1/2 in ..... \$675

## KINERGETICS

### KPA-2 Preamplifier

Balanced outputs; isolated processor loop. Features discrete Class A circuitry; outboard power supply. Independent audio and video switching ..... \$1,295

## KLYNE AUDIO ARTS

### System Seven Series

#### Model 7LX/P Preamplifier

Balanced line-level output; phono input. Dual-bridge external power supply. Independent L/R input-level controls ..... \$4,950

Model 7LX/B. As above, with balanced line-level input; no phono stage ..... \$3,950

#### Model 7LX Preamplifier

Balanced output and unbalanced line-level input. Dual-bridge power supply ..... \$3,450

### System Six Series

#### Model 6LX2 Preamplifier

4 line-level inputs; phono input. Features external power supply; independent listen and record circuitry; optional user-installable phono boards. Output imp 300 ohms; input imp phono 0-47 kilohms. 19 x 2 1/2 x 11 1/2 in; 12 lb ..... \$2,750

6L2. As above, no external power supply ..... \$2,150

6PXi. Deluxe plug-in phono preamplifier board for 6LX2; adaptable to 6L2. Features adjustable gain ..... \$1,250

6Pi. Standard version of above; adaptable to 6LX2 or 6L2 ..... \$650

## Accessories

FP 6/7 Flotation Pad. Isolation base for System Six and Seven preamps ..... \$250

Side Panels. Black-stained oak side panels for model 6L ..... \$75

Acrylic Display Cover. For System 6 preamps ..... \$25

## KRELL

### KRC Line Preamplifier

Balanced inputs/outputs. Remote control ..... \$6,000

### KBL Preamplifier

2 balanced and 4 single-ended inputs; 2 tape loops; balanced and single-ended outputs. DC coupling; Class A circuitry; external dual-mono power supply ..... \$4,500

### KRC-2 Line Preamplifier

Balanced inputs/outputs. Remote control ..... \$3,500

### KSL Preamplifier

2 balanced and 3 single-ended inputs; 1 tape loop; balanced and single-ended outputs. Features Class A circuitry. Optional phono stage ..... \$2,500

### KPE Preamplifier

Features discrete circuitry; MC MM phono stage; external power supply; selectable gain and phono loading ..... \$850

## LAZARUS

### LLS 3 Tube Preamplifier

4 line-level and 2 RCA/XLR balanced inputs; 3 outputs. Controls for volume, input, record select, and L/R balance; standby/mute and absolute-phase switches. Max output 100 V rms balanced, 50 V rms unbalanced; input imp 47.5 kilohms; output imp 600 ohms; gain 20 dB. 19-in rack panel available. 17 x 3 1/4 x 9 in; 20 lb ..... \$1,999

LLS 2. As above, 6 line-level inputs ..... \$1,499

LLS 1. As above, 6 unbalanced line-level RCA inputs. 18 lb ..... \$799

## LINN

### Kairn Preamplifier

7 inputs; 3 line-level outputs. Remote-control operation; front-panel controls. 13 x 3 1/2 x 13 in; 10 lb ..... \$2,595

### LK1 Preamplifier

MM, MC, and 4 line-level inputs. Features micro-processor-controlled design with independently adjustable input-level matching. Keyboard lockout; remote control. 10 1/2 x 3 x 10 1/2 in; 9 lb ..... \$1,295

## LUXMAN

### TP-117 Dual Preamplifier/Tuner

Signal-processor loop; CD-direct input. Dual preamps in one chassis provide independent source selection and volume control for two sets of components. Features RF modulator; separate regulated power supplies; AM/FM tuner with computerized tuning and 4-stage FM front end; motor-driven volume

control. 20 AM/FM station presets with auto-seek tuning; FM fine tuning 1N 25,000-Hz steps; video switching with buffer amplifiers; remote control. FR 20-20,000 Hz  $\pm 0.5$  dB; THD 0.006%; S/N 86 dB phono. 96 dB line. FM: 50-dB quieting sens 38 dBf stereo; cap ratio 1.5 dB; alt-ch sel 68 dB. AM: S/N 50 dB. 17 1/4 x 4 3/8 x 13 in; 11.4 lb ..... \$1,250

### TP-114 Preamplifier/Tuner

Fixed line-level outputs; phono input; remote control output. Features Duo-Beta feedback circuitry; star circuit topology; voltage-driven amplification. 20 AM/FM presets; auto seek; preset scan AM/FM tuning; FM fine tuning; motor-driven volume control; local/remote sensor selector; auto phono/aux input switching; remote control. FR 20-20,000 Hz  $\pm 0.5$  dB phono. 5-160,000 Hz  $\pm 3$  dB line; S/N 78 dBA phono. 95 dBA line; THD 0.008% at 1 V output. FM: 50-dB quieting sens 14.8 dBf mono, 38 dBf stereo; cap ratio 1.5 dB; alt-ch sel 65 dB ..... \$2,695

## MADISON FIELDING

### L-1 Tube Preamplifier

3 line-level inputs; 2 tape-monitor loops; 1 RCA and 1 balanced output. Features hybrid solid-state/tube circuitry; motor-driven volume control. Sens 100 mV; max output 75 V. 4 1/2 x 19 x 12 in; 12 lb ..... \$2,695

## MARANTZ

### SC-22 Preamplifier

4 line-level inputs; tape-monitor loop; normal and phase-inverted outputs. Features straight-line circuit topology; discrete Class A signal routing; low-pass filter in input stage to remove digital noise above audio band; Permalloy balanced output transformers; high-current toroidal power supply with damped mounting; shielded OFC wiring; double-plated glass-epoxy circuit boards. FR 20-20,000 Hz  $\pm 1$  dB; THD 0.03%; S/N 105 dBA; crosstalk 85 dB at 1,000 Hz. Gold finish. 9 3/4 x 3 3/8 x 8 1/2 in; 9.2 lb ..... \$999

### AV-500 A/V Preamplifier

8 gold-plated RCA audio inputs; 4 gold-plated RCA video inputs; 4 S-video inputs; front-panel composite; S-video Av input; 4 gold-plated RCA audio outputs; 3 gold-plated RCA video outputs; 3 S-video outputs; 3 gold-plated RCA line-level outputs for front, center, and surround. Features Dolby Pro Logic decoder; auto input balance; motor-driven volume control. Matrix, movie-surround, 3-ch logic, and 2 concert-hall surround modes; adjustable digital delay; movable digital color PIP for 2 video sources; Dolby test-tone generator; simulcast capability; audio and video dubbing; switchable 3-, 5-, or 7-dB bass boost at 70 Hz; on-screen display; defeatable FL dot-matrix display; mute switch; 1 unswitched and 2 switched ac outlets; remote control. Champagne-gold finish with die-cast alloy side panels. 17 7/8 x 3 3/8 x 13 1/2 in ..... \$949

Black finish ..... \$899

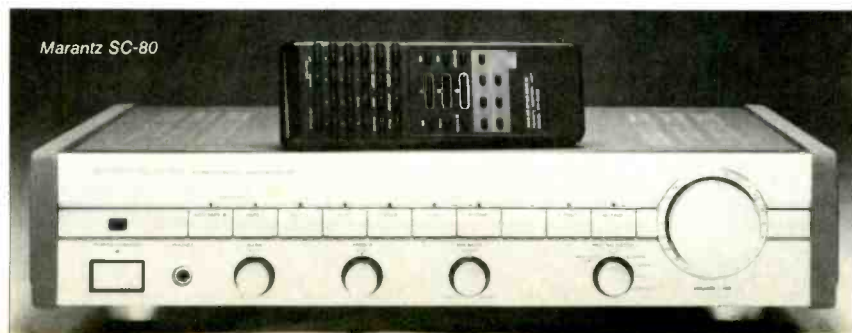
### SC-80 Preamplifier

MM MC phono input; 4 line-level inputs; 2 tape-monitor loops; normal and phase-inverted outputs; signal-processor loop; RC-5 interface for remote-control compatibility with other Marantz components. Features Class A design; all-discrete primary signal path; balanced output coupling via impedance-matching transformers; 12 microprocessor-controlled gold-plated relays for source switching; source-direct switch; motor-driven volume control. Defeatable narrow-Q bass and treble controls; rec-out selector; remote control. FR 20-20,000 Hz  $\pm 0.2$  dB phono, 10-40,000 Hz  $\pm 0.1$  dB line; S/N 75 dB MC, 91 dB MM, 95 dB line; THD 0.015% line. Gold finish with die-cast alloy side panels. 17 7/8 x 4 1/8 x 14 1/4 in ..... \$699

## MARK LEVINSON

### Model 26 Preamplifier

6 line-level inputs; nonbuffered tape outputs. Features dual-mono design; external chassis with separate power supplies for each channel and control section; 2 toroidal transformers; matrix-style dc



# P R E A M P L I F I E R S



McIntosh C-36

switching; dual-mono construction; hermetically sealed silver contacts with gold plating; 9 gold-plated contacts for connecting cable; 3-pln Neutrik XLR connectors. Stereo/mono switch; selectable 6-, 12-, or 18-dB gain for unbalanced output; selectable 12-, 18-, or 24-dB gain for balanced output. Output imp 40 ohms; line-level input imp 14 kilohms; phono input imp 825 ohms MC, 47 kilohms MM, phono gain 38/44 dB MM, 58/64 dB MC. Preamp: 17 1/2 x 2 3/4 x 13 1/8 in. Power supply: 7 5/8 x 2 3/4 x 13 1/8 in; 32 lb ..... \$6,095 Without phono stage ..... \$5,195

**Model 26 S.** As above, uses Teflon circuit boards. With phono stage ..... \$7,895 Without phono stage ..... \$6,795

## Model 28 Preamplifier

7 inputs, including 2 gold-plated XLR balanced inputs; 5 single-ended inputs; balanced and unbalanced main outputs; single-ended outputs for 2 tape decks; 1 selectable phono/line input. Features dual-mono construction; single custom transformer with separate windings and grounding systems; distributed power supply regulation; low and high-gain phono modules each with 2 gain settings; custom-made Teflon capacitors in RIAA sections of both phono modules; separate power supply. Output imp 10 ohms; line input imp 13 kilohms; phono input imp 825 ohms MC, 47 kilohms MM; single-ended line gain 0, 6, 12, or 18 dB; balanced line gain 6, 12, 18, or 24 dB; MC phono gain 58 or 64 dB; MM phono gain 38 or 44 dB. Preamp: 17 1/2 x 2 3/4 x 10 3/4 in. Power supply: 8 1/2 x 2 3/4 x 13 1/8 in; 29 lb ..... \$3,495 Without phono stage ..... \$3,195

## McINTOSH

### C-39 A/V Preamplifier

5 line-level and 1 phono/line-level input; 6 A/V inputs; front-panel A/V input; processor loop; balanced main outputs; 13 serial data ports; control connectors for 2 CD players, tuner, and SCR switcher. Compatible with CR-10 multiroom system and HC-1 controller. Dolby Pro Logic decoder with delay and calibration controls. 2-zone control; variable loudness and tone controls; muting; switched AC outlets. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90 dB phono, 105 dB line. 17 1/2 x 7 1/8 x 15 1/2 in ..... \$2,795

### C-37 A/V Preamplifier/EQ

9 A/V inputs; two tape-monitor loops. 5-band EQ; loudness control. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90 dB phono, 105 dBA line. 16 1/8 x 5 3/8 x 13 in; 18 lb ..... \$2,395

**C-37(W).** Wide-chassis version ..... \$2,395

### C-38 A/V Preamplifier

6 line-level, 1 A/V, and 1 phono/line-level inputs; two processor loops; balanced outputs; 9 serial data ports; control connectors for 2 CD players and 1 tuner. Compatible with CR-10 multiroom system and HC-1 controller. Features digital logic IC's; electromagnetic switching. 2-zone control; variable loudness and tone controls; muting; switched AC outlets. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90

dBa phono, 105 dBA line level. 17 1/2 x 5 3/8 x 15 1/2 in; 23 lb ..... \$1,995

### C-35 A/V Preamplifier/EQ

9 A/V inputs; 2 tape-monitor loops. Features cascaded FET pair for input switching. 5-band EQ; loudness control. FR 20-20,000 Hz +0, -0.5 dB; THD 0.007%; S/N 90 dB phono, 105 dB line ..... \$1,995

### C-36 A/V Preamplifier

6 line-level, 1 phono, and 1 video inputs; dual processor loops; gold-plated inputs and outputs; AC-switched outputs. Digital logic IC's; electromagnetic switching; double-shielded power transformer; electronically regulated power supply. Separate listen and rec switching; variable loudness and tone controls; power-on muting. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90 dB phono; 105 dB line. 17 1/2 x 5 3/8 x 15 1/2 in; 18 lb ..... \$1,595

## MELOS

### MA-333B Tube Preamplifier

6 inputs including MM and MC; 1 processor loop; balanced inputs and outputs. Features 3-chassis design, dual-mono construction; zero-feedback amplification; large toroidal transformers; regulated power supplies. Tiffany connectors. FR 20-300,000 Hz +0, -0.5 dB; THD 0.09%; sens 80 mV; S/N 75 dB MM, 70 dB MC ..... \$4,995

**MA-333B Line.** As above, no phono stage ..... \$3,195

**MA-333.** As MA-333B, 2 tape loops; no balanced inputs ..... \$4,195

**MA-333 Line.** As MA-333, no phono stage ..... \$2,395

**MA-333 Phono.** As MA-333, no line section ..... \$2,195

**MA-220 Tube Preamplifier.** 6 inputs including MM and MC; 2 processor loops; balanced outputs. Features 2-chassis design, dual-mono construction; zero-feedback amplification; large toroidal transformers; regulated power supplies. Tiffany connectors. FR 20-300,000 Hz +0, -0.5 dB; THD 0.09%; sens 80 mV; S/N 75 dB MM, 70 dB MC ..... \$2,695

**MA-220 Line.** No phono stage ..... \$1,795

**MA-220 Phono.** No line section ..... \$1,095

### MA-111B Preamplifier

MC, MM phono inputs; 1 tape loop. Features heavy-aluminum chassis and external toroidal power supply. FR 2-300,000 Hz  $\pm$  1 dB; THD 0.09%; sens 80 mV; S/N 70 dB MM, 65 dB MC; max output 30 V ..... \$1,395

**MA-110B.** As above, no phono stage ..... \$995

## MERIDIAN

### Model 603 Digital Preamplifier

2 coaxial and 2 fiber-optic digital inputs; 3 analog inputs. Features 1-bit PDM DAC converters; auto sampling-rate selection (32 or 48 kHz); passive differential analog filtering; 2-chassis design with digital audio, computer control circuits, and power supplies in 1 box, DAC converters and analog audio circuitry in other; 8 regulated power supplies. 64-step volume control; remote control. S/N 106 dBA ..... \$2,500

### Model 201 Preamplifier

6 MM MC inputs; 2 tape-monitor loops. Features dubbing capability; source monitoring. 64-step volume control; user-programmable mute level and volume offset between sources; remote control. Can be externally controlled as part of Meridian multiroom system. 12 1/4 x 4 x 6 1/4 in; 10 lb ..... \$1,090

## MFA PURE TUBE

### MC Reference Preamplifier

Features fully regulated and separately buffered stages; buffered passive output section; MIT capacitors; Teflon circuit board; standby and fast mute protection circuitry; shielded and potted toroidal transformer; local input signal switching; vibration dampening; Cardas jacks; aluminum chassis. Stepped volume and balance controls; rec-out selector; mono/stereo switch. FR 1-400,000 Hz; THD 0.01%; max output 60 V; gain 80 dB ..... \$8,000

## MIRROR IMAGE AUDIO

### Model .2P Preamplifier

Balanced outputs. Features DC-coupled transistor circuitry; polarity-inversion, absolute-phase, bridging, and biamping switches; remote control. THD 0.01% ..... \$3,200

### Model .2P Phono Module

Designed for the .2P preamplifier. Features 2 separate phono stages for MM and MC cartridges; RIAA equalization and tracking. Adjustable gain and input impedances. S/N 90 dB ..... \$850

## MOBILE FIDELITY

### UltraAmp Preamplifier

6 line-level inputs and 3 line-level outputs including 2 tape-monitor loops. Features dual-mono design; separate buffer stage for tape outputs; separate power transformers and ground planes for each ch; conductive plastic potentiometers; fully discrete signal path with hand-selected transistors; double regulation for power supplies; silver-plated high conductivity switches. Volume and balance controls. Phono stage optional. FR 2-150,000 Hz  $\pm$  3 dB; THD 0.02%; S/N 90 dB; gain 12 dB. 18 x 3 1/2 x 10 in ..... \$1,695

## MOD SQUAD

### ALD-1 Preamplifier

1 direct and 8 buffered inputs; XLR balanced, RCA unbalanced, and RCA passive outputs. Features active line drive. FR 5-200,000 Hz +0, -0.5; max output 10 V; THD 0.1%; line-level sens 225 mV. Optional phono stage and external power supply available ..... \$1,695

### Deluxe Line-Drive AGT Preamplifier

5 line-level inputs and 2 tape loops; 2 main outputs wired in parallel for biampification. Features star grounding throughout; non-ferrous, nonmagnetic chassis. Front-panel input selector with mute, volume, and balance controls; switchable chassis shielding. FR 0-200,000 Hz +0, -3 dB; THD 0.0001%; input imp 12 kilohms; output imp variable; ch sep 86 dB. 16 1/2 x 2 1/2 x 10 3/4 in; 4 lb ..... \$1,150

**Standard.** As above, lower quality parts ..... \$650

## MONARCHY AUDIO

### Model 10 Preamplifier

High- and low-imp gold-plated outputs. Features fully complementary circuitry; unity-gain design; selectable buffered signal path with high-imp input, low-imp output; pure silver wiring; AC power required to activate buffered circuitry. THD 0.001%; buffered input imp 10 megohms, output 100 ohms ..... \$980

## MOTIF

### MP11 Preamplifier

4 line-level outputs. Features all-FET design; RIAA EQ plus gain for MM and MC cartridges; polypropylene or



MTX Soundcraftsmen P100

polystyrene audio circuits and power-supply capacitors; metal-film resistors. FR 2-75,000 Hz +0, -3 dB; max output 10 V; THD 0.1%; gain 21 dB. 19 x 3 1/2 x 12 in; 15 lb ..... \$2,395

**MC10 Preamplifier**

3 phono inputs; line-level inputs. All-FET design; polypropylene or polystyrene audio circuits and power-supply capacitors; metal-film resistors. 19 x 3 1/2 x 12 in; 15.5 lb ..... \$2,395

**MTX SOUNDCRAFTSMEN**

**Pro-Control 422 A/V Preamplifier/EQ**

3 audio inputs including phono; 3 A/V inputs; 2 tape-monitor loops; signal-processor loop. Features independent listening and tape recording in multiroom applications; subsonic filter; differential/comparator output balancing. Defeatable tone controls; 10-band EQ with ±15-dB boost/cut range. FR 20-20,000 Hz ±0.1 dB; THD 0.005%; SN 97 dB phono; SN 116 dB. Rack-mount front panel. 19 x 5 1/4 x 10 1/2 in ..... \$849

**Pro-Control Four.** As above, without EQ. 2 signal-processor loops. 19 x 3 1/2 x 10 1/2 in ..... \$849

**Pro-Control Three.** As above, 2 tape-monitor loops, 1 signal-processor loop ..... \$549

**P100 Preamplifier**

5 audio inputs including phono; tape-monitor loop; headphone jack. Features CMOS switching. Bass, treble, and balance controls; 1 switched and 1 unswitched AC outlets. FR 20-20,000 Hz ±0.5 dB; THD 0.008%; SN 100 dBA. 17 x 1 3/4 x 10 7/8 in ..... \$360

**MUSE**

**Model One Preamplifier**

4 inputs; 1 tape loop. Separate power supply with 550-VA transformer. Mute switch: active/passive switch. FR 7-400,000 +0, -3 dB; THD 0.2% phono. 0.05% line; SN 73 dBA phono, 98 dBA line; ch sep 80 dB. Preamp: 19 x 3 1/2 x 12 in; 13 lb. Power supply: 19 x 3 3/2 x 12 in; 36 lb ..... \$2,500

**MUSEATEX**

**Melior DCC-1 Digital Preamplifier**

4 fiber-optic/coaxial digital inputs; 2 tape-monitor loops; processor loop; analog outputs. Programmable LCD interface; C-Lock jitter elimination circuitry. Remote control. FR 1-20,000 Hz; THD 0.03%; SN 105 dB. 14 lb ..... \$2,349

**Melior AVC-1 A/V Preamplifier**

4 audio inputs; 4 A/V inputs including 2 S-video; processor loop; balanced outputs. Programmable LCD interface. Remote control. FR 1-100,000 Hz; THD 0.25%; signal-to-noise ratio 48 dB video, 95 dB audio. 16 lb ..... \$2,299

**Melior ACC-1 Preamplifier**

8 inputs; 4 tape-monitor loops; processor loop; balanced outputs. Programmable LCD interface. Remote control. FR 1-100,000 Hz; THD 0.25%; SN 95 dB. 14 lb ..... \$1,949

**PHO-1 Phono Preamplifier.** Separate phono stage for AVC-1 and ACC-1 preamps ..... \$599

**MUSICAL DESIGN**

**SP-1 Tube Preamplifier**

2 tape and processor loops. Separate power supply. Polarity-inversion switch; separate record and listen switches; direct input and mute switch; gold-plated inputs and outputs; removable power cord. FR 0.1-180,000 Hz; sens 100 mV; THD 0.001% ..... \$995

**NAD**

**Model 106 Monitor Series Preamplifier**

5 line-level inputs; switchable MC/MM input with discrete phono preamp stage; gold-plated inputs and outputs; XLR balanced outputs. High-capacity power supply; metal-film resistors; power-on muting. Defeatable tone controls; discrete headphone amp. FR 20-20,000 Hz ±0.2 dB; THD 0.01%; SN 76 dBA MC/MM, 96 dBA line. 16 x 3 3/4 x 10 1/2 in; 8 lb ..... \$549

**Model 1600 Monitor Series Preamplifier/Tuner**

4 line-level and 1 video inputs; MC/MM phono input; gold-plated phono and CD inputs; signal-processor loop. FM blend; infrasonic filter. 14 AM/FM presets; bass EQ; 2-way tape dubbing; defeatable tone controls; remote control; rack mountable. FR 20-20,000 Hz ±0.3 dB; THD 0.01%; SN 75 dBA phono, 100 dBA line. FM: cap ratio 1.6 dB; alt-ch sel 68 dB ..... \$449

**Model 1000 Monitor Series A/V Preamplifier**

4 line and 1 video input; phono input; gold-plated phono and CD inputs; signal-processor loop; balanced output. Bass EQ; switchable infrasonic filter. 2-way tape dubbing; defeatable tone controls; headphone amp; rack mountable. FR 20-20,000 Hz ±0.2 dB; THD 0.01%; SN 76 dBA phono, 96 dBA line. 17 1/8 x 3 3/4 x 10 1/2 in; 8 lb ..... \$299

**NAIM**

**NAC 52 Preamplifier**

Features separate power supply; dual-mono construction; motor-driven potentiometer; separate power supply for each section. LED indicators; remote control. Input sens: MM 2 mV at 47 kilohms, 100 μV at 470 ohms MC; Input 2, 3, 4 75 mV at 100,000 ohms; main output sens 0.775 V at 47 kilohms; overload margin 40 dB. 16 3/4 x 3 x 11 1/4 in ..... \$10,950

**NAC 72 Preamplifier**

4 line-level inputs. Features matched and time-aligned filter. Power supplied externally from Naim power amps with preamp supply or Naim Hi-Cap preamp supply. Mute/monitor switch. Input sens: MM 2 mV at 47 kilohms, MC 100 μV at 470 ohms, line 75 mV at 100 kilohms; output imp 47 ohms; overload margin 40 dB. 11 1/4 x 3 x 8 in ..... \$1,455



NAD Model 106

Phono option ..... \$135  
Hi-Cap preamp supply option ..... \$1,355

**NAC 62 Preamplifier**

4 line-level inputs. Power supplied externally from Naim power amps with preamp supply or Naim Hi-Cap preamp supply. Mute/monitor switch. Input sens: line 75mV at 100 kilohms; 2 mV at 47 kilohms MC; 100 μV at 470 ohms MC; overload margin 40 dB. 11 3/4 x 3 x 8 in ..... \$965  
Phono option ..... \$135  
Hi-Cap preamp supply option ..... \$1,355

**NAKAMICHI**

**CA-7A Preamplifier**

6 line-level inputs; MC and MM phono inputs; 2 main-speaker outputs. Separate digital and analog sections; isolated ground technology; multiroom remote control with RS-7 infrared sensor. FR 1-100,000 Hz +0, -3 dB; THD 0.002%; SN 94 dBA. 17 1/8 x 3 3/4 x 12 1/4 in; 15.3 lb ..... \$2,750

**CA-5All Preamplifier**

5 line-level inputs; MC and MM phono inputs; gold-plated inputs and outputs. Multiregulated isolated-ground power supply; bipolar transistors; low-noise FET's. Tape dubbing; balance and tone controls. FR 1-100,000 Hz +0, -3 dB; THD 0.002%; SN 95 dBA. 17 1/8 x 2 1/2 x 11 1/4 in; 11.3 lb ..... \$1,150

**NRG**

**PA1 Preamplifier**

5 single-ended balanced inputs; balanced XLR and 2 single-ended outputs. Class A circuitry. Mute, stereo mono, and phase switches; output imp 50 ohms; line-level to output gain 14 dB; MM to line level gain 40 dB; MC to line level gain 60 dB; FR 0.4-1 MHz +0, -3 dB; slew rate 50 V/μs; THD 0.01% max at 10 V rms, 20-20,000 Hz ..... \$6,600  
Phono option ..... \$900  
Remote option ..... \$500

**OCM**

**Model 55 Preamplifier**

1 line-level input; 4 unbalanced, 2 main, and 2 tape outputs; gold-plated RCA connectors. Direct-coupled design with DC-servo loop. Double sided, fiberglass-epoxy circuit board; silver-plated copper wiring. Dual monitoring capability. Input imp 50 kilohms; FR 20-20,000 Hz ±0.1 dB; gain 20 dB; THD 0.05%. Anodized black-aluminum faceplate ..... \$1,395

**ONKYO**

**Integra P-388F Preamplifier**

9 audio inputs; MM/MC phono inputs; balanced CD input; 2 tape loops; balanced outputs. Features multi-stage balanced circuit design; transformer designed to prohibit electromagnetic interference; motor-driven volume control. Rec selector; remote control ..... \$1,200

**Grand Integra P-308 Preamplifier**

8 inputs including MM/MC phono; 2 front-panel inputs. Features independent, magnetically shielded power supplies for each amp block; short signal-path routing; subsonic feedback loop to cancel DC components; signal in-phase filters to reduce common-mode noise. Defeatable tone controls; high-cut position on treble control; dual record-output selector; wood side panels. FR 0.8-170,000 Hz +0, -3

# P R E A M P L I F I E R S



PSE Studio SL

dB; THD 0.0005% line; S/N 101 dB line. 18 1/4 x 4 x 15 7/8 in; 19 lb. \$660

### Integra P-304 Preamplifier

8 inputs including MM MC phono. Features all-discrete signal path; signal in-phase filters; FET MM MC phono input. Two rec-out selectors; direct tone controls; side panels. FR 0.8-170,000 Hz +0, -3 dB; THD 0.0005% line; S/N 92 dB MM. 18 1/4 x 4 x 15 7/8 in. \$530

### P-301 A/V Preamplifier

7 audio and 2 video inputs. Features multiroom capability; motor-driven volume control. Selective tone control; video dubbing; source-direct switch. FR 15-30,000 Hz ± 1 dB; THD 0.009% line; S/N 92 dB MM. 17 7/8 x 4 3/8 x 12 1/4 in; 9 lb. \$270

## PARASOUND

### P/FR-2000 Preamplifier

Fully balanced circuit; separate power supplies; C-MOS signal path; processor loop. Polarity inversion switch; C-MOS switching; remote control. FR 10-100,000 Hz; THD 0.005%; S/N 90 dB phono. 19 x 3 1/2 x 12 1/2 in. \$1,185

### C/PT1100 Preamplifier Tuner

Features FMX decoder; Class A FET design; variable loudness contour; gold-plated inputs and outputs. Infrared repeater for multiroom applications; remote control; separate level-adjust for zone 2 outputs. FR 10-80,000 Hz; THD 0.005%; S/N 92 dB. 19 x 3 1/2 x 12 1/2 in. \$595

### P/HP-750II Preamplifier

Features C-MOS switching for inputs, tape; variable loudness contour; high- and low-pass filters. Tape dubbing. FR 5-65,000 Hz; THD 0.006%; S/N 92 dB; phono overload 200 mV. 17 1/4 x 3 1/8 x 9 1/2 in; 10 lb. \$299

## PERFECTIONIST AUDIO

### Pro-Reference IIb Tube Preamplifier

Features toroidal transformer; platinum internal wiring; polypropylene or polystyrene capacitors in signal path; output muting; low-imp main and tape outputs. THD 0.1%; output imp 600 ohms; phono gain 43 dB; noise 90 dB below rated output. \$4,295

### C.P.R. IIb Preamplifier

MC MM phono and line-level inputs. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output imp; user-adjustable gain and input imp. \$2,395

### C.P.R. IIb Preamplifier

MC MM phono and line-level inputs. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output imp; RIAA EQ. Gain 36 dB; input imp 47 kilohms. \$1,950

### C.P.R. Ib Preamplifier

Line-level input. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output imp. Gain 21 dB. \$1,550

## PIONEER

### Elite Series

The following feature cast-iron transformers, copper-coated capacitors, a video power supply, isolated transformers, and a bypass mode.

### C-91 A/V Preamplifier

5 audio inputs including 2 tape-monitor loops and one MM MC phono input; 5 video inputs including 3 VCR loops; 3 S-video inputs and 3 S-video outputs; gold-plated terminals. Features individual power transformers for each channel and a separate transformer for video/control functions; subsonic filter; video enhancer; film condenser; motor-driven volume control. Rec-out selector; tape dubbing capability; programmable remote control. THD 0.002% from 20-20,000 Hz; FR 20-20,000 Hz ± 0.2 dB MM, 20-20,000 Hz ± 0.3 dB MC, 1-150,000 Hz +0, -3 dB line. 18 x 5 1/4 x 15 7/8 in; 22.8 lb. \$1,300

### C-72 A/V Preamplifier

5 audio inputs; 5 composite S-video inputs including front-panel A/V input; gold-plated terminals. Features transformers for audio/relay and video/control; direct signal paths; motor-driven volume control; multiroom capability. A/V-rec selector; video dubbing capability; programmable remote control. THD 0.002% from 20-20,000 Hz; FR 20-20,000 Hz ± 0.2 dB MM, 20-20,000 Hz ± 0.3 dB MC, 1-150,000 Hz +0, -3 dB line. 18 x 6 1/2 x 16 1/2 in; 24.9 lb. \$850

## POINTSOURCE

### PRT100 Tube Preamplifier

Gold-plated inputs. Triode Class A design with phono stage. Volume and balance controls; rec-out selector. 19 x 3 1/2 x 8 in. \$850

PR102. Solid-state version of above. \$750

## PS AUDIO

### PS 5.6 Preamplifier

MC MM inputs; gold-plated connectors. PS 6.1 line stage and PS Phono Link phono stage in single-chassis. Single military-grade glass-epoxy board; multiple regulation; diode isolated power supply; passive phono EQ. Straight-wire and bypass switch. FR 20-20,000 Hz ± 0.1 dB; THD 0.1%; S/N 74 dB MC, 85 dB MM, 100 dB line. 17 x 2 1/2 x 9 in; 14 lb. \$799

### Model 6.0 Preamplifier

6 inputs and 4 outputs; gold-plated connectors. Active or straight-wire/passive operation; defeatable balance and tape-monitor circuits. FR 20-20,000 Hz ± 0.1 dB; THD 0.1%; S/N 100 dB. 17 x 2 1/2 x 9 in; 14 lb. \$599

## PSE

### Studio SL Preamplifier

6 inputs; xLR balanced and RCA main outputs. Features discrete FET Class A design; separate discrete phono and line power supplies; metal-film resistors; absolute-phase reverse; auto mute. Switchable MM MC phono section; volume and balance controls. FR 30-16,000 Hz ± 0.25 dB phono, 1-60,000 Hz ± 0.25% line; output imp 330 ohms; slew rate 50 V/μs; noise 80 dBA at 5 mV rms MM, 70 dBA at 5 mV MC, 100 dBA at 1.2 V rms line; gain 48 dB MM, 32 dB MC, 20 dB line. Rack mount optional. 5-yr warranty. 18 x 1 3/4 x 8 1/2 in; 6 lb. \$950  
Without phono stage. \$850

## QED

### C300 Preamplifier

3 line-level inputs; 2 tape loops; moving-coil/moving-magnet phono input; gold-plated connectors. Full-discrete phono and line-stage amp; separate record and play circuits. \$675

## QUAD

The following feature a tilt control that adjusts FR slope in seven 1-dB steps.

### Quad 66 Preamplifier

7 inputs. Features high-frequency filter with 7,000- or 5,000-Hz rolloff; bass control with rolloffs at 50 and 200 Hz; remote control. FR 30-20,000 Hz ± 0.5 dB phono, 20-20,000 Hz ± 0.2 dB line; THD 0.05%; sens (phono) 3 mV with options of 1 mV or 200 μV, S/N 75 dB; sens (aux 1/aux 2) 300 mV, S/N 93/99 dB; sens (CD) 300 mV, S/N 99 dB; sens (tuner) 100 mV, S/N 93 dB. 12 3/4 x 3 1/4 x 10 in; 7.5 lb. \$1,649

### Quad 34 Preamplifier

4 inputs. 3 push-button filters; bass control. Distortion 0.5%; residual noise -105 dBA. \$849

## QUICKSILVER AUDIO

### Quicksilver Tube Preamplifier

Output Imp 12.5 ohms; bandwidth 0-650,000 Hz; distortion 0.001%. \$1,795

## ROTEL

### RTC950AX Preamplifier/Tuner

6 inputs including MM MC phono; processor loop; 2 main outputs; headphone jack. Bass and treble controls; tone defeat; tuner presets; auto/manual tuning; remote control. FM: usable sens 10.8 dBf; S/N 75 dB at 65 dBf stereo; THD 0.25% at 65 dBf and 1,000 Hz stereo; 50-dB quieting sens 37.2 dBf stereo; cap ratio 1 dB; all-ch sel 70 dB. Preamp: FR 20-20,000 Hz ± 0.2 dB phono, 4-100,000 Hz +0, -3 dB line; THD 0.004%; S/N 80 dB phono, 100 dB line. 17 3/8 x 3 3/8 x 13 3/8 in; 12.1 lb. \$600

### RC980BX Preamplifier

8 inputs including MM MC phono; headphone jack. Features high-frequency passive and low-frequency active EQ; direct signal paths. CD-direct switch. THD 0.004%; FR 20-20,000 Hz ± 0.2 dB phono, 4-100,000 Hz +0.5, -3 dB line; S/N 85 dB MM, 70 dB MC, 100 dB line. 17 3/8 x 2 3/4 x 12 3/4 in; 9 lb. \$500

### RC960BX Preamplifier

8 inputs including MM MC phono; headphone jack. Features direct signal paths. Defeatable tone controls; separate bass and treble controls; tone defeat/mono switch. THD 0.004%; FR 40-20,000 Hz ± 0.2 dB phono, 4-100,000 Hz -3 dB line; S/N 80 dB MM, 70 dB MC, 100 dB line. 17 3/8 x 2 7/8 x 11 1/4 in; 6.6 lb. \$300

## JEFF ROWLAND

### Consummate Preamplifier

3 balanced and 3 unbalanced inputs. balanced and unbalanced outputs. Class A FET design; separate power supply with dual toroidal transformer; AC power-line filter. Microprocessor-controlled volume and switching; remote control; selectable gain. Bandwidth 0.05-200,000 Hz +3 dB; total harmonic distortion 0.008%; input imp 600 ohms, 10 kilohms, or 100 kilohms; output imp 300 or 600 ohms. 15 x 5 1/2 x 13 3/4 in; 28 lb. \$5,950

**Consummate Phono Stage.** For above. Features balanced and unbalanced inputs and outputs; selectable gain. Output imp 150 or 300 ohms; bandwidth 0.15-250,000 Hz +3 dB; S/N 80 dB; THD 0.02%. 15 x 2 5/8 x 13 3/4 in; 10 lb. \$2,800

**Consummate Phono Stage II.** Single-ended input and output for above. Selectable gain. Bandwidth 0.15-220,000 Hz +3 dB; S/N 80 dB; THD 0.04%. 7 1/2 x 2 5/8 x 13 3/4 in; 3 lb. \$950

### Coherence One Series II Preamplifier

MM MC phono input; 3 line-level inputs; tape-monitor loop. Solid-state FET design with power supply. Split-passive RIAA EQ; phase reversal and full muting; separate L/R level controls. Phono: bandwidth 0.15-220,000 Hz +3 dB; gain 61 dB; THD 0.025%. Line: gain 19 dB; bandwidth 0.06-650,000 Hz +3 dB; THD 0.01%. 19 x 3 3/4 x 12 1/2 in; 29 lb. \$4,600

**Consonance Preamplifier**

1 phono and 5 unbalanced inputs; balanced and unbalanced outputs. Features microprocessor-controlled volume and switching; remote control. Line section: bandwidth 0.08-200,000 Hz +3 dB; THD 0.012%; input imp 600 ohms, 10 kilohms, or 100 kilohms; output imp 300 or 600 ohms; selectable gain. Phono section: bandwidth 0.15-220,000 Hz +3 dB; THD 0.04%. 15 x 2 5/8 x 13 3/4 in; 14 lb .....\$3,700

**SONOGRAPHIE**

**SC22 Preamplifier**

6 line-level inputs. Features FET design with polypropylene and polystyrene capacitors for all audio circuits; discrete power-supply regulation. FR 5-100,000 Hz ±0.5 dB; max output 10 V; THD 0.1%; phono overload 150 mV. 17 x 12 1/4 x 2 1/2 in .....\$695

**SC22P.** Phono stage option for SC22. Discrete FET regulated power supply .....\$189

**SONY**

**ES Series**

**TA-E2000ESD Digital A/V Preamplifier**

Fiber-optic digital output, 1 coaxial and 2 fiber-optic digital inputs; 5 audio inputs including phono; 7 A/V inputs including 3 S-video inputs, 3 VCR-monitor loops, and 1 front-panel S-video input; 2 subwoofer and 2 center-channel outputs. Features DSP with pulse A/D conversion, 1-bit D/A conversion, 45-bit digital filter, and auto sampling-rate switching; Dolby Pro Logic decoder; digital ch-sep control; source-direct switch. 10 factory and 10 user sound-field presets; 10 adjustable sound-field parameters; digital 3-band parametric EQ with 91 center frequencies, 16 slopes, and ±12-dB boost/cut in 0.1-dB increments; independent EQ's for front, center, and rear channels; digital dynamic-range compression/expansion; rec-out selector; 3 switched and 1 unswitched AC outlets; programmable A/V remote control. FR 20-20,000 Hz -0.2 dB phono, 10-20,000 Hz ±0.1 dB line; THD 0.004% at 1,000 Hz. Simulated-wood side panels. 18 1/2 x 6 x 14 1/4 in; 18.8 lb .....\$1,200

**TA-E80ES Preamplifier**

7 audio inputs including MM/MC phono; balanced XLR analog inputs and outputs; signal-processor loop. Features glass-epoxy circuit boards; dual-mono design; source-direct switch. Selectable phono load imp; rec-out selector; remote control. FR 20-20,000 Hz -0.2 dB phono; 3-300,000 Hz +0, -3 dB line; S/N 83 dB MC, 95 dB MM, 105 dB line; THD 0.001%. Simulated-wood side panels. 15 1/2 x 5 1/4 x 14 1/2 in; 28.6 lb .....\$900

**SOUND ENGINEERING**

**PFM-2B Preamplifier**

High-current Class A design .....\$1,750

**SOUNDSTREAM**

**C-1 MkII A/V Preamplifier**

4 line-level inputs; 1 phono/aux input; 2 VCR loops. Features dual-mono Class A circuitry; discrete component signal path; separate power supply for audio; digital switching circuitry to link Soundstream components; A/V dubbing; rec-out selector; programmable remote control. FR 20-20,000 Hz ±0.1 dB; THD 0.05%; S/N 100 dB; input imp 30 kilohms; input sens 100 mV for 0.5 V output .....\$1,195

**SPECTRASCAN**

**LCA-10-MC Preamplifier**

6 inputs; 2 line-level outputs. Features input buffer-amp; dual head amps; toroidal power transformer. Switchable input capacitance for MM input; separate source and record switches; low-noise MC head amp. FR 3-250,000 Hz; THD 0.05% from 20-20,000 Hz line; IM 0.05%; S/N 100 dB; sens 100 mV for 1 V output. 19 x 3 3/4 x 9 1/2 in; 17 lb .....\$1,969

Without head amps .....\$1,569

**SUMO**

**Diana Preamplifier**

6 inputs; XLR balanced inputs/outputs. 2 chassis design with two 40-VA transformers and 4 high-voltage regulation stages; DC-coupled design; 1% metal-film resistors. FR 20-20,000 Hz ±0.1 dB; THD 0.008%; S/N 100 dB; output imp 50 ohms .....\$1,399

**Athena II Preamplifier**

Gold-plated balanced inputs/outputs. Fully complementary, Class A discrete line stage; all 1% metal-film resistors; polystyrene bypass capacitors; separate power supply for each channel; 50 V peak-to-peak output voltage swing. Separate record and select functions: laser-trimmed volume potentiometer; CD-direct switch; tape monitor. FR 0.2-300,000 Hz ±0, -3 dB; THD 0.005% at 3 V rms; line stage S/N 100 dB at 3 V rms output .....\$699

Bitstream D/A-converter card .....\$500

Plug-in MM/MC phono card .....\$150

**SUPERPHON**

**SP-100 Preamplifier**

5 inputs; 1 tape loop; gold-plated RCA connectors. Power regulation through 2-stage dual-mono shunt regulators; zero-gain, zero-feedback, direct-coupled, 1mp conversion line-stage. Panel controls with silver regulators; volume and balance controls. THD 0.0018%; S/N 95 dBA .....\$399

**TARA LABS**

**Passage Tube Preamplifier**

6 inputs; phono input; rhodium and copper-plated RCA connectors. Vacuum-tube design constructed from aluminum alloy with Class A power-supply regulator. Features Space & Time Internal wiring; Space & Time AC power cable; full tape-switching/dubbing facilities .....\$1,498

**Passage Line-Stage Tube Preamplifier**

6 inputs; gold-plated RCA connectors. Vacuum-tube, dual-mono design; 12AU7 vacuum tubes; Class A power-supply regulator. Features Space & Time internal wiring; Space & Time AC power cable; full tape-switching/dubbing facilities. FR 1-100,000 Hz .....\$995

**THRESHOLD**

**Model FET Ten/e Preamplifier**

1 unbalanced/balanced input and output; 5 line-level inputs; 2 tape loops. Features high-level noninverting FET design; external power supply; parallel input JFET's; secondary gain stages with cascoded MOS-FET's to suppress voltage fluctuations; military-grade glass-epoxy circuit boards with gold-over-nickel-over-copper-plated paths; gold-plated connectors with Teflon insulation; metal-film and wire-wound resistors used throughout. Controls for program-source selector, record-signal routing, and monitor-signal selection. Bandwidth 0-125,000 Hz; THD 0.01%; crosstalk 75 dB; noise -110 dBA referenced to 1 V input. 19 x 1 3/4 x 11 in .....\$3,200

**Model FET Nine/e Preamplifier**

3 line-level inputs; MM/MC phono input; 2 tape loops. Features noninverting FET design; external power supply; military-grade glass-epoxy circuit board with gold-over-nickel-over-copper-plated paths; gold-plated connectors with Teflon insulation; metal-film and wire-wound resistors used throughout. FR 0-125,000 Hz at -3 dB; THD 0.01% at 3 V rms 20-20,000 Hz into 10,000-ohm load; line-level input imp 25 kilohms. 19 x 1 3/4 x 11 in .....\$2,250

Without phono stage .....\$1,990

**VAC**

**CPA1 Tube Preamplifier**

6 line-level and 1 MM/MC phono inputs; 2 main outputs; tape-monitor loop. Features Class A tube design; separate power supply. Phono impedance and capacitance loading adjuster. Adjustable phono and

line gain. FR 20-20,000 Hz phono, 6.5-90,000 Hz line. High-gloss black-lacquer face plate. 55 lb .....\$3,890

**CLA1.** As above, no phono stage. Features switching, gain, and impedance buffering. 50 lb .....\$2,590

**Vintage Series Preamplifier**

4 line-level and 1 phono input; tape-monitor loop. Features Class A tube design .....\$1,950

**Vintage Series Line.** As above, no phono stage. Features switching, gain, and impedance buffering .....\$1,450

**WOODSIDE/RADFORD**

**SC 26 Tube Preamplifier**

2 buffered tape outputs. Separate power supplies for each stage; sealed reed relays for input switching; single-strand silver-plated Teflon-insulated wire. Input selectors for main and tape output. FR 5-50,000 Hz -1 dB; THD 0.1%; S/N 85 dB; sens 100 mV \$2,895

With optional phono stage. MC and MM inputs with custom transformers on phono board. THD 0.1%; S/N 80 dBA MM; sens 0.2 mV MC, 2 mV MM .....\$3,875

**WRIGHT AUDIO**

**Custom Series Tube Preamplifiers**

*The following feature a vacuum-tube design, point-to-point hard wiring, metal polypropylene capacitors, and an aluminum chassis with red-oak front and side panels. Each can accommodate 6 inputs and 4 outputs (tape recording, passive, low and high impedance). Controls include tape recording buffer and tape-monitoring switches. 3-yr parts warranty, 6 months on tubes.*

**PLT-1.** Phono and line gain stages with stepped, matched channel bass and treble controls .....\$875

**SP-2.** As above, high-impedance and tape outputs only .....\$595

**PT-1.** Phono stage only with stepped, matched-channel bass and treble controls .....\$775

**PL-1.** Phono and line gain stages .....\$725

**LT-1.** Line gain stage with stepped, matched-channel bass and treble controls only .....\$725

**P-1.** Phono stage only; passive line control .....\$625

**T-1.** Stepped, matched-channel tone control stage only; passive line control .....\$625

**L-1.** Line gain control stage only .....\$575

**YAMAHA**

**CX-2000 Digital A/V Preamplifier**

10 audio inputs; 4 video inputs; 4 digital inputs; 1 fiber-optic and 2 coaxial outputs; 5 audio and 2 video outputs. Includes 8x oversampling digital filter and dual D/A converters; auto sampling-rate selection. Continuously variable loudness control; 6-position MC/MM selector; source-direct switch; 12-position rec-out selector; simultaneous recording capability for 2 VCR's. 33 lb .....\$1,499

**CX-1000U Digital A/V Preamplifier**

4 coaxial and fiber-optic digital inputs; 4 video inputs; MM/MC phono input; 1 fiber-optic and 2 coaxial outputs; 5 audio outputs; 2 video outputs. Features 8x oversampling digital filter; dual D/A converters; auto sampling-rate selection. Continuously variable loudness control; 6-position MM/MC selector; source-direct switch; 12-position rec-out selector; simultaneous recording capability for 2 VCR's; audio mute; RS-system-compatible remote control. 28 lb .....\$1,199

**CX-830 A/V Preamplifier**

8 audio and 3 video inputs; switchable MC/MM phono input; gold-plated inputs; 4 audio and 2 video outputs. Features continuously variable loudness control; defeatable tone controls; source-direct switch; 8-position rec-out selector; switchable subsonic filter; RS-system-compatible programmable remote control. 12 lb .....\$699

**CX-630.** As above, 6 audio and 2 video inputs; 6-position rec-out selector. Features simultaneous recording capability for two VCR's. 11 lb .....\$449

**ACE AUDIO**

The following crossovers feature a shielded metal chassis and fiberglass circuit boards.

- Model 6500-SF Active Crossover**  
2 way. Crossover point set from 30-199 Hz via plug-in module. Designed for bi-amplification with stereo subwoofer. Features 12-dB/oct slope; 18-dB/oct subsonic filter at 15 Hz. Includes 1 plug-in module with buyer-specified crossover point ..... \$200
- Model 6500-DSB.** As above, without subsonic filter ..... \$175
- Model 6500-M.** As Model 6500-DSB, for mono subwoofer ..... \$175
- Model 6500-W.** As Model 6500-DSB, with dual level controls ..... \$175
- Additional plug-in modules ..... \$60

- Model 6000-SF Active Crossover**  
2 way. Crossover point set from 200-17,000 Hz via plug-in module. Features 12-dB/oct slope; 18-dB/oct subsonic filter at 15 Hz. Includes 1 plug-in module with buyer-specified crossover point ..... \$200
- Model 6000.** As above, no subsonic filter ..... \$175
- Additional plug-in modules ..... \$60

- Model 6000-6 Active Crossover**  
2 way. Crossover point set from 40-16,000 Hz via plug-in module. Features 1%-tolerance components; 6-dB/oct slope. Dual level controls. Includes 1 plug-in module with buyer-specified crossover point ..... \$195
- Additional plug-in modules ..... \$53

**Filters**

- Model 4100-X24b.** Ultrasonic/subsonic filter to roll off signals below 20 Hz at 24 dB/oct and above 20,000 Hz at 12 dB/oct ..... \$143
- Model 4000-X24.** Subsonic filter to roll off signals below 20 Hz at 24 dB/oct with -3-dB response at 20 Hz ..... \$132
- Model 4100b.** Ultrasonic/subsonic filter to roll off signals below 20 Hz at 18 dB/oct and above 20,000 Hz at 12 dB/oct ..... \$109
- Model 4000b.** Subsonic filter to roll off signals below 20 Hz at 18 dB/oct ..... \$99

**ACOUSTIC RESEARCH**

- Limited TSU 6-Band Equalizer**  
Tonal shaping unit. 6-band response correction system. 14 lb ..... \$2,200

**ACURUS**

- P10 Phono Preamplifier**  
For MM MC cartridges. Features discrete Class A circuitry; polypropylene capacitors. Gold-plated input and output jacks. Selectable gain and loading for MM and MC cartridges. 17 x 2 x 9 in ..... \$395

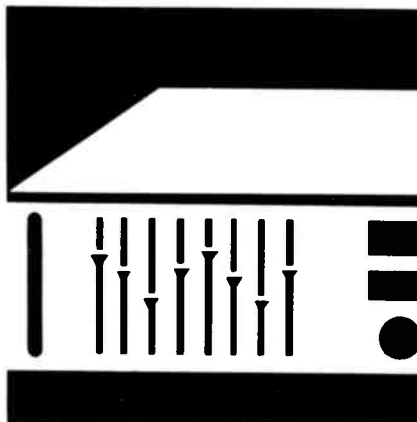
**AMERICAN HYBRID TECHNOLOGY**

- AHT/X Active Crossover**  
2 way. Custom-built crossover frequency, slope, and gain. External power supply. Line-level inputs. Preamp gain controls. FR 1-200,000 Hz; SN 120 dB; distortion 0.005%; input imp 10,000 ohms; output imp 100 ohms ..... \$5,200

- AHT/P Phono Preamplifier**  
For MC cartridges. Features external power supply; Vishay resistors; Teflon capacitors; WBT connectors; Lemo power supply connectors. FR 1-50,000 Hz; SN 98 dB ..... \$2,500

**ARCHER by RADIO SHACK**

- Archer Surround Processor/Amplifier**  
Stereo synthesizer. 3 selectable inputs; tape output. Tone control; front/rear and left/right balance controls. 5 W x 2; THD 0.5% at 1,000 Hz, 2 W; FR 40-20,000 Hz  $\pm$  3 dB front, 80-7,000 Hz  $\pm$  3 dB rear; SN 70 dB ..... \$130



**AUDIO by VAN ALSTINE**

- FET-Valve Phase Inverter Bridge**  
Converts preamplifier outputs to Inverted and non-Inverted stereo outputs allowing bridged-mono operation with pair of stereo common-ground amplifiers. Features vacuum tube and MOSFET circuitry. 9 x 3 x 7 in; 3 lb ..... \$395

**AUDIO CONTROL**

- R-130 Real-Time Spectrum Analyzer**  
30-band, 1/3-oct analyzer. XLR and RCA jacks. Pink-noise generator with level control and calibrated mic; display with selectable moving bar/dot and speed; mic/line monitoring; sens control; switchable 2/4-dB resolution. Optional rack mount ..... \$649

- C-131 30-Band Graphic Equalizer**  
30-band mono design. Features defeatable 18-dB/oct subsonic filter with selectable 15/25/35-Hz cutoff; high-speed, constant-Q circuitry; regulated power supply; level matching. XLR and RCA inputs. Slider controls. THD 0.005%; SN 105 dB; FR 10-85,000 Hz  $\pm$  0.5 dB. Optional rack mount and security cover ..... \$529

- C-101 Series Two 10-Band Equalizer/Analyzer**  
Center frequencies at 32, 60, 120, 240, 480, 960, 1,920, 3,840, 7,680, and 15,500 Hz;  $\pm$  15-dB boost/cut range. Features 18-dB/oct subsonic filter with -1 dB rolloff at 25 Hz, -3-dB rolloff at 20 Hz, and -21-dB rolloff at 10 Hz; phase-correlation and rumble-reduction circuits. Slider controls; spectrum-analyzer display; 2 peak-reading speeds; horizontal LED SPL indicators; variable input sens; auto mic/line input switching; pink-noise generator ..... \$429

- Richter Scale III EQ/Active Crossover**  
EQ with center frequencies at 22.5, 31.5, 45, 63, 90 and 125 Hz; 12-dB boost/cut range. 2-way crossover with user-selectable cutoff point from 20-20,000 Hz and 24-dB/oct slopes. Mono and inverted-mono outputs for bridging; gold-plated jacks; tape-monitor loop. Warble test-tone analyzer. FR 3-100,000 Hz  $\pm$  1 dB; THD 0.005%; input imp 100 kilohms; output imp 150 ohms, SN 120 dB ..... \$349

- Ten Plus Series Two 10-Band EQ/Analyzer**  
Center frequencies at 31, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 18-dB/oct subsonic filter. Paired slider controls; LED indicators; warble-tone analyzer. FR 3-100,000 Hz  $\pm$  1 dB; THD 0.005%; SN 120 dB ..... \$329

- Phase-Coupled Active Crossover/Bass Restorer**  
2 way. User-selectable crossover points from 20-20,000 Hz. Features patented bass-restoration circuitry; subsonic filter with 18-dB/oct slope; 18-dB/oct crossover slopes. Tape-monitor loop. Level control; bypass switch. FR 5-100,000 Hz  $\pm$  3 dB; SN 118 dB; THD 0.005%. Rack mountable ..... \$259

- Ten Series Two 10-Band Graphic Equalizer**  
Center frequencies at 31, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 18-dB/oct subsonic filter. Paired slider controls with LED's. FR 3-100,000 Hz  $\pm$  1 dB; THD 0.005%; SN 120 dB. 17 x 3 1/4 x 7 1/4 in ..... \$229

- The Architect 6-Band In-Wall-Speaker EQ**  
Center frequencies and filter Q's set to match in-wall speaker's FR characteristics. 18-dB/oct subsonic filter with programmable rolloff frequency. THD 0.005%; SN 110 dB; FR 5-50,000 Hz  $\pm$  3 dB ..... \$189

- Octave 10-Band Graphic Equalizer**  
Center frequencies at 31, 63, 125, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 18-dB/oct subsonic filter. Oct slider controls; rec EQ. FR 3-100,000 Hz  $\pm$  1 dB; SN 118 dB; THD 0.008%. 17 x 2 1/2 x 6 in; 6 lb ..... \$159

**AUDIO DESIGN ASSOCIATES**

- SSD-66 Surround-Sound Processor**  
6 channels with Dolby Pro Logic decoder and THX controller. Features auto balance; auto mono enhancement; music and film THX modes; digital volume control; 4-quadrant vector scope indicating volume levels; serial data communication port for integration with System 3000 multiroom AV system. 19 x 1 3/4 x 16 1/2 in ..... \$2,850
- SSD-66.** As above, without THX controller ..... \$1,695

**AUDIO RESEARCH**

- EC22 Active Crossover**  
2-way solid-state design. Auto/manual muting and level matching. FR 0.02-450,000 Hz -3 dB; SN 120 dB. 19 x 5 1/4 x 10 1/4 in ..... \$2,600

- PH1 Phono Preamplifier**  
2 inputs; 2 outputs; gold-plated RCA jacks. Features FET's; shielded toroidal transformer; discrete Class A circuitry. Manual muting; LED indicator. FR 10-60,000 Hz  $\pm$  0.25 dB; THD 0.005% at 0.25 V rms, 1,000 Hz; 48 dB gain at 1,000 Hz; input imp 47 kilohms; output imp 30 ohms; max input 160 mV rms at 1,000 Hz. 3-year warranty. 19 x 5 1/4 x 10 1/4 in; 10 lb ..... \$1,495

**AUDIOSOURCE**

- EQ-Ten 12-Band Equalizer/Spectrum Analyzer**  
Center frequencies at 25, 40, 63, 100, 160, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Features pink-noise generator; computer-controlled EQ for listening-room acoustics. 2 tape inputs and outputs. 4 EQ-curve presets; dubbing with or without EQ; LED display for LR channels; 12 LED indicators for spectrum analyzer; remote control. FR 5-120,000 Hz  $\pm$  1 dB; THD 0.008% at 1-V output. 16 1/2 x 3 1/2 x 8 3/4 in; 8 lb ..... \$430

- SS-Three/II Surround Processor**  
Features Dolby Pro Logic decoder; 30-W rear-channel amp; toroidal power transformer; switchable subwoofer crossover. Line-level outputs including center-channel and subwoofer. Variable subwoofer output-level control; adjustable time delay; auto balance and calibration for LR inputs; rear, center-channel, and master volume controls; remote control. FR 20-20,000 Hz  $\pm$  3 dB; SN 90 dB ..... \$400

- SS-Four Surround Processor**  
Features Dolby Pro Logic decoder; hall and matrix surround modes for non-Dolby encoded sources; digital time delay (30 or 50 ms) with hall and Dolby modes. 24 W x 2 center/rear-channel amps; auto-balance and digital logic circuitry; test signal generator for speaker-level adjustments. Line and tape inputs; subwoofer output; line-level outputs for center and surround channels; 1 unprocessed line-level output. Selectable center-and-rear-channel or dual-rear-channel operation; 4 LED output signal indicators for left, center, right, and surround channels; remote control. Subwoofer crossover point 100 Hz. 16 1/2 x 2 1/8 x 9 1/8 in; 9 lb ..... \$330



**EQ-Twelve 10-Band EQ/Spectrum Analyzer**

Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Features pink-noise generator; electret condenser mic. 3 audio inputs; 1 video input; dual tape-monitor loops. Separate listen/rec capability, power output meter; input level controls; defeatable sub-harmonics frequency filter. Rack mountable. FR 5-100,000 Hz  $\pm$  1 dB; THD 0.015%; SN 98 dB. 19 x 4 $\frac{3}{8}$  x 10 $\frac{1}{4}$  in; 10 lb ..... \$300

**SS-Two Surround-Sound Processor**

Synthesis and matrix surround processing. Features 30-W rear-channel amp. Line-level outputs. Adjustable time delay; LED audio-level indicators; remote control. FR 20-20,000 Hz,  $\pm$  3 dB; SN 85 dB ..... \$250  
**SS-One/II.** As above, without remote control... \$200

**EQ-Eleven 10-Band Equalizer/Spectrum Analyzer**

Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Unity gain capability. A v inputs; 2 tape-monitor loops; front-panel LED indicators ..... \$200

**EQ-Eight/II Equalizer/Spectrum Analyzer**

12-dB boost/cut range. 90-LED spectrum display; LED's on slide controls; EQ-rec switch; EQ defeat; tape-monitor switch. FR 5-100,000 Hz  $\pm$  1 dB; THD 0.03%; SN 80 dB. 16 $\frac{1}{2}$  x 2 $\frac{3}{8}$  x 7 $\frac{1}{8}$  in; 5 lb ..... \$160

**AZDEN**

**AVS-20 Audio Video Selector**

4 A v line inputs; mic input; 1 A v line output; 1 monitor output; S-video jacks. Mixing balance control. FR 10-100,000 Hz; ch sep 80 dB at 1,000 Hz ..... \$130  
**AVS-20.** As above, no mic mixer ..... \$110

**BAG END**

**ELF-1 Equalizer/Crossover**

12-dB/octave slope. Features digitally-controlled mono/stereo output; variable 8-80 Hz low-pass filter, 50-205 Hz high-pass. Balanced LR inputs and outputs. Time offset  $\pm$  25  $\mu$ s 0° phase shift electronically induced; THD + noise 0.05% at full output ... \$1,988

**BBE**

**BBE-1002 Sonic Maximizer**

Designed to enhance midrange presence by correcting phase and amplitude distortion inherent in speakers. Separate bass contour; definition controls \$229

**BRYSTON**

*The following components come with a 20-year parts and labor warranty.*

**Model 10B Active Crossover**

2 or 3 way. Cutoff frequencies: 70, 100, 140, 200, 300, 450, 700, 1,000, 1,400, 2,000, 3,000, 4,500 Hz. Features Independently selectable low- and high-pass points; 6-, 12-, or 18-dB/oct slope, 24- or 36-dB/oct slope Linkwitz-Riley alignment in mono mode; 1% metal-film resistors; polystyrene capacitors; gold-plated switches; discrete amplification buffer and filter stages. Front-panel switching controls filter settings, rolloff frequency, and slope; level controls in 1-dB increments. SN 90 dB; distortion 0.005%; normal input level 1 V; input imp 20 kilohms; output imp 100 ohms;  $\pm$  5 dB gain (high-pass) ..... \$1,195  
 With balanced inputs/outputs ..... \$1,350  
 With Linkwitz-Riley filters and custom cutoff points ..... \$1,395  
 With Linkwitz-Riley filters and balanced inputs/outputs ..... \$1,495

**TF-1 MC Phono Preamp**

MC phono stage. FR 5-30,000 Hz  $\pm$  0.5 dB; MC phono SN 85 dB unweighted. 2 x 3 x 4 in ..... \$750

**BP6 Phono Preamp**

For MM MC cartridges. Features balanced outputs; polarity inverter. MM phono sens 1.25 mV for 0.5-V

output at 1,000 Hz; MM phono overload 200 mV; SN 80 dB MM ..... \$650

**CARVER**

**DPL-33 Surround Processor/Amp**

5 channels with Dolby Pro Logic decoder. Features motor-driven master volume control. Hall surround mode; 2 delay settings; auto balance for Dolby decoding; test-tone generator; rear and center level controls; 20-LED output display; remote control. 25 W x 1 (center) + 15 x 2 (rear) from 20-20,000 Hz with 1% THD. FR 20-20,000 Hz +0, -0.3 dB; SN 85 dBA. 19 x 3 $\frac{3}{4}$  x 12 $\frac{3}{4}$  in ..... \$470

**H-9AV Sonic Hologram Generator**

Ambience enhancer. Features precognition circuitry for optimized soundtracks; dialog processor. Holography-level control. FR 10-20,000 Hz +0, -3 dB; THD 0.05%; SN 90 dBA. 19 x 2 x 3 $\frac{3}{8}$  in ..... \$400

**ECS-U Speaker-Enhancement System**

Sonic Hologram ambience enhance optimized for planar or reflecting-type speakers. 5 sonic enhancement/adjustment circuits; presence/listener distance circuit; sub-bass restoration circuitry. High-frequency trim; variable bass Q. Connects in tape-monitor or signal-processor loop. FR 5-20,000 Hz +0, -3 dB; THD 0.1%; SN 90 dBA. 9 x 2 $\frac{1}{2}$  x 9 $\frac{1}{4}$  in ..... \$350

**CARY**

**CAD-5500 Digital/Analog Processor**

Designed to tame bright sounds by routing signal through time-sequence and RF-filter stages. Features Class-A triode circuitry with four 12AX7 tubes; metal film resistors; toroidal power transformer; polystyrene and polypropylene capacitors; dual regulated 12-V DC power supply; printed circuit boards. 4 inputs; gold-plated Teflon inputs and outputs. Volume, balance and selector controls. SN 88 dB ..... \$1,695  
**CAD-5500S.** As above, with 2 inputs ..... \$1,295  
**Black Box.** As above, without volume, balance, or selector controls ..... \$995

**CELLO**

**Audio Palette MIV 6-Band Graphic Equalizer**

Center frequencies at 15, 120, 500, 2,000, 5,000, and 25,000 Hz; 24-dB boost/cut range. Class A discrete circuitry. One 3-pin Fischer balanced and 3 RCA unbalanced inputs. Nine 59-notch rotary controls; front-panel input selector; LR input-sens, absolute-phase, EQ, and output-level controls .. \$17,000  
**Audio Palette.** As above, with 1 balanced input ..... \$15,000

**Palette 6-Band Equalizer/Pwamplifier**

Center frequencies at 20, 120, 500, 2,000, 5,000, and 20,000 Hz. 5 RCA line-level inputs; 2 RCA rec outputs. LR input and output-level controls... \$6,500

**CROWN INTERNATIONAL**

**FFX-2 Active Crossover**

2- or 3-way mono network. Crossover frequencies set via plug-in resistors; 18-dB/oct high-pass and low-pass filters. FR 20-20,000 Hz  $\pm$  0.1 dB; THD 0.05%; SN 100 dB; input imp 20 kilohms balanced. output imp 600 ohms. 19 x 1 $\frac{3}{4}$  x 6 $\frac{1}{2}$  in; 5 lb .. \$345

**DB SYSTEMS**

**DB-3-36 Active Crossover**

2 way. Low- and high-pass outputs; diode-protected inputs. THD 0.0008%; input imp 90 kilohm; max output imp 1,400 ohms; rated output 3 V into 10 kilohms with 3-V input ..... \$565

**DB-3-24 Active Crossover**

2 way. Selectable frequencies. Features 24-dB/oct slope. Low- and high-pass outputs; 6-dB drop at crossover point. Requires DB-2A power supply or DBP-1 cable ..... \$490  
**DB-3-24-100.** As above, set at 100 Hz ..... \$405

**DB-5 Tone Control**

3 low- and 3 high-break frequencies; low-frequency-boost switch; outputs for sum and difference signals. FR 10-100,000 Hz  $\pm$  3 dB; SN 96 dB; THD 0.0008%. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. 8 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 7 in; 2.8 lb ..... \$420

**DB-3 Active Crossover**

2 way. Fixed-frequency with 6- or 12-dB/octave slope. Features separate power supply; screwdriver-adjustable output level. FR 10-100,000 Hz  $\pm$  1 dB; SN 100 dB; THD 0.003%. 8 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 7 in. 3 lb ..... \$292  
 3 way, 18 dB/octave ..... \$539  
 2 way, 18 dB/octave ..... \$384  
 2 way, 100 Hz, 18 dB/octave ..... \$322  
**DB-2A.** Power supply ..... \$125  
**DBP-1.** Aux cable ..... \$18

**DB-4B Phono Preamp**

For MC cartridges. Features low-noise cascode amps; diode-protected inputs. Internal low/medium/high-gain switch. THD 0.0008%; noise -86 dB at 1 mV; FR 10-100,000 Hz +0, -0.1 dB; max load 10 kilohms, 3,000 pF ..... \$205  
 With DBP-4 coupler, DB-2A power supply ..... \$275

**DB-7 Phase Inverter/Bridging Adaptor**

Features 18-dB/oct ultrasonic and subsonic filters. FR 10-100,000 Hz  $\pm$  1.5 dB; SN 109 dB; THD 0.003%. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. 6 $\frac{1}{4}$  x 2 $\frac{1}{4}$  x 4 $\frac{1}{2}$  in; 1 lb ..... \$205

**DBP-11 Phono Capacitance Switch Box**

Features front-panel-switchable 100-400-pF loading for 2 mm phono cartridges. Gold-plated phono jacks and plugs ..... \$80  
**DBP-11MC.** As above, with resistive values. 5-ohm load ..... \$80

**DBP-2J/5 Passive Switch Box**

Switching module with 10 inputs and 2 outputs for switching 5 audio sources. Selectable cartridge loading with DBP-6 or 6MC. A-B comparisons possible with 2 Y-adaptors ..... \$70  
**DBP-2JAU/5.** As above, gold-plated inputs/outputs ..... \$90  
 Alps volume control ..... \$40

**DBP-6 Phono Equalization Kit**

Adds 100-400-pF capacitance to phono input of preamp or receiver. 2 gold-plated Y-adaptors and phono plugs with polystyrene capacitors wired to 100, 150, 200, 300, and 400 pF. 1% metal-film resistive load included ..... \$37  
**DBP-6MC.** As above, for MC cartridges. 1% metal-film resistor loads of 10, 20, 50, 100, and 200 ohms. Two empty plugs included ..... \$37

**DECOURSEY**

**Model 120 Modular Crossover Systems**

*The following systems are modular designs consisting of a chassis and various plug-in filters; chassis and filter options are listed below.*

**Stereo Quad-amp, 2 SS.** 120-Q8 chassis; 6 dual filters; 2 SS or SSB filters (see subheading below for descriptions of these filters). 24- or 30-dB/oct slope ..... \$540  
 With 6-, 12-, or 18-dB/oct slope ..... \$441  
**Stereo Quad-amp, SW (Single Woofer) & SS.** 120-Q8 chassis; 6 dual filters; 1 SS or SSB filter; 1 summing circuit for mono subwoofer applications. 24- or 30-dB/oct slope ..... \$535  
 With 6-, 12-, or 18-dB/oct slope ..... \$436  
**Stereo Quad-amp, SW (Single Woofer).** 120-Q8 chassis; 6 dual filters; 1 summing circuit for mono subwoofer applications. 24- or 30-dB/oct slope ..... \$509  
 6-, 12-, or 18-dB/oct slope ..... \$410  
**Stereo Quad-amp.** 120-Q8 chassis; 6 dual filters. As above, 24- or 30-dB/oct slope ..... \$487  
 6-, 12-, or 18-dB/oct slope ..... \$388  
**Stereo Tri-amp, 2 SS.** 120-T8S chassis; 4 dual

filters; 2 SS or SSB filters. 24- or 30-dB/oct slope	\$408
6-, 12-, or 18-dB/oct slope	\$342
<b>Stereo Tri-amp, SW &amp; SS.</b> 120-T8S chassis; 4 dual filters; 1 summing circuit; 1 SS or SSB filter. 24- or 30-dB/oct slope	\$403
6-, 12-, or 18-dB/oct slope	\$337
<b>Stereo Tri-amp, SW.</b> 120-T8S chassis; 4 dual filters; 1 summing circuit. 24- or 30-dB/oct slope	\$376
6-, 12-, or 18-dB/oct slope	\$311
<b>Stereo Tri-amp.</b> 120-T8 chassis; 4 dual filters. 24- or 30-dB/oct slope	\$355
6-, 12-, or 18-dB/oct slope	\$289
<b>Monaural Quad-amp.</b> 120-Q8 chassis; 3 dual filters. 24- or 30-dB/oct slope	\$318
6-, 12-, or 18-dB/oct slope	\$252
<b>Stereo Bi-amp, 2 SS.</b> 120-B4S chassis; 2 dual filters; 2 SS or SSB filters. 24- or 30-dB/oct slope	\$270
6-, 12-, or 18-dB/oct slope	\$237
<b>Stereo Bi-amp, SW &amp; SS.</b> 120-B4S chassis; 2 dual filters; 1 summing circuit; 1 SS or SSB filter. 24- or 30-dB/oct slope	\$266
6-, 12-, or 18-dB/oct slope	\$233
<b>Stereo Bi-amp, SW.</b> 120-B4S chassis; 2 dual filters; 1 summing circuit. 24- or 30-dB/oct slope	\$239
6-, 12-, or 18-dB/oct slope	\$206
<b>Monaural Tri-amp.</b> 120-T4 chassis; 2 dual filters. 24- or 30-dB/oct slope	\$231
6-, 12-, or 18-dB/oct slope	\$198
<b>Stereo Bi-amp.</b> 120-B4 chassis; 2 dual filters. 24- or 30-dB/oct slope	\$206
6-, 12-, or 18-dB/oct slope	\$184
<b>Monaural Bi-amp.</b> 120-B4 chassis; 1 dual filter. 24- or 30-dB/oct slope	\$185
6-, 12-, or 18-dB/oct slope	\$139

### Model 120 Crossover Chassis

Wired and fitted with filter sockets, output jacks, and regulated power supply for specified crossover system.

Model 120-Q8	\$116
Model 120-T8	\$107
Model 120-B4	\$94

### Active Filters

<b>Plug-in Dual Filter Module.</b> High- and low-pass filter in single circuit board. 24- or 30-dB/oct slope	\$62
With 6-, 12-, or 18-dB/oct slope	\$46
<b>Plug-in Filter Module.</b> Single high-pass and low-pass filter. Matched pair	\$51
<b>500 Series Filter.</b> Dual filter design as above. Designed for wiring into OEM and home-built equipment. Separate inputs and outputs	\$48
<b>SS Filter.</b> Plug-in subsonic or ultrasonic filter	\$26
<b>SSB Filter.</b> Plug-in subsonic filter with bass-boost	\$25

### DYNACO

#### QD Series II Surround Processor

5-ch passive decoder. Creates L-R rear ambience channel and L+R center channel. Features rear channel gain control with 5,000 Hz rolloff

### ESOTERIC SOUND

#### Phono Equalizer

6 selectable turnover points and 6 selectable rolloffs. Turnovers: flat, 300 Hz, 400 Hz, RIAA, LP, and 700 Hz. Rolloffs: flat, -5 dB, -10 dB, -12 dB, RIAA, and NAB. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.02%; hum and noise 85 dB; max input 3.5 V rms

### EXPRESSIVE TECHNOLOGIES

#### SU-1 Phono Preamp

For MC cartridges. Gain 28 dB fixed; overload 1 V; FR 0.7-150,000 Hz  $\pm$  0.1 dB; S/N 100 dB

### FISHER

#### CAV-975 Surround Processor Amp

Dolby Pro Logic decoder with Dolby Surround, stadi-

um, simulated, and concert-hall surround modes. 2 audio and 4 AV inputs; S-video inputs; front-panel composite/S-video AV input. Dolby 3 stereo mode; normal and phantom center-channel modes; test-tone generator; selectable 15-, 20-, or 30-ms digital delay; input-balance control; audio and AV rec-out selectors; tone and balance controls; remote control. 20 W x 3 into 8 ohms from 20-20,000 Hz with 0.4% THD (center, rear)

### EQ-961 7-Band Graphic Equalizer

Center frequencies at 64, 160, 400, 1,000, 2,500, 6,300, and 15,600 Hz; 10-dB boost/cut range. 5 presets; spectrum analyzer with level control; twin FL display; EQ rec and bypass; tape monitor; peak hold and dimmer switches; remote control. FR 20-20,000 Hz  $\pm$  0.5% dB; THD 0.01%; S/N 100 dB; gain  $\pm$  0.2 dB. 2-yr warranty. 17% x 4 1/2 x 10 7/8 in; 8 lb

### FOSGATE-AUDIONICS

#### Model Three Surround Processor

7 channels with 9 surround modes including Dolby Pro Logic and THX. Features proprietary steering circuitry; active crossover for mono/stereo subwoofers. 4 composite video and 2 S-video AV inputs. Separate rec bus; pink-noise generator; remote control

#### Model Two Surround Processor/Amplifier

10 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; proprietary steering circuitry; 60-W/ch amp. Mono and stereo subwoofer outputs. Adjustable delay; pink-noise generator; remote control. FR 5-100,000 Hz

#### Model One Surround-Sound Processor

6 channels with 9 operating modes. Features proprietary steering circuitry; 60-W/ch amp. Subwoofer output. Bass equalizer; pink-noise generator. Frequency response 5-100,000 Hz; total harmonic distortion 0.05%. 17 x 3 1/2 x 11 in; 11 lb

### GOLD SOUND

Except for Model 30M8, the following are rack mountable and have black anodized-aluminum front panel and smoked-plexiglass security cover.

#### Model 30M8 30-Band Spectrum Analyzer

Portable 1/3-octave, 30-band real-time design. Line and mic input. 8 presets; LED FR display from 25-20,000 Hz; SPL range of 50 to 145 dB; flat A and C weighting. Includes calibrated, omnidirectional mic with 12-V battery and charger

#### GS424SEQ Active Crossover/Equalizer

2 way. 4-channel biamp design; crossover point variable from 40-9,000 Hz. Features Linkwitz-Riley filters; subsonic filter; fixed bass EQ; stereo subwoofer and stereo midrange/tweeter outputs. High-pass, low-pass, and midrange controls. S/N 102 dB; THD 0.02%; input 0.75 V

#### GS224SEQ Active Crossover/Equalizer

2 way. Crossover point variable from 40-4,200 Hz. Features fixed bass EQ; Linkwitz-Riley filters; 24-dB/oct slope; subsonic filter. Stereo bass and stereo midrange/tweeter outputs. High- and low-pass con-

trols. S/N 102 dB; total harmonic distortion 0.002%; input level 0.75 V

### GS424 Active Crossover

2 or 3 way. Crossover point variable from 40-9,000 Hz. Features Linkwitz-Riley filters; 24-dB/oct slope. High-pass, low-pass, and midrange controls. S/N 102 dB; THD 0.002%; input 0.75 V

### GS224 Active Crossover

2 way. Crossover point variable from 40-4,200 Hz. High-pass and low-pass controls. S/N 102 dB; THD 0.002%; input level 0.75 V; crossover slopes 24 dB/oct

### HARMAN KARDON

#### AVP-1 Surround-Sound Processor/Preamplifier

Dolby Pro Logic decoder. Features rock, jazz, pop, chamber, and orchestra ambience presets; THX mode; 35- and 70-mm movie modes. Test noise sequencer; AV rec-out circuit; output-level controls; AV input switching; panorama control

#### EQ8 10-Band Graphic Equalizer

Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Subsonic filter with 6-dB/oct slope and continuously variable cutoff. Tape-monitor loop. Input-level controls; rec-out EQ; LED overload indicators. FR 5-140,000 Hz  $\pm$  0, -3 dB; signal-to-noise ratio 105 dBA; total harmonic distortion 0.02% from 20-20,000 Hz. 17% x 4 x 13 7/8 in; 12 lb

### HARRISON LABS

#### F-MOD Active Filter

1 channel. Active-crossover simulator with 12-dB/oct slope; 12 high-pass and 12 low-pass models available. Requires no power input. RCA-jack input and RCA-plug output. Features color-coding for frequency recognition; gold plating. Distortion 0.05%. 3/8 diameter x 2 in length

#### PF-MOD Active Filters

The following active crossover modules require no power input. Each features an internal 20-year battery charged by line-level input, 2 RCA gold-plated full-range inputs, 4 gold-plated RCA outputs, crossover-point selection via jumper settings, 15-dB/oct slopes, and 0.04% distortion. Each measures 2 x 2 x 1 1/2 in.

**LP1.** Designed for woofer/subwoofer amplifiers. Two 50-, 70-, 100-, or 150-Hz low-pass outputs; 2 full-range outputs

**HP1.** Designed for midrange/tweeter amplifiers. Two 50-, 70-, 100-, or 150-Hz high-pass outputs; 2 full-range outputs

**HP2.** Designed for tweeter amplifiers. Two 3,500-, 4,000-, 6,000-, or 8,000-Hz high-pass outputs; 2 full-range outputs

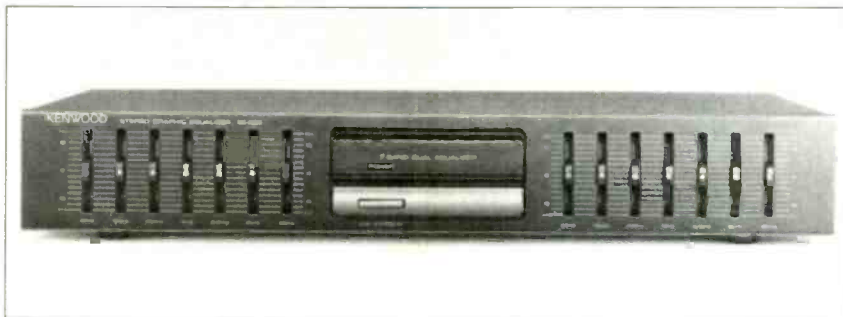
**BP1.** Designed for midrange amplifiers. 2 band-pass outputs from 50, 70, 100, or 150 Hz to 3,500, 4,000, 6,000, or 8,000 Hz; 2 full-range outputs

**BP2.** Designed for midbass amplifiers. 2 band-pass outputs from 50, 70, 100, or 150 Hz to 100, 120, 150, or 200 Hz; 2 full-range outputs

**2W1.** 2-way crossover for biamp. 2 high-pass and 2 low-pass outputs. Crossover point 50, 70, 100, or 150 Hz



Harman Kardon AVP-1



Kenwood GE-292

**2W2.** Two 3,500-, 4,000-, 6,000-, or 8,000-Hz high-pass outputs; two 50-, 70-, 100-, or 150-Hz low-pass outputs. Can be combined with BP1 filter for triamplifying ..... \$70

**HUGHES**

**AK-100 Sound Retrieval System**

Designed to increase depth and realism of audio recordings. 3-D LED display; center, space, and output level controls; reverberation trim, 3-D mono, SRS on/off, display on/off, bar/dot display, and loop input switches. 4 line inputs and outputs. FR 20-20,000 Hz; THD + noise 0.010% at 1,000 Hz (bypass mode), 0.025% at 1,000 Hz (SRS mode); SN 93 dB (bypass mode) at 1.4 V rms, 98 dB (SRS mode) at 1.4 V rms. 17 x 4 x 11 1/2 in; 8 lb ..... \$299

**Retriever.** As above, without LED display. THD + noise 0.5% (SRS mode); SN 82 dB (SRS mode). 16 1/2 x 2 3/8 x 7 in ..... \$179

**JRM**

**Model 3PBP/X8 Active Crossover**

2, 3, or 4 way. Features 18-dB/oct slopes; polypropylene capacitors; gold-plated electromechanical devices; sub- and ultrasonic filters. Stereo/mono subwoofer outputs. High/low-pass points set via plug-in modules. THD 0.001%; SN 94 dB ..... \$1,125  
**3PBP/X4.** As above, 2 way only ..... \$750

**Remote 6-Band Graphic Equalizer**

Requires JRM preamp or 3PBP crossover as base unit. Features gyrator circuits; 2% polypropylene capacitors; gold-plated electromechanical devices. Separate LR controls; -35 dB continuously variable loudness range; switched resistor EQ and balance controls; unity gain control. FR 4-50,000 Hz +0, -3 dB; THD 0.001%; SN 98 dB ..... \$625

**JVC**

**SU-A400 Surround Processor/Amplifier**

2 channels with Dolby Surround decoder. Features 10 W x 2 amp for rear-channel speakers. Line-level output; headphone jack. Hall and simulated surround ambience presets; adjustable (15-30 ms) delay time; LR calibration control; rear-speaker volume control; remote control. 10 W x 2 into 8 ohms from 40-20,000 Hz with 0.5% THD. FR 20-20,000 Hz ±3 dB hall/simulated. 30-7,000 Hz ±3 dB Dolby Surround; SN 85 dB hall/simulated. 63 dB Dolby Surround. 17 1/4 x 2 1/4 x 11 1/8 in; 8 lb ..... \$305  
**SU-A30.** As above, no remote control ..... \$235

**Super Digifine Series**

**XP-A1010TN Digital Ambience Processor**

4 or 6 channels. Features 16-bit, 4x-oversampling O/A converter; 16-bit, 64x-oversampling A/D converter with 48-kHz sampling rate; motor-driven volume control. Line-level inputs and outputs; fiber-optic and coaxial inputs and outputs. 20 preset and 20 user-programmable sound fields; adjustable room-size, liveness, low-pass-filter, reverb-level, high-frequency rolloff, and offset-delay ambience parameters; auto 32/44.1/48 kHz sampling-rate switching for coaxial

DAT input; remote control. FR 5-100,000 Hz +0, -3 dB; THD 0.002% at 1,000 Hz; SN 110 dB. 17 1/4 x 4 x 14 1/4 in; 13 lb ..... \$1,200

**KENWOOD**

**GE-7030 14-Band Graphic/Parametric EQ**

Center frequencies at 40, 63, 98, 160, 250, 400, 625, 1,000, 1,500, 2,500, 3,900, 6,300, 10,000, and 16,000 Hz; ±12 dB boost/cut. Features 3-band parametric EQ with wide/narrow Q switching. Mic input with mixing; tape-monitor loop. Independent LR level adjustment; 27-band spectrum analyzer; 30 preset EQ curves; self-demo mode. FR 10-70,000 Hz ±3 dB; THD 0.006% at 1,000 Hz; SN 100 dB. 17 3/8 x 5 7/8 x 14 7/8 in; 11 lb ..... \$380

**SS-992 Surround Processor/Amplifier**

3 channels. Features Dolby Pro Logic decoder with normal, wide, and phantom center-channel modes; Dolby 3 Sterec mode; Dolby Time Link digital-delay system. Theater and hall surround modes; test-tone generator; auto input balancing; Dolby Pro Logic delay variable from 15-30 ms in 1 ms steps; theater/hall-mode delay variable from 0-30 ms in 1 ms steps; master volume control; FL display; remote-control compatibility. 30 W x 1 (center) + 15 x 2 (rear). FR 40-6,000 Hz Dolby; SN 62 dB at 1,000 Hz. 17 3/4 x 5 x 12 3/4 in; 11 lb ..... \$300

**GE-4030 7-Band Graphic Equalizer**

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; switchable 12- or 6-dB boost/cut range. Tape-monitor loop. Independent LR level adjustment; 7-band spectrum analyzer with adjustable level; 5 factory and 5 user EQ presets; dual FL level meters; defeat switch; EQ rec capability; line/tape selector. FR 10-50,000 Hz +0 dB, -1.5 dB; THD 0.006% at 1,000 Hz; SN 100 dB. 17 3/8 x 3 7/8 x 10 7/8 in; 8 lb ..... \$250

**SS-592 Surround Processor/Amplifier**

2 channels with Dolby Surround decoder. Motor-driven volume control. Theater and hall surround modes; switchable digital delay; input-balance control; calibration indicator. 10 W x 2 (rear) rms into 8 ohms from 40-5,000 Hz with 0.9 THD; FR 40-6,000 Hz Dolby; SN 62 dB at 1,000 Hz. 17 3/4 x 5 x 12 3/4 in; 11 lb ..... \$200

**GE-292 7-Band Graphic Equalizer**

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz. Features defeat switch; lighted slider controls; 1 unswitched AC outlet ..... \$80

**KINETIC AUDIO**

**3-Point Passive Crossover/Level Control**

Low-pass, mono crossover/level-controller with 60, 90, 180 Hz cutoff points. Can be built into Kinetic subwoofers. Features mid high-pass filter; crossover level control; Imp 6-8 ohms ..... \$200

**4-Point Passive Crossover**

Low-pass mono design with 60, 90, 180, and 350 Hz crossover points. Can be built into Kinetic subwoofers. Imp 6-8 ohms ..... \$200

**KLYNE AUDIO ARTS**

**Model 7PX2/B Phono Preamplifier**

Provides RIAA EQ for MC cartridges. External dual-bridge power supply, OFC balanced connections. Adjustable gain and high-frequency contour. Bandwidth 0.5-150,000 Hz; input imp variable from 100-47,000 ohms, output imp 300 ohms. 19 x 2 1/2 x 11 5/8 in; preamp 20 lb, power supply 3.4 lb ..... \$3,750  
**Model 7PX2.** As above, output not balanced \$3,450

**KOSS**

**EQ/30 3-Band Graphic Equalizer**

Center frequencies at 100, 1,000 and 8,000 Hz; ±10-dB boost/cut range. Compact design for portable systems. Operates on 2 AAA batteries. Includes belt clip. THD 0.2%. 2 1/2 x 2 x 1 in ..... \$40

**KRELL**

**KBX Active Crossover**

3 way (mono), 2 way (stereo). For any frequencies; fully balanced ..... \$3,500

**KPA Phono Preamp**

2 MM MC phono inputs. features DC coupling; Class A circuitry ..... \$2,700

**B&W 800 Series Active Bass Alignment Filter**

For B&W speaker models 800, 801, 802 ..... \$1,200

**DSN-1 Digital Source Switcher**

Multi-input, multi-output digital switching network. 2 coaxial, 2 Toslink, and 1 balanced digital inputs; 2 Toslink and 2 coaxial digital outputs. AT&T fiber optics available ..... \$950

**LAZARUS**

**LPH 1 Tube Phono Preamp**

MM and MC phono inputs. Features gain controls. SN 85 dB MM, 67 dB MC; input imp 47,500 ohms, output 600 ohms; sens 1 mV MM, 0.18 mV MC; max output 50 V rms; gain 60 dB at 1,000 Hz MC, 40 dB MM. 19-in rack panel available. 17 x 3 1/4 x 9 in; 18 lb ..... \$799

**LEXICON**

**CP-3 THX Surround Processor**

4 input selectors. Software upgradable. Features THX surround mode; 32 character alphanumeric display; 9-segment input level display. Input imp 100 kilohms; output imp 500 ohms; THD 0.023% at 1,000 Hz; FR unprocessed 10-100,000 Hz +1, -3 dB; FR processed 10-18,000 Hz +1, -3 dB; SN 90 dB. Rack mount adaptors and hardware included. 17 1/2 x 3 3/4 x 14 1/2 in; 18.3 lb ..... \$2,995

**CP-1 Digital Environment Processor**

Features auto azimuth-error correction for Dolby Surround. Software upgradable; performs ambience extraction and synthesis; reverb; 32-character alphanumeric display; 12-segment headroom display; 2 back-illt mute indicators. SN 85 dB; input imp 50,000 ohms; output imp 500 ohms. 17 x 2 1/2 x 12 1/2 in; 11 lb ..... \$1,495

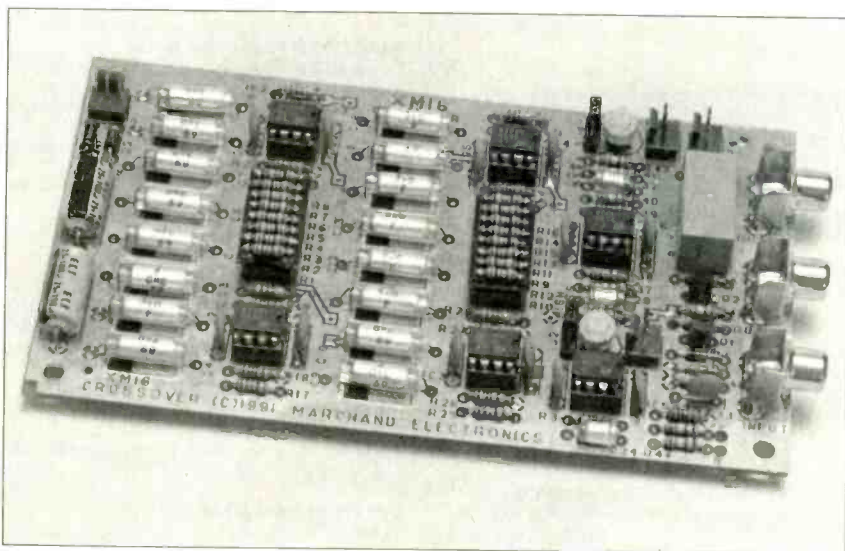
**CP-2 Digital Surround Processor**

Features auto azimuth and auto input balance; software upgradability; 16-bit DA converter; polypropylene capacitors. 6 outputs. 12-segment parametric display; remote control. SN 85 dB; input imp 50 kilohms; output imp 500 ohms. 17 x 2 x 12 in; 11 lb ..... \$995

**LUXMAN**

**F-116 Digital Surround Processor**

Features AD and DA converter, Dolby Pro Logic decoder; proprietary decoding logic program for mono film soundtracks. Parameter adjustments; balance control; rear delay adjustment (0-32 ms). Center-channel and subwoofer outputs. FR 10-16,000 Hz +1, -3 dB; SN 80 dBA; THD 0.05% ..... \$800



Marchand XM16-A

**MAGTONE**

**KA-1500 Karaoke Mixer**

3 mic and 3 AV inputs. Digital pitch display; input selector; auto vocal elimination; MPX switch for music only; digital echo, time, and repeat; 19-step, 1/4-note pitch control; 2-wire remote for key control; volume, master-mic volume, 3 mic-level, and tone controls. 16 1/2 x 2 1/2 x 12 in; 9 lb ..... \$369

**K-903XD Karaoke/Echo Mixer**

4 mic and 2 AV inputs. MPX switch for music only; input selector; auto vocal elimination; LED level meter; volume, delay-time, echo-time/mic-defeat, tone, and 2 mic level controls. 17 x 3 x 10 in; 7 lb ..... \$189

**M&K**

**LP-1S Active High-Pass Crossover**

For biamp applications. Crossover point 100 Hz with 18-dB/oct slope. Available in 8 1/2-in front panel or 19-in rack mount. Includes bypass switch ..... \$350  
Without bypass switch ..... \$325

**VF-100 High-Pass Filter**

100-Hz crossover point; 6-dB/oct slope. Available with impedance of 37.5, 37.5-75, or 75 kilohms \$50

**MARANTZ**

**AX-1000 Digital Signal Processor**

Microprocessor-based computer. Features upgradeable design with plug-in cards; auto listening-room anomaly correction via AKG microphone and calculation of 14 digital filters per channel; 27-band real-time analyzer; 3-band parametric EQ; surround decoding for digital and analog sources; sound stage reduction expansion via 11 presets; dynamic range compression expansion with reference-level and release-time controls; headphone processor designed to place sound stage in front of listener; user-adjustable LP-scratch processor. Coaxial and fiber-optic digital inputs; coaxial digital output; analog inputs and outputs. Two 4-in color LCD screens display operating information; adjustable target-FR curve; concert-hall ambience mode; adjustable delay, decay, and reverb times; sine-wave, white-noise, and pink-noise generators; remote control with trackball ..... \$15,000

**Music Link Series**

**PH-22 Phono Preamplifier**

Provides RIAA, Europe Standard Play I, Europe Standard Play II, and flat EQ. Features discrete Class A differential-mode FET's for MM amplification; Perm-

alloy-core transformer with OFC windings for MC amplification; Infrasonic roll-off in accordance with latest IEC RIAA standard; isolated power supply; die-cast non-magnetic alloy chassis with copper plating. Output attenuator. FR 20-20,000 Hz ±0.5 dB (RIAA). Gold finish. 9 3/4 x 3 3/8 x 8 1/2 in; 9.5 lb ..... \$1,099

**MARCHAND**

**XM6 Active Crossover**

2 way. Features low- and high-pass filters with 24-dB/oct slopes. Crossover points user-adjustable from 20-5,000 Hz; LED display of crossover frequency; summing mode for mono subwoofer applications; L/R level controls; damping control; remote control with 15-ft cable. FR 2-100,000 Hz +0.2 dB, -3 dB; THD 0.01% at 1,000 Hz; output imp 10 ohms; S/N 110 dB. 17 x 2 7/8 x 8 1/2 in ..... \$495

**WM8-AA Parametric Bass Equalizer**

Employs 4-amplifier quadratic filter with additional op-amps; rumble filter; 20-Hz subsonic filter; high-speed op-amps; film capacitors; metal-film resistors. Bypass and tape-monitor switches; rotary control for each channel. FR 2-100,000 Hz +2 dB, -3 dB; THD 0.01% at 1,000 Hz; S/N 110 dB; output imp 10 ohms. 17 x 2 7/8 x 8 1/2 in ..... \$345  
WM8-KK. Kit form of above ..... \$225  
WM8-A. As above, no cabinet or power supply. \$85

**XM16-3AA Active Crossover**

3 way. Crossover points user-specified from 20-5,000 Hz. Features low- and high-pass filters with 48-dB/oct slopes. RCA input/output connectors. Level controls. FR 0-100,000 Hz ±0.2 dB; THD 0.001% at 1,000 Hz; output imp 50 ohms; S/N 110 dB ..... \$475

XM16-3KK. As above, unassembled kit ..... \$379  
XM16-AA. As XM16-3AA, 2-way version ..... \$325  
XM16-A. As XM16-AA, unassembled kit ..... \$265

**XM9-3AA Active Crossover**

3 way. Crossover points user-specified from 20-5,000 Hz. Features low- and high-pass filters with 24-dB/oct slopes. RCA input/output connectors. Level controls. FR 0-100,000 Hz ±0.2 dB; THD 0.001% at 1,000 Hz; output imp 50 ohms; S/N 110 dB ..... \$375  
XM9-3KK. As above, unassembled kit version \$299  
XM9-AA. AS XM9-3AA, 2-way version ..... \$275  
XM9-KK. AS XM9-AA, unassembled kit version \$225

**XM1 Active Crossover Module**

2 way. Crossover points user-specified from 20-5,000 Hz. Features low- and high-pass filters with 24-dB/oct slopes. FR 0-100,000 Hz ±0.2 dB; THD 0.01% at 1,000 Hz; output imp 10 ohms; S/N 110 dB ..... \$24  
XM1-K. As above, unassembled kit version ..... \$20

**MARK LEVINSON**

**LNC-2 Active Crossover**

Features modular design; 2 high pass and 2 low pass filters with 18-dB/oct slopes; optional 6-dB or 12-dB slopes for 3-way stereo operation; Camac connectors; separate power supply; 10-turn locking potentiometer controlling output level. On/off switch for each filter; internal stereo/mono switch. THD 0.002%; wideband noise 102 dBV unweighted; accuracy within 5% of specified crossover point; load regulation 0.05%; wideband noise output 18 µV ..... \$4,000

**McINTOSH**

**MQ 107 7-Band Equalizer**

Center frequencies for each channel user-programmable. Features level matching; variable high-frequency control. 10 lb ..... \$699

**MEMOREX**

**DS-10 Surround Processor/Amp**

Dolby Surround decoder. Input balance control. 20 W x 2 or 5 x 4. Black finish with gold lettering ..... \$130

**MIRROR IMAGE AUDIO**

**Model .2P Phono Preamplifier**

MM/MC input. Features adjustable gain; adjustable input imp and capacitance. MM-phono sens 2 mV at 1,000 Hz; S/N 85 dB MM, 80 dB MC ..... \$850

**MOD SQUAD**

**Phono Preamplifier**

Features solid-state hybrid circuitry combining J-FET, bipolar, and MOSFET transistors; optional external power supply; direct-coupled circuitry with proprietary oc servo control; star-center grounding and star-feed power lines; nonferrous, nonmagnetic chassis. Volume and balance control. MM and MC inputs; front-panel-selectable loading for MC input plus internal, user-definable loading option; direct



Magtone KA-1500

output. Gain (at 1,000 Hz) 46 dB MM, 66 dB MC; 20-200,000 Hz +1, -3 dB MM, FR 20-120,000 Hz +1, -3 dB MC; THD 0.06% MM, 0.08% MC; S/N 80 dBA MM, 66 dBA MC. 16½ x 2¾ x 10 in; 11 lb ..... \$1,695

**MSB TECHNOLOGY**

**MSB Passive Switcher**

Passive level control and switching network. Interweaved layers of electromagnetic and electrostatic shielding. Hand-wired discrete-resistor stepped attenuators; Cardas rhodium jacks; isolated LR channel grounding network. 6 inputs, 2 outputs. Black front panel and EAR Isodamp feet ..... \$1,495

**MTX SOUNDCRAFTSMEN**

**Pro-EQ 44 21-Band Graphic Equalizer**

Center frequencies ½-oct below 1,000 Hz and ⅔-oct above 1,000 Hz; 15-dB boost/cut range. Features differential/comparator unity-gain circuitry; digital CMOS switching for tape monitor; EQ rec and defeat. THD 0.01%; S/N 114 dB ..... \$549

**Pro-EQ 22 10-Band Graphic Equalizer**

15-dB boost/cut range. Features differential/comparator unity-gain circuitry; digital CMOS switching for monitor, tape-rec, and EQ defeat. THD 0.01%; S/N 114 dB ..... \$349

**MUSEATEX**

**HES-5500 Surround Processor**

Dolby Pro Logic/Dolby Surround decoder and THX controller. Features adjustable digital delay (16-36 ms); floating-charge power supply. Buffered outputs; stereo subwoofer outputs. Programmable, non-volatile memory; software-driven volume and switching functions; switchable EQ and center-channel low-frequency filter circuitry; adjustable input sens; remote control. FR 20-20,000 Hz ± 0.5 dB, 50-7,000 Hz (side and rear channels); THD 0.1%, 0.3% (side and rear channels); S/N 90 dBA. 5-yr warranty. . . . \$1,395

**Melior EXO-1 Active Crossover**

2 way. Selectable crossover point at 50, 63, 80, or 100 Hz. Features 24-dB/oct slopes. Line-level inputs; passive and active high-pass outputs; mono and stereo low-pass outputs. FR 0-100 Hz; S/N 95 dB. 5-yr warranty. 7¼ x 3 x 13¼ in; 8 lb ..... \$699

**NAIM**

**NAXO3-6 Active Crossover**

3 way. User-specified crossover points. Features 18-dB/oct slopes. Designed for flat-response speakers. Input imp 10 kilohms; output imp 47 ohms . . . \$1,235

**NAXO2-4.** As above, 2 way ..... \$1,235

**NESTOROVIC LABS**

**NL12A Active Crossover**

2 way. 200-Hz crossover point. Stereo subwoofer output. High- and low-pass level controls. S/N 90 dB; THD 0.01%; input imp 50 kilohms; output imp 100 ohms ..... \$935

**NIKKO**

**EQ 150 7-Band Equalizer**

2 channels. ½-oct spacing; 10-dB boost/cut range. LED slide controls; switchable tape EQ. Rated output 6 V rms; FR 5-70,000 Hz; THD 0.001%; S/N 95 dB. 16½ x 3½ x 10 in ..... \$99

**OCM**

**Model 10 Phono Preamp**

Features loading and gain adjustment for MC and MM cartridges. Direct-coupled design with DC-servo loop. Double-sided, fiberglass-epoxy circuit board; silver-plated wiring. Gold-plated RCA jacks. MM output 1-10 mV; MC output 0.2-1 mV; MM/MC input imp 47 kilohms; MM/MC THD 0.05%. Anodized black-aluminum faceplate ..... \$1,195

**ONKYO**

**ES-600PRO Surround Processor/Amp**

Dolby Pro Logic and Dolby Surround decoder. Features discrete output stages. Hall, and stadium ambience presets; normal, wide, and phantom center-channel modes; Dolby 3 Stereo mode; adjustable digital rear-channel delay; master-volume and input-balance controls; FL display; programmable remote control. 50 W x 1 (center) + 20 x 2 rms (rear). 17⅞ x 3⅝ x 12⅝ in; 13 lb ..... \$400

**Integra EQ-540 12-Band Graphic Equalizer**

Center frequencies at 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, 32,000 Hz; switchable 12- or 6-dB boost/cut range. Features warble/single-frequency signal generator with step and sweep modes; master attenuator (0 to 20 dB); frequency display; LED level indicators; input attenuator. Includes mic. THD 0.01%; S/N 100 dB. 17⅞ x 3½ x 14⅝ in; 10 lb ..... \$400

**Integra EQ-35 12-Band Graphic Equalizer**

Center frequencies at 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, and 32,000 Hz; switchable 12- or 6-dB boost/cut range. Features 10-tone signal generator with step and sweep modes; master attenuator (0 to -20 dB); signal-flow display; LED level indicators. THD 0.01%; S/N 100 dB. 17⅞ x 3½ x 14⅝ in; 10 lb ..... \$330

**ES-300 Surround Processor/Amplifier**

Dolby Surround decoder. Discrete output stages. Hall and theater ambience presets; 3-step time delay; master volume control; separate volume for LR channels. 30 W x 2 rms ..... \$280

**EQ-201 7-Band Graphic Equalizer**

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz; 12-dB boost/cut range. Tape-monitor loop. Features spectrum analyzer; EQ defeat; LED level indicators. THD 0.01% ..... \$250

**EQ-101.** As above, without spectrum analyzer \$160

**OPTIMUS BY RADIO SHACK**

**Model 31-2025 10-Band Equalizer**

Features spatial expander. 2 tape-monitor loops. Spectrum analyzer. S/N 95 dB. 16¼ x 2⅝ x 8½ in; 6 lb ..... \$120

**PACKBURN**

**Model 323A Audio Noise Suppressor**

Single-ended design with defeatable transient noise-suppressor; 6-position treble EQ. Features fixed cut-off points with 8-dB/oct slope. Input metering; channel balance control; enhance/suppress switch; cutoff frequency meter. XLR and RCA inputs and outputs. Rack mountable. Bass FR ± 0.5 dB to 10 Hz; treble FR varies from 3,000-15,000 Hz depending on EQ setting; 20-dB input-level range; IM 0.05% at 60 and 7,000 Hz; S/N 75 dB. 19 x 10 x 7 in ..... \$2,650

**PARAMOUNT PICTURES**

**FX-5000 Surround Processor**

6 channels with Dolby Pro Logic decoder. 6 line-level and 3 speaker-level outputs. Features hall and matrix ambience presets; 15 W x 2 amp for rear channels, 25 W x 1 amp for center channels. Delay, rear- and center-level, and master volume controls; test mode. FR 20-20,000 Hz -3 dB; THD 0.01%; S/N 85 dB IHF. 19 x 3⅞ x 12⅝ in; 14 lb ..... \$480

**FX-3001S Surround Processor**

6 channels with Dolby Pro Logic decoder. Features 24 W x 2 rear-channel amp, 12 x 3 center-channel amp. Line-level and tape inputs; unprocessed line and surround outputs; processed center, subwoofer, and tape-rec outputs. 5 ambience presets including hall and matrix; delay rear-, center-level, and volume controls; test mode; remote control. FR 20-20,000 Hz (matrix), 100-7,000 Hz (Dolby and hall); THD 0.25%; sep 65 dB (center, surround), 45 dB (LR); input imp

47 kilohms, output imp 470 ohms. Black finish. 16½ x 2⅞ x 9⅞ in; 9 lb ..... \$300

**FX-3000 Surround Processor**

6 channels with Dolby Pro Logic decoder. Features 25 W x 2 amp for rear channels. 6 line-level outputs including subwoofer; 2 rear speaker-level outputs. 3 ambience presets including mono-enhance; delay, center-channel balance, null, and volume controls; test tone; remote control. FR 18-20,000 Hz; THD 0.025%; sep 65 dB (center, surround), 45 dB (LR); input imp 47 kilohms, output imp 470 ohms. 17 x 2¾ x 9½ in; 9 lb ..... \$300

**PIONEER**

**SP-700D Digital Signal Processor**

Features Dolby Pro Logic decoder, 16-bit A/D and D/A converters; 4x-oversampling digital filter; motor-driven volume control. 16 factory and 16 user ambience presets; 7-band digital graphic EQ; SR-system compatibility; remote control ..... \$735

**GR-777 10-Band Graphic Equalizer**

Center frequencies at 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000 and 16,000 Hz; 10-dB boost/cut range. Features dual 10-band spectrum analyzers; 5 factory and 5 user EQ presets; remote control. FR 5-70,000 Hz +0 dB, -3 dB; S/N 110 dB; THD 0.02%. 16⅝ x 3⅝ x 12¼ in; 9 lb ..... \$385

**VSP-333 Surround Processor/Amplifier**

Features Dolby Surround decoder; 30 W x 2 rear-channel amp. 3 video inputs. Selectable 15-, 20-, or 30-ms digital delay; stadium and simulated-surround ambience presets. THD 0.15% ..... \$290

**GR-555 7-Band Graphic Equalizer**

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 10-dB boost/cut range. Tape-monitor loop. Dual 7-band spectrum analyzers; EQ-defeat switch. FR 10-50,000 Hz +0 dB, -3 dB; THD 0.02%; S/N 104 dB. 16⅝ x 4⅞ x 13⅞ in; 9 lb ..... \$240

**GR-470 7-Band Graphic Equalizer**

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 10-dB boost/cut range. LED indicators. FR 5-50,000 Hz +0 dB, -3 dB; THD 0.03%; S/N 106 dB. 16⅝ x 2⅝ x 8⅞ in; 5 lb ..... \$125

**Elite Series**

**SP-91D Surround Processor**

Features Dolby Pro Logic decoder; 50-bit DSP with 16-bit A/D converter, 4-channel 18-bit D/A converter, and 8x-oversampling filter; 16 factory ambience presets including jazz club, hall, and church; 16 user-defined ambience presets; 7-band graphic EQ; FL display; SR-system compatibility; remote control. 18 x 3⅝ x 3¼ in; 13 lb ..... \$1,000

**POINTSOURCE**

**PR10 Phono Preamp**

Dual-mono, Class A design. MM/MC load resistance and capacitance. 19 x 3½ x 8 in ..... \$775

**PROTON**

**SD-100# Surround Processor**

4 inputs, 9 outputs. Features ambience-presets including cinema, music, and stereo-bypass. Dialog scatter reduction circuitry; input balance; 7 output trimmers; remote control with mute. FR 12-85,000 Hz ± 1 dB; S/N 80 dB; THD 0.008%; adj-ch sep 40 dB. 16½ x 9¾ x 2¼ in; 9 lb ..... \$600

**PS AUDIO**

**PS Phono Link Phono Preamp**

Passive design for MM/MC cartridges. Features gold-plated Tiffany connectors. Front-panel touch-sensitive switching for cartridge loading; low-imp high-current output. FR 20-20,000 Hz ± 0.25 dB; S/N 74 dB MC, 85 dB MM; THD 0.1%. 17 x 2½ x 9 in; 15 lb ..... \$599

**QUICKSILVER**

**Moving-Coil Phono Transformer**

Provides 23 dB gain for any phono cartridge. Output Imp 1 to 40 ohms. No external cables or power required ..... \$335

**RANE**

**THX 44 11-Band Graphic/Parametric Equalizer**

Home THX-certified. 4 channels; left, center and right each feature 11-band 1/3-oct graphic section for low frequencies and 2-band parametric for high frequencies; 2-band parametric EQ for subwoofer channel; frequency range 1,000-10,000 Hz, 20-80 Hz. FR 20-20,000 Hz; THD 0.005%; S/N 120 dBA ..... \$1,299

**SANSUI**

**SE-3100 10-Band Graphic Equalizer**

Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Mic input. Features spectrum analyzer; defeat switch; peak hold; dimmer switch ..... \$150

**SESCOM**

**PO-40 5-Band Graphic Equalizer**

Mono. Center frequencies at 60, 240, 1,000, 3,000, 10,000 Hz; 12-dB boost/cut range. Features defeat switch ..... \$104

**PO-16 2-Band Parametric Equalizer**

Mono. Center frequencies at 20 or 100 Hz and 10,000 or 20,000 Hz; 10-dB boost/cut range. 1 RCA input and output per band. Defeat switches ..... \$92

**PO-11 Phono Preamplifier**

Features stereo line output and summed-mono output; rear-panel input/output RCA jacks ..... \$83

**SNELL DIGITAL**

**M.O.S. Digital Signal Processor**

Designed to eliminate undesirable sonic characteristics of speakers and compensate for listening-room aberrations. Computer dynamically alters equalization and group delay of signal going to speaker to cancel phase shifts, response aberrations, and most room resonances. Features open architecture based in MusicSoft Music Operating System to support optional plug-in software. Analog and digital inputs/outputs. Compatible with all Snell speakers.... \$NA

**SONOGRAPHE**

**SX1 Active Crossover**

2 way. 110-Hz crossover point with 24-dB/oct low-pass and 12-dB/oct high-pass filters. Features poly-

styrene and polypropylene capacitors; metal-film resistors ..... \$495

**SONY**

**SEQ-711 7-Band Graphic Equalizer**

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, and 16,000 Hz; 10-dB boost/cut range. 5 factory EQ presets; 10 user-defined EQ presets; dual spectrum analyzers; remote control ..... \$240

**SOUND CONCEPTS**

**SSD550 Surround Processor**

Matrix decoder derives rear channel from surround video sources. 2 front- and 2 rear-channel outputs. High-frequency rolloff from -3 to +6 dB; front mix level 0-100%, rear level 0-100%. Input imp 60 kilohms min; output imp 300 ohms max; FR 20-10,000 Hz +1, -3 dB; dynamic range 90 dB; signal-to-noise ratio 85 dB ..... \$975

**IR2100 Image-Restoration System**

Stereo image enhancer. Features continuously variable speaker/listener angle, 20-100° control. 15-ft remote cable. S/N 80 dB; distortion 0.1% max. \$360  
**IR2200.** As above, without remote ..... \$199  
**KIR-1.** As IR2100, unassembled kit version .. \$105

**VSP-1 Stereo Synthesizer**

Creates simulated stereo from mono sources. Features 10-band harmonically-related frequency divisions. S/N 80 dB ..... \$179  
**KVSP-1.** As above, unassembled kit version .. \$100

**SOUND ENGINEERING**

**PFM-8 EQ/Tape-Deck Interface**

Features meters; switchable pre/post-EQ tape outputs ..... \$2,450

**PFM-9 Active Crossover**

Features 2-way/3-way configuration; linear-phase, Class A design ..... \$2,050

**PFM-0 Phono Preamplifier**

For MC cartridges. Low-noise design ..... \$1,050

**SUMO**

**Delllah II 2-Way Active Crossover**

Independently selectable low- and high-pass points at 50, 75, 100, 150, and 200 Hz with 12-dB/oct slopes. Bridgeable stereo and mono low-pass outputs. Front-panel selector for frequencies and slopes; switchable 6- or 12-dB/oct low-pass filter with level control. FR 20-20,000 Hz ± 0.1 dB; THD 0.008%; S/N 95 dB; input Imp 50 kilohms; output imp 100 ohms. 19 x 1 3/4 x 8 3/4 in; 10 lb ..... \$579

**SYMETRIX**

**Model 511A Noise Suppressor**

Reduces hiss, hum, RF buzz, and background noise by up to 30 dB. Single-ended design; high-frequency filter and downward expander with independent thresholds; subsonic filter ..... \$599

**SX201 Parametric Equalizer**

Center frequencies variable from 16-512, 196-6,300, and 668-22,000 Hz; bandwidth variable from 0.5-3.3 octaves; +15 to -30 dB boost/cut. Line-level inputs; balanced/unbalanced 1/4-in connectors ..... \$279

**TEAC**

**EQA-22 10-Band Graphic Equalizer**

Center frequencies at 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 2 tape loops; EQ-defeat and pre/post EQ switches; spectrum display ..... \$140

**EQA-3 10-Band Graphic Equalizer**

Center frequencies at 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Features EQ-defeat; tape monitor switches. 17 1/2 x 2 5/8 x 7 7/8 in; 6.6 lb ..... \$100

**TECHNICS**

**SH-GE70 7-Band Equalizer/Spectrum Analyzer**

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 12,500 Hz; 12-dB boost/cut range. Dual spectrum analyzers; tape-rec EQ switch; 12-curve memory. FR 5-100,000 Hz -3 dB; THD 0.005%; S/N 105 dB ..... \$179

**SH-8038 7-Band Graphic Equalizer**

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz; 12-dB boost/cut range. Low-noise/distortion IC op-amp. Slider controls; 2-channel display; reverse switch for equalized tape; calibrated dB scale; LED indicators. FR 5-100,000 Hz +0, -3 dB; THD 0.005%; S/N 110 dB. 17 x 3 x 7 1/2 in ..... \$120

**THRESHOLD**

**Model FET Ten/e Phono Preamplifier**

Provides RIAA equalization for MM/MC inputs. Features FET design; external power supply; metal-film and wire-wound resistors. Choice of balanced or unbalanced outputs; gold-plated connectors with Teflon insulation. 16 selectable cartridge-loading characteristics. Crosstalk -70 dB at 20,000 Hz with 1,000-ohm source. 19 x 1 3/4 x 11 in ..... \$2,500

**YAMAHA**

**DSP-E200 Surround Processor/Amp**

Add-on processor with Dolby Pro Logic decoder, DSP, and 3-channel amp. Line-level front LR and center-channel outputs; tape-monitor loop. Concert-video, mono-movie, rock-concert, and concert-hall ambience presets; normal, wide, and phantom center-channel surround modes; auto input balance; test-tone generator for Dolby Pro Logic mode; digital delay; separate level controls for front, center, and rear channels; LCD; remote control. 25 W x 3 into 8 ohms at 1,000 Hz with 0.08% THD (center, rear). 17 5/8 x 5 7/8 x 11 5/8 in ..... \$499

**EQ-550 10-Band Graphic Equalizer**

Center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Features pink-noise generator; electret-condenser mic; FL spectrum-analyzer display; meter-level adjust; output-level control; switchable subsonic filter. S/N 105 dB; THD 0.005% ..... \$399

**EQ-70 10-Band Graphic Equalizer**

Center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Features output-level control; tape monitor with EQ rec function; defeat switch; LED illuminated slide controls ..... \$179



Yamaha DSP-E200

# S P E A K E R S

## A&S

### D'Appolito Aria 7 2-Way Speaker

Bass-reflex design with two 7-in Kevlar woofers and 1-in soft-dome tweeter. Power handling 30 W; FR 45-20,000 Hz; S/N 89 dB SPL/W/m; nom imp 4 ohms; crossover point 2,400 Hz. Black-lacquer finish with black knit grille. 9 x 45 x 10 in; 55 lb ..... \$950/pr

### D'Appolito 717 2-Way Speaker

Bass-reflex design with two 6½-in Kevlar woofers and 1-in soft dome tweeter. Power handling 30 W; FR 50-20,000 Hz; S/N 87 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. 9 x 45 x 10 in ..... \$895/pr

### D'Appolito Aria 5 2-Way Speaker

Bass-reflex design with two 5¼-in Kevlar woofers and 1-in soft-dome tweeter. Power handling 30 W; FR 62-20,000 Hz; S/N 90 dB SPL/W/m; nom imp 4 ohms; crossover point 2,500 Hz. Black-lacquer finish with black knit grille. 9 x 19 x 10 in; 30 lb ..... \$725/pr

### Power Tower 3-Way Speaker

Acoustic-suspension design with 12-in polypropylene woofer, 5¼-in midrange, and ¾-in titanium-dome tweeter. Power handling 30 W; FR 35-20,000 Hz; S/N 91 dB SPL/W/m; nom imp 8 ohms; crossover points 250 and 4,500 Hz. Black or oak finish with black knit grille. 15 x 37 x 11 in; 68 lb ..... \$725/pr

### Black Dahlia MkII 2-Way Speaker

Bass-reflex design with 7-in woofer and 1-in titanium dome tweeter. Power handling 30 W; FR 48-20,000 Hz; S/N 88 dB SPL/W/m; nom imp 8 ohms. Black-lacquer finish with black knit grille. 10½ x 17¼ x 10½ in; 60 lb ..... \$715/pr

### Dynomonitor 2-Way Speaker

Bass-reflex design with 7-in woofer and 1-in soft-dome tweeter. Power handling 30 W; FR 55-20,000 Hz; S/N 87 dB SPL/W/m; nom imp 8 ohms; crossover point 2,200 Hz. Black, walnut, or oak finish with black knit grille. 10 x 14 x 12 in; 27 lb ..... \$615/pr

### J-2 2-Way Speaker

Bass-reflex design with 6½-in poly cone woofer and 1-in soft dome tweeter. Power handling 80 W; FR 50-20,000 Hz; imp 4 ohms; crossover 2,500 Hz. Stained or black oak finish. 10 x 14 x 12 in; 27 lb ..... \$399/pr

### Baby Boomer Subwoofer

12-in driver with dual voice coils. Power handling 50 W; FR 35-120 Hz; S/N 90 dB SPL/W/m; nom imp 4 ohms; crossover point 120 Hz. Black, oak, or walnut finish with black knit grille. 18 x 18 x 19 in ..... \$250

### Versa-6 2-Way Speaker

Bass-reflex design with 6½-in polypropylene woofer and 1-in titanium-dome tweeter. Power handling 30 W; FR 55-20,000 Hz; S/N 87 dB SPL/W/m; nom imp 8 ohms; crossover point 4,000 Hz. Black or oak finish with black knit grille. 10 x 16 x 18 in; 25 lb ..... \$248/pr

### Versa-5 2-Way Speaker

Acoustic-suspension design with 5¼-in poly-cone midbass driver and 1-in cloth dome tweeter. Power handling 50 W; FR 70-20,000 Hz; Imp 8 ohms; crossover at 40,000 Hz. Stained or black oak finish with black knit grille. 8 x 12 x 7 in; 15 lb ..... \$195/pr

## ACCLAIM/MAVERICK

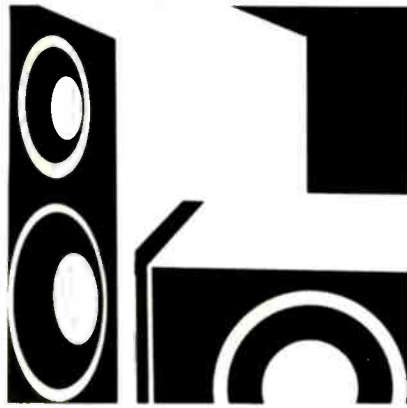
*Unless otherwise noted, the following are full-range systems comprising 1 or more bass modules and 2 ribbon-type midrange/tweeter panels.*

### Nonspeaker Reference Subwoofer

18-in aperiodic pressure-release driver. Power handling 1,000 W cont avg; FR 27-100 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 8 ohms. Black-lacquer finish with black grille ..... \$4,999

### Ebony Subwoofer

15-in aperiodic pressure-release driver. Power handling 250 W cont avg; FR 28-150 Hz ± 3 dB; sens 94



dB SPL/W/m; nom imp 5 ohms. Black-oak finish with black grille. 16 x 18 x 29 in ..... \$1,599

## Maverick Series

### Signature One

4 bass modules, each with 21-in aperiodic pressure-release subwoofer, and two 9-ft dipole panels, each with twenty-five 3½-in-square ribbon midranges and ribbon tweeter. Power handling 1,000 W cont avg; FR 26-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Black grille ..... \$44,000

### Signature Two

2 bass modules, each with 18-in aperiodic pressure-release subwoofer, and two 9-ft dipole panels, each with twenty-five 3½-in-square ribbon midranges and ribbon tweeter. Power handling 500 W cont avg; FR 27-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Black grille ..... \$28,000

### Signature Three

2 bass modules, each with 18-in aperiodic pressure-release subwoofer, and two dipole panels, each with sixteen 3½-in-square ribbon midranges and ribbon tweeter. Power handling 400 W cont avg; FR 27-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Real granite finish with black grille ..... \$22,000

## Nonspeaker Granite Series

*The following feature solid-granite baffles and woofer tops, and die-cast magnesium woofers.*

### Ribbon Reference One

18-in aperiodic pressure-release subwoofer and 2 dipole panels, each with sixteen 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 27-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Black grille ..... \$14,000

### Ribbon Reference Two

2 bass modules, each with 15-in aperiodic pressure-release subwoofer, and 2 dipole panels, each with nine 3½-in-square ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 4 ohms. Black grille ..... \$8,999

### Designer Three

2 bass modules, each with 15-in aperiodic pressure-release subwoofer, and 2 dipole panels, each with nine 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 4 ohms. Black mesh grille ..... \$8,999

### Designer Four

12-in aperiodic pressure-release subwoofer and 2 dipole panels, each with four 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 29-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 4 ohms. Black mesh grille ..... \$5,999

## Ribbon Reference Five

15-in aperiodic pressure-release subwoofer and 2 dipole panels, each with six 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 6 ohms. Black grille ..... \$4,999

## Imager Series

### Imager III

3 bass modules, each with 15-in aperiodic pressure-release subwoofer, and two dipole panels, each with four 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille ..... \$4,800

### Imager II

3 aperiodic pressure-release subwoofer enclosures, each with 15-in and 6-in driver, and two dipole panels, each with 3½-in-sq ribbon midrange and ribbon tweeter. Power handling 200 W cont avg; FR 28-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille ..... \$3,000

### Imager I

2 bass modules, each with 6-in aperiodic pressure-release woofer, and two dipole panels, each with 3½-in-sq ribbon midrange and ribbon tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille ..... \$2,200

## Ebony Series

### Ribbon Reference

2 bass modules each with 15-in aperiodic pressure-release subwoofer, and two dipole panels, each with eight 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 6 ohms. Black-lacquer finish with black grille ..... \$3,999

**Ribbon System.** As above, with 2 ribbon midranges. FR 28-22,000 Hz ± 3 dB. Black oak finish ..... \$2,999

### Ribbon Tower 3-Way Speaker

6-in aperiodic pressure-release woofer, 3½-in ribbon midrange, and ribbon tweeter. Power handling 200 W cont avg; FR 35-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille ..... \$1,999/pr

### Model Tan 2-Way Speaker

6-in aperiodic pressure-release woofer and ribbon tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; nom imp 5 ohms. Black oak finish with black grille ..... \$999/pr

### Model Seven 2-Way Speaker

5-in aperiodic pressure-release woofer and ribbon tweeter. Power handling 200 W cont avg; FR 50-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; nom imp 5 ohms. Black oak finish with black grille ..... \$699/pr

## Acclaim Series

### Type 123

12-in aperiodic pressure-release subwoofer and two satellites, each with 6-in cone-midrange and one ¾-in dome-tweeter. Power handling 200 W cont avg; FR 29-25,000 Hz ± 5 dB; sens 94 dB SPL/W/m; nom imp 5 ohms. Oak finish with black knit grille ..... \$799

### Type 83 2-Way Speaker

8-in aperiodic pressure-release woofer and ¾-in dome-tweeter. Power handling 200 W cont avg; FR 39-25,000 Hz ± 5 dB; sens 93 dB SPL/W/m; nom imp 5 ohms. Oak finish with black knit grille. 10 x 12 x 19 in ..... \$599/pr

### Type 82 2-Way Speaker

8-in aperiodic pressure-release woofer and ¾-in dome-tweeter. Power handling 200 W cont avg; FR 49-25,000 Hz ± 5 dB; sens 93 dB SPL/W/m; nom imp 5 ohms. Oak finish with black knit grille ..... \$399/pr

# S P E A K E R S

## ACOUSTAT

### Spectra 6600 Electrostatic Speaker

6 electrostatic elements. Each mirror-image array contains full-range line-source sector and adjacent sectors that handle mid/low and low-bass frequencies; solid wood with brass electrostatic inlay. Power handling 100 W; nom Imp 4 ohms. Dark oak and black, beige, charcoal-gray, or light-gray grille. Optional wood finishes. 34 $\frac{1}{4}$  x 94 x 17 in. \$6,500/pr

**Spectra 4400.** As above, 4 electrostatic elements. 24 x 94 x 17 in. \$4,200/pr

**Spectra 3300.** As above, 3 electrostatic elements; compatible with SPW-1 subwoofer. 34 $\frac{1}{4}$  x 78 x 14 in. \$3,400/pr

**Spectra 2200.** As above, 2 electrostatic elements; compatible with SPW-1 subwoofer. 23 x 66 x 14 in. \$2,400/pr

### Spectra Systems

Spectra 3300 and SPW-1 \$4,000

Spectra 2200 and SPW-1 \$3,500

### Spectra 1100 Subwoofer/Electrostatic System

Hybrid design combining acoustic-suspension 8-in woofer and electrostatic panel. Each panel contains line-source sector operating above 300 Hz and adjacent sectors for midrange and frequencies below to 300 Hz; removable spiked feet. Biwire/biamp terminals. Power handling 75 W; nom imp 4 ohms. Solid wood with brass electrostatic inlay. Dark-oak-veneer woofer box, optional veneer finishes. 16 x 67 $\frac{1}{2}$  x 16 $\frac{1}{4}$  in. \$1,700/pr

### Spectra 11 Subwoofer/Electrostatic System

Hybrid design combining acoustic-suspension 8-in woofer and electrostatic panel. Each panel contains line-source sector operating above 300 Hz and adjacent sectors for midrange and frequencies below 300 Hz. Power handling 75 W; nom imp 4 ohms. Black fabric with black matrix or dark-oak-laminated woofer box. 15 x 72 x 14 $\frac{1}{4}$  in. \$1,200/pr

### SPW-1 Spectra Subwoofer

Ported cabinet with four 6 $\frac{1}{2}$ -in side firing woofers (2 per channel). For use with Spectra 2200/3300. Power handling 100 W; nom imp 12 ohms; crossover point 100 Hz. 23 x 20 x 17 in. \$600

## ACOUSTIC ENERGY

### AE2 2-Way Speaker

Ported design with two 5-in metal-cone drivers and 1-in metal-dome speaker. Power handling 250 W cont avg; FR 60-18,000 Hz  $\pm$  2.5 dB; sens 90 dB SPL/W/m; min imp 5.5 ohms. Available in plano black, satin black, black texture, or rosewood-veneer finish. 9 $\frac{1}{4}$  x 15 $\frac{1}{4}$  x 13 in. \$2,795/pr

**STAE2.** 26-in black speaker stand for above with 2 columns, die-cast top, and base supports with high-tensile spikes. \$1,370/pr

### AE1 2-Way Speaker

Ported design with 5-in metal-cone woofer and 1-in metal-dome tweeter. Power handling 200 W cont avg; FR 70-22,000 Hz  $\pm$  2.5 dB; sens 88 dB SPL/W/m; min imp 8 ohms at 250 Hz. Black texture, piano black, satin black and rosewood-veneer. 7 x 11 $\frac{1}{8}$  x 10 in. \$1,895/pr

**STAE1.** 26-in black speaker stand for above with tubular alloy column, die-cast top, and base supports with high tensile spikes. \$900/pr

## ACOUSTIC INTERFACE

*The following feature a 15-year limited warranty.*

### Sound Prism 3-Way Powered Speaker

Triamplified vented-horn design with 24 x 52-in compression woofer, 24-in horn midrange, 6 $\frac{1}{2}$ -in horn tweeter, 1,500-W woofer amp, 300-W midrange amp, and 100-W tweeter amp. Features infrared or fiber-optic transmitter from amp to speaker; voltage/current, tweeter/thermal overload, clipping, and dc protection. Midrange and tweeter-level controls. FR

10-20,000 Hz  $\pm$  1 dB; sens 105 dB SPL/W/m; THD 0.09% at 100 dB; Imp 8 ohms; crossover points 550 and 5,000 Hz. Oiled walnut or oak finish. 27 x 80 x 36 in; 500 lb. \$30,000/pr

### Sound Portal 3-Way Speaker

Vented-horn with 24 x 15-in compression woofer, 24-in horn midrange, 5-in horn tweeter. Features tweeter-overload protection; midrange and tweeter level controls. FR 15-20,000 Hz  $\pm$  2.5 dB; THD 0.1% at 100 dB; sens 101 dB SPL/W/m; imp 8 ohms; crossover points 800 and 5,000 Hz. Oiled walnut or oak cabinet. 27 x 80 x 36 in; 175 lb. \$15,000/pr

### Studio Reference 3-Way Speaker

Vented 12-in woofer, 15 x 4-in horn midrange; 5 $\frac{1}{4}$  x 2-in horn tweeter. Features tweeter-overload protection; midrange and tweeter level controls. FR 22-20,000 Hz  $\pm$  2.5 dB; THD 0.3% at 100 dB; sens 98 dB SPL/W/m; imp 8 ohms; crossover points 880 and 5,000 Hz. Oiled walnut or oak cabinet with black cloth grille. 16 x 60 x 14 $\frac{1}{4}$  in; 102 lb. \$4,380/pr

### Professional Series III 4-Way Speaker

Vented 12-in woofer, 3-in dome midrange, 1 $\frac{1}{2}$ -in dome mid-tweeter, and 3 $\frac{1}{4}$ -in tweeter. Midrange, mid-tweeter, and tweeter controls. FR 25-20,000 Hz  $\pm$  2.5 dB; THD 0.5% at 100 dB; crossover points 600, 2,000, and 7,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet with black cloth grille. 16 x 48 x 14 $\frac{1}{4}$  in; 90 lb. \$2,580/pr

### Tremor Powered Subwoofer

Vented design with two 12-in woofers in separate subenclosures; 800 W x 2 amp with active crossover. FR 29-200 Hz  $\pm$  2.5 dB; THD 1% at 100 dB; sens 96 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet with black cloth grille. 27 x 63 $\frac{1}{4}$  x 16 in; 150 lb. \$1,990

No amp, passive crossover. \$1,290

### Professional Series IIS 3-Way Speaker

Vented 12-in woofer, 2-in dome midrange, and 1-in dome tweeter. Midrange and tweeter level controls. FR 29-20,000 Hz  $\pm$  2.5 dB; 0.9% THD at 100 dB; sens 95 dB SPL/W/m; imp 8 ohms; crossover points 800 and 6,600 Hz. Oiled walnut or oak cabinet with black cloth grille. 16 x 36 x 14 $\frac{1}{4}$  in; 80 lb. \$1,780/pr

### Transcendent 2-Way Speaker

Vented 12-in woofer, 1 $\frac{1}{4}$ -in dome midrange/tweeter. Features midrange and tweeter level controls. FR 38-20,000 Hz  $\pm$  2.5 dB; THD 1% at 100 dB; sens 94 dB SPL/W/m; imp 8 ohms; crossover point 1,900 Hz. Oiled walnut or oak cabinet with black cloth grille. 16 x 32 x 11 $\frac{3}{4}$  in; 51 lb. \$980/pr

### Intimate 2-Way Speaker

Acoustic-suspension design with 10-in woofer, 1-in dome tweeter. Features tweeter level control. FR 49-20,000 Hz  $\pm$  2.5 dB; THD 2% at 100 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Oiled walnut or oak cabinet with black cloth grille. 12 x 24 x 10 $\frac{1}{4}$  in; 29 lb. \$580/pr

### Shadow 2-Way Speaker

Acoustic-suspension design with 8-in woofer, 1-in dome tweeter. FR 69-20,000 Hz  $\pm$  2.5 dB; THD 2% at 100 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Cylindrical cabinet covered with black, brown or white cloth grille. 24 $\frac{1}{2}$  high x 8 $\frac{3}{4}$  in diameter. \$380/pr

### Angstrom 2-Way Speaker

Acoustic-suspension design with 6 $\frac{1}{2}$ -in woofer, 1-in dome tweeter. FR 78-20,000 Hz  $\pm$  2.5 dB; THD 2% at 100 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Walnut or oak finish. 7 $\frac{1}{2}$  x 12 $\frac{7}{8}$  x 6 $\frac{1}{2}$  in; 9 lb. \$380/pr

Charcoal-enamel finish. \$300/pr

## ACOUSTIC RESEARCH

### Athena Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil, woofer in filtered suspension enclosure. Two satellites, each with 3 $\frac{1}{2}$ -

in midrange and 3 $\frac{1}{4}$ -in liquid-cooled fabric-dome tweeter. Bass module features forced air cooling. Satellites feature magnetically shielded cabinets. 40 lb total. \$599

Wall mount kit for satellite speakers. \$49

### Classic Series

*The following feature a symmetrical radiation configuration and an internally-braced high-density MDF cabinet.*

### Model 30 3-Way Speaker

Acoustic-suspension design with two 10-in mineral-filled polypropylene-cone woofers, two 5 $\frac{1}{4}$ -in poly-cone midranges, and one 1-in soft-dome tweeter. FR 38-20,000 Hz  $\pm$  0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 200 and 3,000 Hz. 11 x 51 $\frac{1}{2}$  x 15 in. \$2,400/pr

### Model 26 3-Way Speaker

Acoustic-suspension design with two 8-in mineral-filled polypropylene-cone woofers, two 5 $\frac{1}{4}$ -in poly-cone midranges, and one 1-in soft-dome tweeter. FR 45-20,000 Hz  $\pm$  0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 200 and 3,000 Hz. 9 $\frac{7}{8}$  x 45 $\frac{1}{2}$  x 12 $\frac{3}{8}$  in. \$1,800/pr

### Model 18 3-Way Speaker

Acoustic-suspension design with one 8-in mineral-filled polypropylene-cone woofer, two 5 $\frac{1}{4}$ -in poly-cone midranges, and one 1-in soft-dome tweeter. FR 45-20,000 Hz  $\pm$  0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 200 Hz and 3,000 Hz. 9 $\frac{7}{8}$  x 35 $\frac{1}{2}$  x 12 $\frac{3}{8}$  in. \$1,600/pr

### Model 10 2-Way Speaker

Vented design with two 5 $\frac{1}{4}$ -in poly-cone woofers and one 1-in soft-dome tweeter. FR 40-20,000 Hz  $\pm$  0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover point 3,000 Hz. 8 $\frac{1}{8}$  x 25 $\frac{5}{8}$  x 11 in. \$1,200/pr

### Powered Partner Series

*The following are powered and feature a triangular-shaped enclosure with polypropylene woofers and midrange drivers.*

### Powered Partner 570 2-Way Powered Speaker

Acoustic-suspension design with 5-in woofer and 1-in liquid-cooled tweeter. Magnetically-shielded cabinet; auto power on/off. Volume, bass, and treble controls; LED power-on indicator. Power output 35 W x 2 into 8 ohms; FR 40-25,000 Hz  $\pm$  0, -3 dB; crossover point 5,000 Hz. Die-cast alloy cabinet and end cap. 6 $\frac{1}{2}$  x 10 $\frac{1}{8}$  x 7 $\frac{1}{8}$  in; 8 lb. \$399/pr

### Powered Partner 622 Subwoofer/Satellite System

Bass module with 6-in woofer and two satellites, each with 2 $\frac{1}{2}$ -in full-range drivers. Magnetically shielded cabinet; active crossover. Volume, bass, and treble controls. Power output 30 W x 1 (bass module), 8 W x 2 (satellites). \$349

### Powered Partner 42 Powered Speaker

Two 2 $\frac{1}{2}$ -in drivers. Features magnetically-shielded cabinet; volume and tone controls. Power output 8 W x 2. \$229/pr

### Powered Partner 22 Powered Speaker

2 $\frac{1}{2}$ -in driver. Magnetically shielded cabinet. Volume control. Power output 3 W x 2. \$109/pr

### Holographic Imaging Series

#### M6 3-Way Speaker

Acoustic-suspension design with two 8-in paper-cone woofers, 5-in midrange, and 3 $\frac{1}{4}$ -in ferrofluid-cooled aluminum-dome tweeter. Power handling 200 W. Gray suede, white/black gloss, or veneer finish. 8 $\frac{1}{2}$  x 42 x 10 $\frac{1}{2}$  in; 42 lb. \$1,299/pr

#### M5 3-Way Speaker

8-in pulp-paper woofer in filtered suspension enclosure, 5-in carbon/mica-filled polypropylene midrange, and 3 $\frac{1}{4}$ -in aluminum dome tweeter. Black-ash veneer, walnut veneer, or glass black laminate finish.



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es. 38 lb ..... \$1,080/pr  
 Gray Nextel finish ..... \$980/pr

## M4.5 3-Way Speaker

Acoustic-suspension design with 8-in pulp-paper cone woofer, 8-in mica-filled polypropylene woofer, and 3/4-in fiber-dome tweeter. 33 lb ..... \$799/pr

## M4 3-Way Speaker

Acoustic-suspension design with 6-in pulp woofer, 6-in polypropylene midrange, and 3/4-in ferrofluid-cooled dome tweeter. Power handling 150 W; FR 50-20,000 Hz -3 dB, sens 88 dB SPL/W/m; imp 4 ohms; crossover points 100 and 3,600 Hz. Charcoal-gray vinyl finish. 7 3/4 x 28 1/2 x 15 1/4 in; 26.5 lb ..... \$599/pr

## M3 3-Way Speaker

Acoustic-suspension design with 8-in polypropylene woofer, 2 1/2-in midrange, and 1/2-in ferrofluid-cooled dome tweeter. Power handling 125 W; FR 53-20,000 Hz -3 dB, sens 90 dB SPL/W/m; imp 4 ohms; crossover points 1,200 and 7,000 Hz. Charcoal-gray vinyl finish. 9 1/4 x 21 1/2 x 15 3/4 in; 23.5 lb ..... \$399/pr

## M2 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 125 W; FR 58-20,000 Hz -3 dB, sens 90 dB SPL/W/m; imp 4 ohms; crossover point 3,600 Hz. Charcoal-gray vinyl finish. 9 1/4 x 16 1/4 x 14 in; 18.5 lb ..... \$329/pr

## M1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 100 W; FR 65-20,000 Hz -3 dB, sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,600 Hz. Charcoal-gray vinyl finish. 7 3/4 x 10 3/8 x 11 1/4 in; 12 lb ..... \$269/pr

## M.5 2-Way Bookshelf Speaker

Vented design with 5 1/4-in polypropylene woofer and 1/2-in polydome tweeter. 11 lb ..... \$219/pr

## MC.1 2-Way Speaker

Designed for surround applications. 4-in long-throw woofer, two passive radiators, and 3/4-in soft-dome tweeter. 14 lb ..... \$159

## ADJO

### Ethic 2-Way Speaker

Stand-mounted, vented design with 6 1/2-in polypropylene woofer and 1-in metal-dome tweeter. Bessel crossover with air-core inductors and polypropylene capacitors; 24-ft AudioQuest OFHC biwire cable assembly. Power handling 100 W; FR 55-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover points 3,300 Hz. Oak finish, black-knit grille. 10 1/2 x 35 x 12 in (with stand); 27.5 lb ..... \$2,463/pr  
 Walnut veneer enclosure ..... \$2,497/pr  
 Teak veneer enclosure ..... \$2,588/pr

### a/d/s/

Reference Monitor and SAT series styling was designed by Frogdesign of Europe.

### Reference Monitor Series

#### M30 3-Way Speaker

Dual-tuned band-pass design with two 10-in copolymer woofers, two 6-in copolymer midrange drivers, and one 1-in copolymer dome tweeter. Features butyl-rubber surrounds and OFC voice coils; solid-state tweeter protection; multiway binding posts. Power handling 500 W; FR 20-22,000 Hz ±3 dB; sens 91 dB SPL/W/m; imp 4 ohms; crossover points 160 and 3,000 Hz at 24 dB/oct. Rosewood and matte black-veneer finish with steel-mesh grille. 21 1/8 x 56 x 25 3/8 in; 150 lb ..... \$8,000/pr

#### M20 3-Way Speaker

Dual-tuned band-pass design with two 8-in copolymer woofers, one 6-in copolymer midrange, 1-in

copolymer dome tweeter. Features butyl-rubber surrounds and oxygen-free copper voice coils; auto solid-state protection; multiway binding posts. Power handling 250 W; FR 23-22,000 Hz ±3 dB; sens 91 dB SPL/W/m; nom imp 4 ohms; crossover points 200 and 2,500 Hz at 24 dB/oct. Rosewood or matte black-veneer finish with steel-mesh grille. 10 3/8 x 43 1/4 x 16 1/2 in; 88 lb ..... \$3,500/pr

### Subwoofer Systems

#### Sub12 Powered Subwoofer

12-in woofer in band-pass enclosure; 350-W amp with auto/manual turn-on; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover network with selectable low/high pass points. Subwoofer level adjustable from -12 to +6 dB; crossover points 60, 80, 100 Hz low and high pass. Walnut veneer and black finish. 19 x 17 3/4 x 19 in ..... \$1,895

#### Sub10 Powered Subwoofer

10-in woofer in band-pass enclosure; 150-W amp with auto/manual turn-on; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover network with selectable low/high pass points. Subwoofer level adjustable from -12 to +6 dB; crossover points 60, 80, 100 Hz low and high pass. Walnut-veneer and black finish. 19 x 21 1/8 x 19 in ..... \$1,295

#### Sub6 Subwoofer

6 1/2-in dual-voice-coil driver in band-pass enclosure. Features passive high/low-pass crossover. Compatible with L200e and L300e speakers. Black or white finishes. 19 x 8 1/2 x 8 in ..... \$295  
 SW2. As above, floor/ceiling mount ..... \$400

### SAT Series

#### SAT7 3-Way Speaker

7-in woofer, 1 1/2-in copolymer-dome midrange, and 1-in polypropylene-dome tweeter. 4th-order Linkwitz-Riley crossover network; isolated floating-baffle design. Power handling 200 W cont; FR 40-20,000 Hz; crossover points 700, 4,000 Hz with 24-dB/oct slope; imp 4 ohms. Walnut-veneer and black finish. 8 7/8 x 17 1/8 x 10 3/4 in ..... \$1,400/pr

#### SAT6 2-Way Speaker

6-in woofer and 1-in polypropylene-dome tweeter. 4th-order Linkwitz-Riley crossover network; isolated floating-baffle design. Power handling 150 W cont; FR 50-20,000 Hz; crossover point 2,000 Hz with 24-dB/oct slope; imp 4 ohms. Walnut-veneer and black finish. 7 3/8 x 13 x 9 in ..... \$800/pr

#### SAT5 2-Way Speaker

5-in woofer and 1-in polypropylene-dome tweeter. 4th-order Linkwitz-Riley crossover network; isolated floating-baffle design. Power handling 100 W cont; FR 60-20,000 Hz; crossover point 2,000 Hz with 24-dB/oct slope; imp 4 ohms. Walnut-veneer and black finish. 8 7/8 x 17 1/8 x 10 3/4 in ..... \$650/pr

### In-Wall Speakers

#### 750iL 3-Way In-Wall Speaker

Infinite-baffle design with 7-in copolymer woofer, 1 1/2-in dome midrange, and 1-in copolymer-dome tweeter. Magnetically isolated high- and low-pass 4th-order Linkwitz-Riley 3-way crossover network; biwire/biamp terminals with dual isolated grounds. Zero-diffraction isolated flush-baffle design; cast-aluminum mounting system. Power handling 150 W cont; FR 42-20,000 Hz; crossover points 700, 4,000 Hz with 24-dB/oct slope; imp 4 ohms. Oak, walnut, white, or black finish. 9 1/4 x 17 1/4 x 7 1/8 in ..... \$1,000/pr

#### Model 400i/s 2-Way In-Wall Speaker

6-in copolymer woofer and 1-in copolymer-dome tweeter in minimum-diffraction-baffle enclosure. Power handling 100 W cont; FR 42-20,000 Hz ±3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; imp 4 ohms. 7 1/8 x 10 3/8 x 4 1/4 in; 5 lb ..... \$500/pr

#### Model 300i/s 2-Way In-Wall Speaker

5 1/4-in copolymer woofer and 1-in copolymer-dome tweeter in minimum diffraction-baffle enclosure. Power handling 100 W cont; FR 50-20,000 Hz ±3 dB; sens 92 dB SPL/W/m; crossover point 2,500 Hz; imp 4 ohms. 8 5/8 x 10 5/8 x 5 in; 1 3/4 lb ..... \$400/pr

### Miniature Speakers

#### L400e 2-Way Speaker

Acoustic-suspension design with 7-in Stiffite woofer, 1-in copolymer tweeter. Features aluminum enclosure; wall mountable. Power handling 100 W cont; FR 60-20,000 Hz ±3 dB; crossover point 2,000 Hz with 12-dB/oct slope; sens 88 dB SPL/W/m; imp 4 ohms. Black or white textured urethane finish with convex-steel grille. 7 3/8 x 11 7/8 x 7 7/8 in ..... \$600/pr

#### L300e 2-Way Speaker

Acoustic-suspension design with 5 1/4-in Stiffite woofer, 1-in copolymer tweeter. Features aluminum enclosure; wall mountable. Power handling 75 W cont; FR 60-20,000 Hz ±3 dB; crossover 2,000 Hz with 12-dB/oct slope; sens 88 dB SPL/W/m; imp 4 ohms. Black or white textured urethane finish with convex-steel grille. 6 x 8 5/8 x 6 in ..... \$500/pr

#### L200e 2-Way Speaker

Acoustic-suspension design with 4-in Stiffite woofer, 1-in copolymer tweeter. Brushed-aluminum enclosure; wall mountable. Power handling 50 W cont; FR 85-20,000 Hz ±3 dB; crossover point 2,000 Hz, 12-dB/oct slope; sens 86 dB SPL/W/m; imp 4 ohms. Textured urethane finish with convex-steel grille. 4 1/2 x 6 7/8 x 8 7/8 in ..... \$400/pr

## ADVANCED AKUSTIC

#### 1001 MkII Akustic Reference 3-Way Speaker

Aperiodic design with two 12-in woofers, two 5-in cone mdranges, 7/8-in dome tweeter. Power handling 100 W cont avg; FR 25-35,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover points 115 and 3,150 Hz. Optional wood finish and black metal grille. 14 x 62 x 22 in; 200 lb ..... \$6,800/pr

#### 801 MkII Akustic Reference 2-Way Speaker

6th-order bandpass design with two 9-in woofers and 1 1/8-in dome tweeter. Power handling 50 W cont avg; FR 30-24,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover point 2,250 Hz. Optional wood finish and black metal grille ..... \$3,800/pr

#### 701 MkII Reference 2-Way Speaker

Vented design with 9-in woofer and 1 1/8-in dome tweeter. Power handling 50 W cont avg; FR 35-24,000 Hz ±2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,250 Hz. Optional wood finish and black metal grille. 10 x 40 x 12 in; 70 lb ..... \$2,400/pr

#### MkII Reference Subwoofer

12-in aperiodic design. Woofer-level control. Power handling 100 W cont avg; FR 25-150,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 115 Hz. Optional wood finish and black metal grille. 14 x 26 x 22 in; 90 lb ..... \$2,200/pr

#### 401 MkII Akustic 2-Way Speaker

Aperiodic design with two 7-in woofers and one 3/4-in dome tweeter. Power handling 50 W cont avg; FR 40-20,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 3,150 Hz. Optional wood finish and black metal grille. 8 1/2 x 36 x 10 3/4 in; 50 lb ..... \$2,000/pr

#### 101 MkII Micro Reference 2-Way Speaker

Vented design with 5-in woofer and 3/4-in dome tweeter. Power handling 50 W cont avg; FR 50-40,000 Hz ±2 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,150 Hz. Optional wood finish and black metal grille. 7 x 13 x 9 in; 25 lb ..... \$1,300/pr

#### 201 MkII Compact 2-Way Speaker

Aperiodic design with 7-in woofer and 3/4-in dome tweeter. Power handling 50 W cont avg; FR 45-40,000 Hz ±2 dB; sens 86 dB SPL/W/m; imp 8 ohms;

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crossover point 3,150 Hz. Optional wood finish and black metal grille. 9 x 15 x 11 in; 30 lb. . . . \$1,200/pr

## Mkl Compact Subwoofer

Vented design with 9-in woofer. Woofer-level control. Power handling 50 W cont avg; FR 30-150,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 115 Hz. Optional wood finish and black metal grille. 11 x 24 x 16 in; 60 lb . . . . . \$1,200/pr

## ADVANCED ELECTRODYNAMIC SYSTEMS

### Cybele DLS-73 2-Way Speaker

Infinite-baffle design with 12-in woofer and 6-in Kevlar waveguide tweeter. Power handling 100 W cont; FR 30-20,000 Hz; sens 85 dB SPL/W/m; crossover point 1,500 Hz; nom imp 8 ohms. Knit cloth grille with gray base. 15 x 44 x 11 in; 63 lb . . . . . \$2,195/pr

## ADVANCED SOUND

*The following feature internally-braced cabinets made of veneered 3/4-in particleboard. All systems include a crossover and are covered by a 30-day in-home trial period and 3-year limited warranty. Most are also available in kit form.*

### Bi-Polar 4-Way Speaker

Omnidirectional design with two 8-in woofers. 4 1/2-in ferrofluid-cooled polypropylene-treated cone midrange, 4 1/2-in dome tweeter, dome supertweeter. Pedestal cabinet; 12-dB/oct crossover. FR 150-22,000 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover points 150 Hz, 1,000 Hz, 5,000 Hz, and 12,000 Hz; imp 6 1/4 ohms. Biwire/biamp terminals. Oak or walnut-veneer sides, pedestal, and base. Black formica-slate top. Recessed grille with black or brown cloth on front and rear of cabinet. 49 1/2 x 30 x 6 in; 180 lb . . . . . \$7,500/pr

### Bi-Polar Powered Subwoofer

Four 10-in woofers in 2 separate tuned-port chambers. Pedestal cabinet with wood-veneer side panels; 160 W x 2 amp with level controls. FR 30-150 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover point 150 Hz; imp 3/4 ohms. Oak or walnut-veneer sides, pedestal and base. Black formica-slate top. Recessed grille with black or brown cloth. 49 1/2 x 20 x 28 in; 300 lb . . . . . \$5,900/pr

### Campanile Model II 3-Way Speaker

Tuned-port tower design with two 10-in long-throw woofers, 8-in midrange in open-backed isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. Features tweeter and midrange level controls. Sens 93 dB SPL/W/m; crossover points 300 and 2,500 Hz; imp 4/3 ohms. Oak or walnut veneer top, solid oak or walnut trim, and black pedestal and veneer base, wrapped in black or brown cloth. 49 x 13 x 20 in; 130 lb . . . . . \$4,000/pr  
Kit form of above . . . . . \$3,500/pr

**Campanile Model I.** As above, two 8-in woofers, 4 1/2-in polypropylene treated, ferrofluid-cooled cone midrange in isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. FR 38-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 6/4 ohms. Oak or walnut-veneer top, solid oak or walnut trim, and black base, wrapped in black or brown grille cloth. 36 x 13 x 13 in; 95 lb . . . . . \$2,000/pr  
Kit form of above . . . . . \$1,700/pr

### Ziggurat 3-Way Speaker

Tuned-port, time-aligned sloping front-baffle design with 12-in woofer, 4 1/2-in ferrofluid-cooled polypropylene-treated cone midrange in isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. Features tweeter and midrange level controls; pedestal cabinet. FR 32-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover points 300 and 2,500 Hz; imp 6/8 ohms. Oak or walnut-veneer sides, pedestal, and base. Black formica slate top. Removable recessed grille with black or brown cloth. 41 x 18 x 16 in; 150 lb . . . . . \$3,500/pr  
Kit form . . . . . \$3,100/pr

### Monolith Model 12P Powered Subwoofer

Tuned-port design with 12-in woofer and 100 W x 2 amp with level control. Designed to complement Campanile. FR 38-150 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 150 Hz; imp 6/8 ohms. Oak or walnut veneer top and black base wrapped in black or brown grille cloth. 22 x 20 x 20 in; 120 lb \$1,800/pr

**Monolith Model 10P.** As above, 10-in woofer. FR 32-150 Hz  $\pm$  3 dB . . . . . \$1,500/pr

**Monolith Model 12.** As above, 12-in woofer, without amplifier. FR 38-150 Hz  $\pm$  3 dB . . . . . \$1,200/pr

Kit form of above . . . . . \$1,100/pr

**Monolith Model 10 Mono.** As Model 10-P, 10-in woofer, no amp . . . . . \$1,100/pr

Kit form of above . . . . . \$1,000/pr

### Cornerstone 4/8P Powered Subwoofer

Cube design with four 8-in woofers in 2 sealed, tuned-port chambers. Two 60 W x 2 amps with level controls and dual inputs. Designed to complement Cornerstone satellites or Campanile I. Sens 94 dB SPL/W/m; crossover point 150 Hz; imp 4/3 ohms. Oak or walnut-veneer top and black base, wrapped in black or brown grille cloth. 22 x 20 x 20 in; 145 lb \$908

**Model 12SP.** As above, one 12-in dual-voice-coil woofer. FR 38-150 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; no crossover . . . . . \$750

**Model 4/8 S.** As above, four 8-in woofers; no amp. FR 45-150 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover point 150 Hz . . . . . \$600  
Kit form of above . . . . . \$550

**Model 12S.** As above, one 12-in woofer; no amp. FR 38-150 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m . . . . . \$458  
Kit form of above . . . . . \$408

### Cornerstone 2-Way Bookshelf Speaker

Two 4 1/2-in polypropylene-treated full-range drivers and one 3-in polycarbonate-dome tweeter in center. FR 120-20,000 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover point 6,000 Hz; imp 4/6 ohms. Oak or walnut-veneer top and base, wrapped in black or brown grille cloth. 18 x 7 1/2 x 12 in; 23 lb . . . . . \$425/pr

## ADVENT

### Advent Heritage 2-Way Speaker

Two 8-in aluminum-coil woofers, 1-in ferrofluid-cooled parabolic-dome tweeter. Power handling 150 W rms; FR 42-23,000 Hz  $\pm$  3 dB; sens 89.5 dB SPL/W/m; imp 6 ohms; crossover point 3,500 Hz; THD 0.5% above 75 Hz at 1 W; resonance 55 Hz  $\pm$  5 Hz. Oiled-pecan finish. 10 1/2 x 37 3/4 x 13 in; 46 lb . . . . . \$700/pr

### Advent Laureate 2-Way Speaker

Dual 6 1/2-in woofer, 1-in ferrofluid-cooled parabolic soft-dome tweeter. Power handling 125 W cont avg; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover point 3,000 Hz; total harmonic distortion 1% above 80 Hz at 1 W, 1.5% above 100 Hz at 10 W; resonance 50 Hz  $\pm$  3 Hz. Oiled-solid pecan wood. 9 x 37 3/4 x 12 in; 46 lb . . . . . \$550/pr

### Advent Legacy II 2-Way Speaker

10-in aluminum-coil woofer, 1-in ferrofluid-cooled parabolic-dome tweeter. Power handling 100 W cont avg; FR 38-23,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz; THD 1% above 100 Hz at 10 W; resonance 51 Hz  $\pm$  3 Hz. Oiled-pecan top and base; black-textured vinyl over fiberboard. 16 x 28 1/4 x 9 1/4 in; 46.5 lb . . . . . \$460/pr

### Advent Gallery Series 2-Way In-Wall Speaker

Acoustic-suspension design with 6 1/2-in woofer, 1/2-in ferrofluid-cooled polycarbonate-dome tweeter. Power handling 50 W cont avg; FR 60-21,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover point 4,500 Hz. Solid pecan frame with black grille, baffle, and trim plate. 12 7/8 x 8 5/8 in . . . . . \$399/pr  
Paintable white finish . . . . . \$349/pr

### Advent Prodigy Tower 2-Way Speaker

8-in woofer and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Features aluminum voice coil. Power handling 75 W rms; FR 45-23,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 6-8 ohms. Black-stained oak

top and base and black textured-vinyl over fiberboard sides. 10 x 28 1/2 x 8 3/4 in; 25.3 lb . . . . . \$360/pr

### Advent Prodigy II 2-Way Bookshelf Speaker

8-in woofer and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Power handling 75 W cont avg; FR 45-23,000 Hz  $\pm$  3 dB. Features solid pecan end caps . . . . . \$360/pr

### Advent Graduate 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in long-throw woofer and 1/2-in ferrofluid-cooled polycarbonate-dome tweeter. Features aluminum voice coil. Power handling 70 W rms; FR 55-21,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; crossover point 4,500 Hz; resonance 75 Hz  $\pm$  5 dB; nom imp 6-8 ohms. Black-stained oak top and base and black textured-vinyl over fiberboard sides. 12 1/8 x 18 x 7 1/4 in; 18 lb . . . . . \$298/pr

### Mini-Advent Subwoofer II/Satellite System

2 Mini-Advent speakers and subwoofer with two 5 1/4-in aluminum-coil drivers. Power handling 40 W cont avg; FR 110-21,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 6 ohms; satellite crossover point 4,500 Hz; THD 1.5% above 200 W at 1 W. Black-textured-vinyl over fiberboard sides. 15 1/2 x 13 x 18 1/4 in; 10 lb . . . . . \$290

### Advent Baby II 2-Way Bookshelf Speaker

6 1/2-in aluminum-coil woofer and 1/2-in ferrofluid-cooled polyimide-dome tweeter. Power handling 50 W rms; FR 60-21,000 Hz  $\pm$  3 dB; sens 89 dB  $\pm$  3 dB; nom imp 6-8 ohms; crossover point 4,500 Hz; THD 1.25% above 100 at 1 W; resonance 79 Hz  $\pm$  5 Hz. Oiled solid-wood top and black textured-vinyl over fiberboard sides. Also available in black oak. 11 x 16 1/2 x 6 1/4 in; 13 lb . . . . . \$250/pr

### Mini-Advent 2-Way Bookshelf Speaker

Compact design with 5 1/4-in woofer, 1/2-in ferrofluid-cooled polycarbonate tweeter. Power handling 40 W cont avg; FR 110-21,000 Hz  $\pm$  3 dB; sens 88 dB; imp 6 ohms; crossover point 4,500 Hz; THD 1.5% above 200 at 1 W; resonance 85 Hz  $\pm$  5 Hz. Solid pecan top and base. Also available in black oak. 6 1/2 x 11 x 5 1/2 in; 10 lb . . . . . \$200/pr

### Mini-Advent 2-Way Outdoor Speaker

5 1/4-in woofer and 1/2-in ferrofluid-cooled polycarbonate-dome tweeter. Features aluminum voice coil. Power handling 40 W rms; FR 110-21,000 Hz  $\pm$  3 dB; sens 88 dB; nom imp 6-8 ohms; crossover point 4,500 Hz; THD 1.5% above 200 Hz at 1 W; resonance 85 Hz  $\pm$  5 Hz. Black or white top and base. 6 1/2 x 11 x 5 1/2 in; 10 lb . . . . . \$200/pr

**Mini-Advent Bracket.** Water-resistant stand for above . . . . . \$60/pr

### Advent Audio Focus Center-Channel Speaker

Magnetically-shielded cabinet with two dual-cone 4-in drivers. Power handling 70 W rms; FR 80-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; resonance 180 Hz  $\pm$  5 dB; imp 8 ohms. Black textured-vinyl over fiberboard sides. 13 x 6 x 5 1/2 in; 6 lb . . . . . \$149

## New Vision Series

### Model 500 3-Way Speaker

6 1/2-in aluminum-coil woofer, 5/4-in felted and molded-graphite midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 150 W cont avg; FR 40-23,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 200 and 3,000 Hz. Oiled-teak veneer. 8 3/4 x 11 3/8 x 3 3/4 in; 42 lb . . . . . \$1,060/pr

### Model 350 2-Way Speaker

6 1/2-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 500 W; FR 41-23,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover point 3,000 Hz; resonance 65 Hz  $\pm$  5 Hz. Vinyl veneer. 13 7/8 x 43 3/8 x 9 3/4 in; 43 lb . . . . . \$740/pr

### Model 250 3-Way Mini Speaker

5 1/4-in woofer, 5/4-in graphite midrange, and 1-in ferrofluid-cooled polyimide-dome tweeter. Features band-pass enclosure. Power handling 100 W cont

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# S P E A K E R S

avg; FR 45-23,000 Hz  $\pm$  1 dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover points 150 and 3,000 Hz. Vinyl veneer. 10 $\frac{3}{8}$  x 17 $\frac{3}{4}$  x 8 $\frac{1}{4}$  in; 22 lb . . . \$599/pr

## AERIAL ACOUSTICS

### Model 10-T 3-Way Speaker

10 $\frac{3}{8}$ -in cast-magnesium-frame woofer with polypropylene cone, 5 $\frac{1}{8}$ -in cast-magnesium-frame midrange with multi-layer Kevlar cone, and aluminum-dome tweeter with damped dual chamber magnet. Features 4th-order Linkwitz-Riley crossover; cross-braced bass chamber. FR 28-20,000 Hz  $\pm$  2 dB; sens 86 dB 2.83V/m; imp 4 ohms; power handling 50 W min; crossover points 360 and 2,700 Hz. Available in walnut veneer with rosewood stain or hand polished satin lacquer finish. Includes upper grille hat and casters . . . \$4,495/pr

## AES

*The following are water resistant and do not require preinstalled mounting brackets.*

### AES-4 In-Wall Subwoofer

6 x 9-in polypropylene driver with dual voice coils. Power handling 60 W cont avg; FR 28-90 Hz; imp 8 ohms. 8 x 11 $\frac{3}{4}$  x 3 $\frac{3}{8}$  in . . . \$295

### AES-3 In-Wall Subwoofer

6 x 9-in polypropylene driver. Power handling 100 W cont avg; FR 28-90 Hz; imp 8 ohms. 8 x 11 $\frac{3}{4}$  x 3 $\frac{3}{8}$  in . . . \$229

### AES-2 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 1-in ferrofluid-cooled tweeter. Features auto-reset speaker protection. Power handling 80 W cont avg; FR 40-20,000 Hz; imp 8 ohms. 8 x 11 $\frac{3}{4}$  x 3 $\frac{3}{8}$  in . . . \$179

### AES-1 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 2 $\frac{1}{4}$ -in tweeter. Auto-reset speaker protection. Power handling 60 W cont avg; FR 55-20,000 Hz; imp 8 ohms . . . \$124

### AES-5 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 2 $\frac{1}{4}$ -in tweeter. Auto-reset speaker protection. Power handling 30 W cont avg; FR 70-20,000 Hz; imp 8 ohms . . . \$99

## AIWA

### SC-A70 Powered Mini Speaker

Bass-reflex design with 3-in full-range driver. Features auto power on/off switch; separate bass, treble, and volume controls; variable loudness control. Includes AC adaptor and 59-in Y-connector for portable stereos. Power output 3 W; FR 150-20,000 Hz; sens 86 dB SPL/W/m. 7 x 4 $\frac{1}{8}$  x 4 $\frac{1}{8}$  in; 19.2 oz . . . \$120/pr

### SC-A50 Powered Mini Speaker

3-in full-range driver. Features auto power on/off switch; separate bass, treble, and volume controls; variable loudness control; direct-in terminal. Power output 2.5 W into 4 ohms at 1,000 Hz with 10% THD; FR 150-18,000 Hz; sens 86 dB SPL/W/m. Optional AC adaptor. 4 x 6 $\frac{3}{8}$  x 4 in . . . \$90/pr

### SC-A40 Powered Mini Speaker

2-in full-range driver. Features auto power on/off switch. Power output 400 mW into 8 ohms at 1,000 Hz with 10% THD; FR 400-20,000 Hz; sens 83 dB SPL/W/m. 2 $\frac{7}{8}$  x 4 x 1 $\frac{1}{2}$  in; 4 oz . . . \$50/pr

### SC-A30 Powered Mini Speaker

2-in full-range driver. Features slide-in mount. Power output 400 mW; FR 400-20,000 Hz; sens 83 dB SPL/W/m. Includes 39-in cord with mini plug. Operates on AA batteries. 3 x 4 x 1 $\frac{1}{2}$  in; 4 oz . . . \$45/pr

## ALLISON

### IC-20 3-Way Speaker

Acoustic-suspension triangular-shaped tower with two 10-in woofers, four 3 $\frac{1}{2}$ -in convex midranges,

and four 1-in convex tweeters. Features adjustable radiation pattern; push-pull woofers; separate triamp terminals for woofers, midranges, and tweeters; auto-resetting resistors in each crossover; braced cabinet damped with glass fiber. Power handling 400 W; FR -3 dB at 28.5 Hz, -8 dB at 21 Hz; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover points 350 and 3,750 Hz. Oak, walnut, or black-veneer finishes. 21 x 48 x 12 in; 100 lb . . . \$5,200/pr

### IC-10 3-Way Speaker

Acoustic-suspension triangular-shaped tower with two 8-in woofers, two 3 $\frac{1}{2}$ -in convex midranges, two 1-in convex tweeters. Features adjustable radiation pattern option; push-pull woofers; separate triamp terminals for woofers, midranges, tweeters; auto-resetting resistors in each crossover; braced cabinet damped with glass fiber. Power handling 200 W; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover points 350 and 3,750 Hz. Lacquered walnut or black-veneer finish. 48 x 21 x 12 in; 73 lb . . . \$2,500/pr

### IC-6 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 1-in convex tweeter. Features speaker-protection circuit; angled sides for image enhancement and placement versatility. Power handling 150 W; FR -3 dB at 46 Hz, -8 dB at 34 Hz; sens 87 dB SPL/W/m; nom imp 6 ohms; min imp 4 ohms; crossover point 2,000 Hz. Lacquered walnut or black-veneer finish. \$600/pr

**IC-5.** As above, 4-in woofer. Power handling 75 W; FR -3 dB at 90 Hz, -8 dB at 62 Hz; crossover point 2,500 Hz. 8 x 7 x 7 in . . . \$400/pr

## AL Series

*The following feature speaker-protection circuitry and a 5-year warranty.*

### AL-130 3-Way Speaker

Acoustic-suspension design with two 8-in push-pull woofers, 3 $\frac{1}{2}$ -in midrange, and 1-in convex tweeter. Power handling 200 W; sens 87 dB SPL/W/m; imp 6 ohms; crossover points 450 and 4,000 Hz. Oak, walnut, or black-vinyl finish. 12 $\frac{1}{2}$  x 37 $\frac{1}{2}$  x 14 $\frac{1}{8}$  in; 57 lb . . . \$1,200/pr

**AL-125.** As above, two 6 $\frac{1}{2}$ -in push-pull woofers. 11 $\frac{1}{8}$  x 30 $\frac{7}{8}$  x 11 $\frac{1}{8}$  in; 40 lb . . . \$960/pr

### AL-120 2-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{2}$ -in push-pull woofers and 1-in convex tweeter. Power handling 200 W; sens 87 dB SPL/W/m; imp 6 ohms; crossover points 100 and 2,000 Hz. Oak, walnut, or black-vinyl finish . . . \$660/pr

**AL-115.** As above, 8-in woofer. Power handling 150 W; crossover point 2,000 Hz. 11 $\frac{1}{8}$  x 20 x 10 $\frac{1}{8}$  in; 22 lb . . . \$460/pr

**AL-110.** As AL-115, 6-in woofer. 9 $\frac{1}{2}$  x 15 $\frac{7}{8}$  x 9 in; 16 lb . . . \$360/pr

**AL-105.** As above, with 1-in copolymer-dome tweeter. Crossover point 2,500 Hz. 9 $\frac{1}{2}$  x 14 $\frac{3}{4}$  x 8 $\frac{1}{4}$  in; 13 lb . . . \$260/pr

**AL-100.** As AL-105, with simpler crossover and smaller cabinet. Power handling 75 W. Walnut or black-vinyl finish. 9 $\frac{5}{8}$  x 13 $\frac{1}{4}$  x 7 $\frac{3}{4}$  in . . . \$220/pr

## Compact Speakers

### MS-205 Subwoofer/Satellite System

Includes one Mini 1SW and two MS-200 speakers. Power handling 100 W . . . \$550

### Mini 1SW Subwoofer

Acoustic-suspension design with 8-in driver. Features protection circuitry. Power handling 100 W; FR -3 dB at 55 and 150 Hz; sens 90 dB SPL/W/m; nom imp 4 ohms; crossover point 150 Hz. Black-lacquer finish . . . \$300

### MS-200 Miniature 2-Way Speaker

4-in woofer and 1-in convex tweeter. Features protection circuitry. Power handling 75 W; FR -3 dB at 95 Hz, -8 dB at 70 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black-lacquer finish . . . \$260/pr

## ALTEC LANSING

*The following feature a 5-year warranty.*

### Bias 550 5-Way Powered Speaker System

Two 10-in carbon-fiber subwoofers, 8-in carbon-fiber woofer, 6 $\frac{1}{2}$ -in carbon-fiber midrange, 2-in diamond-coated/polyimide upper midrange, and 1-in tweeter. 5 Class A/AB amps; each driver enclosed in separate chamber; 5-way Butterworth crossover. Separate volume control for each amp with remote control; swiveling mid- and high-frequency drivers. Subwoofer 250 W into 4 ohms; woofer, midrange, and upper midrange 125 W into 8 ohms; tweeter 75 W into 8 ohms; THD 0.05%; FR 20-22,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; crossover points 80, 150, 450, 1,500, and 4,500 Hz . . . \$12,000/pr

### Model 512 4-Way Powered Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 6 $\frac{1}{2}$ -in carbon-fiber midbass, 2-in polyimide/diamond-coated midrange, and 1-in tweeter; 3 amps. Adjustable bass crossover; auto on/off switch. Triamp terminals. Woofer 250 W into 4 ohms; midbass, midrange, and tweeter 75 W into 8 ohms; THD 0.05%; FR 20-22,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; crossover points 80-250 Hz (woofer), 180, 1,500, 3,500 Hz. Walnut veneer or black. 13 x 57 x 13 $\frac{1}{2}$  in; 120 lb . . . \$4,500/pr

### Model 511 4-Way Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 6 $\frac{1}{2}$ -in carbon-fiber midbass, 2-in polyimide/diamond-coated dome midrange, and 1-in diamond-coated dome tweeter with ferrofluid cooling. Features bi/tri/quad-amp terminals. Power handling 150 W nom, 300 W max; FR 30-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover points 180, 1,500, and 3,500 Hz. Walnut veneer or black finish. 13 x 57 x 13 $\frac{1}{2}$  in; 110 lb . . . \$3,000/pr

### Model 510A 3-Way Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 2-in polyimide/titanium midrange, 1-in ferrofluid-cooled polyimide/titanium dome tweeter. Biamp/triamp terminals; adjustable 1,500-3,500 Hz crossover for midrange. Power handling 150 W nom, 300 W max; FR 30-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover points 180 and 1,500-3,500 Hz. Walnut veneer or black finish. 12 x 49 x 13 $\frac{1}{2}$  in; 88 lb . . . \$1,600/pr

### Model 508A 3-Way Speaker

Acoustic-suspension tower design with two 8-in carbon-fiber cones, 2-in polyimide/titanium midrange, 1-in ferrofluid-cooled polyimide/titanium tweeter. Power handling 125 W nom, 250 W max; FR 32-22,000 Hz  $\pm$  3 dB; sens 90.5 dB SPL/W/m; imp 6 ohms; crossover points 750, 3,500 Hz. Walnut veneer or black finish. 10 $\frac{3}{4}$  x 40 $\frac{1}{2}$  x 11 in . . . \$1,100/pr

### AHT-2100 3-Way In-Wall Surround Speaker

THX-certified design with two 4-in carbon-filled polypropylene woofers, four 3-in carbon-filled polypropylene midranges, and two 7 $\frac{1}{8}$ -in ferrofluid-cooled polyimide dome tweeters. Mountable on or inside wall. Power handling 100 W nom, 150 W max; FR 80-20,000 Hz; sens 89 dB SPL/W/m; crossover points 180 Hz and 3,000 Hz. 15 $\frac{3}{8}$  x 11 x 6 $\frac{1}{4}$  in; mounting depth 3 $\frac{1}{8}$  in . . . \$900/pr

### Model 505A 3-Way Speaker

Acoustic-suspension design with 10-in carbon-fiber woofer, 3 $\frac{1}{2}$ -in carbon-fiber midrange, and 1-in ferrofluid-cooled polyimide/titanium tweeter. Power handling 100 W nom, 200 W max; FR 28-22,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Walnut veneer or black finish. 12 x 33 $\frac{3}{8}$  x 13 $\frac{3}{8}$  in . . . \$850/pr

**Model 515.** As above, in black or dark-oak vinyl finish . . . \$700/pr

### PSW-10 Powered Subwoofer

10-in carbon-fiber driver powered by 100-W Class B amp. Selectable 50/80/100/150 Hz crossover with

18- or 24-dB/oct slopes. FR 26-180 Hz  $\pm 3$  dB; THD 0.1%; input imp 20 kilohms. Walnut veneer or black finish. 17 $\frac{3}{8}$  x 17 $\frac{3}{8}$  x 17 $\frac{3}{8}$  in ..... \$850

#### Model 305A 3-Way Speaker

Acoustic-suspension design with 10-in carbon-fiber woofer, 2-in midrange, and 1-in tweeter. Power handling 100 W nom, 200 W max; FR 30-20,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 550 and 3,500 Hz. Walnut veneer or black finish. 14 $\frac{1}{2}$  x 27 x 12 in ..... \$800/pr

**Model 315.** As above, in black or dark-oak vinyl finish ..... \$650/pr

#### Model 205A 3-Way Speaker

Acoustic-suspension design with 8-in carbon-fiber woofer, 3 $\frac{1}{2}$ -in midrange, and 1-in polyimide/titanium tweeter. Power handling 75 W nom, 150 W max; FR 40-20,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Walnut veneer or black finish. 12 x 22 x 9 $\frac{1}{2}$  in ..... \$600/pr

**Model 215.** As above, in black or dark-oak vinyl finish ..... \$500/pr

#### System 3 Subwoofer/Satellite System

Subwoofer module with two 8-in carbon-filled polypropylene woofers and 2 satellites, each with two 3-in carbon-filled-polypropylene midranges and  $\frac{1}{2}$ -in dome tweeter with ferrofluid cooling. Power handling 80 W nom, 160 W max; FR 32-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 180 and 4,500 Hz. Black or white finish. Satellites 4 x 8 $\frac{1}{2}$  x 3 $\frac{3}{4}$  in. Subwoofer 12 x 9 $\frac{3}{4}$  x 20 in ..... \$600

#### Model 100 3-Way Tower Speaker

Acoustic-suspension design with two 8-in carbon-filled polypropylene woofers, 4-in dome midrange, 7 $\frac{1}{8}$ -in dome tweeter with ferrofluid cooling. Features fiberglass-filled ABS cabinet. Power handling 100 W nom, 200 W max; FR 38-20,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Black or dark oak vinyl finish. 10 $\frac{3}{4}$  x 40 $\frac{1}{2}$  x 11 in ..... \$500/pr

#### ACS 300 Powered Computer Speaker System

Compact subwoofer/satellite system designed for multimedia computers, CD players, or CD-I players. Features powered subwoofer module with two 4-in drivers; two self-powered satellites, each with 4-in magnetically-shielded woofers and  $\frac{1}{2}$ -in dome tweeters. Plugs into PC's audio or video card. Bass, treble, balance, volume, subwoofer, AV mixing, and dsp controls. 9 W x 2 satellite, 18 x 1 subwoofer amp, all with 0.8% THD; FR 35-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; crossover point 120 Hz with 24-dB/oct slope ..... \$400

**ACS 200.** As above, without subwoofer. FR 100-20,000 Hz ..... \$300

#### Model 105A 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in carbon-fiber woofer and 1-in polyimide/titanium tweeter. Power handling 50 W nom, 100 W max; FR 50-20,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Walnut veneer or black finish. 9 $\frac{1}{2}$  x 17 x 8 $\frac{1}{2}$  in ..... \$375/pr

**Model 115.** As above, in black or dark oak vinyl finish ..... \$275/pr

#### ITW 265 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in woofer and 7 $\frac{1}{8}$ -in polyester-dome tweeters. Middle and high frequency roll-off controls. Power handling 40 W nominal, 100 W maximum; frequency response 40 Hz-20,000 Hz  $\pm 3$  dB; sensitivity 90 dB SPL/W/m; impedance 6 ohms; crossover point 3,500 Hz. 8 $\frac{7}{8}$  x 12 x 4 in ..... \$300/pr

#### Model 95 3-Way Bookshelf Speaker

Acoustic-suspension design with 8-in carbon-filled polypropylene woofer, 4-in midrange, and 7 $\frac{1}{8}$ -in polyimide-dome tweeter with ferrofluid cooling. Power handling 60 W nom, 120 W max; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Black or dark-oak vinyl finish. 12 x 22 x 9 in ..... \$300/pr

#### Model 55 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 4-in epoxy-reinforced carbon-fiber woofer and 3 $\frac{1}{4}$ -in polyimide-dome tweeter. Sealed ABS cabinet. Power handling 40 W nom, 80 W max; FR 85-20,000 Hz  $\pm 3$  dB; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 3,500 Hz. Black or white finish. 6 $\frac{3}{8}$  x 9 $\frac{3}{8}$  x 5 $\frac{1}{2}$  in ..... \$250/pr

#### ITW 260 In-Wall Subwoofer

Two 6 $\frac{1}{2}$ -in long-throw drivers. Power handling 80 W nom, 160 W max; FR 32-250 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 160 Hz with 18-dB/oct slope. 12 $\frac{5}{8}$  x 19 $\frac{3}{4}$  x 3 $\frac{1}{2}$  in ..... \$200

#### Model 85 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 $\frac{1}{2}$ -in carbon-filled polypropylene woofer and 7 $\frac{1}{8}$ -in polyimide-dome tweeter with ferrofluid cooling. Power handling 40 W nom, 100 W max; FR 50-20,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Black or oak vinyl finish. 9 $\frac{1}{2}$  x 17 x 8 $\frac{1}{2}$  in ..... \$200/pr

#### Model 66 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with two 6-in carbon-filled polypropylene woofers and 7 $\frac{1}{8}$ -in polyimide-dome tweeter. Sealed and shielded ABS-plastic cabinet. Power handling 100 W nom, 200 W max; FR 45-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Black or white finish. 7 $\frac{7}{8}$  x 15 $\frac{3}{4}$  x 7 in ..... \$200

#### Model 75 2-Way Bookshelf Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in carbon-filled polypropylene woofer and  $\frac{1}{2}$ -in polyimide-dome tweeter. Shielded cabinet. Power handling 40 W nom, 80 W max; FR 50-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black or oak vinyl finish. 6 x 9 $\frac{1}{2}$  x 6 $\frac{5}{8}$  in ..... \$160/pr

#### SW-8 Subwoofer

Ported design with 8-in woofer. Power handling 100 W; FR 35-250 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 180 Hz with 12-dB/oct slope. Black or dark oak vinyl finish ..... \$150

### ALTERNATIVE AUDIO

#### Klearnote Tweeter

3 $\frac{3}{4}$ -in domed design in clear acrylic housing. Power handling 75 W max; FR 1,000-40,000 Hz; sens 91 dB SPL/W/m; imp 1,000 ohms at 1,000 Hz and 20 ohms at 40,000 Hz. Includes speaker wire. Available only through mail order. 5 x 9 x 5 in ..... \$60/pr

### AMC

#### WM100 2-Way Speaker

Power handling 100 W max; FR 40-20,000 Hz; imp 8 ohms. 10 x 14 x 3 $\frac{3}{4}$  in ..... \$240

**WM75.** As above, power handling 80 W max; FR 50-20,000 Hz. 8 $\frac{1}{2}$  x 12 x 3 in ..... \$180

**WM50.** As WM75, power handling 60 W max. 7 $\frac{1}{2}$  x 11 x 2 $\frac{3}{4}$  in ..... \$140

### AMRITA AUDIO

*The following are available with oak, walnut, or high-gloss piano finish. Tower models have foot spikes and compartments for mass loading.*

#### Amrit-Reference Standards 3-Way Speaker

13-in bass-reflex woofer, dual 6 $\frac{1}{2}$ -in acoustic-suspension midranges, 1-in cloth-dome tweeter. Features felt insert in baffle. Biwire/biamp terminals. FR 24-20,000 Hz  $\pm 3$  dB; sens 92 dB; max SPL 118 dB; imp 6 ohms; crossover points 280 and 3,500 Hz. 15 x 48 $\frac{1}{2}$  x 19 $\frac{1}{2}$  in; 115 lb ..... \$3,795/pr

#### Amrit-Summit Towers 3-Way Speaker

Two 10-in bass-reflex compound-woofers, 6 $\frac{1}{2}$ -in acoustic-suspension midrange, and 1-in cloth-dome tweeter. Features felt insert in baffle. Biwire/biamp terminals. FR 23-20,000 Hz  $\pm 3$  dB; sens 91 dB; max SPL 117 dB; imp 7 ohms; crossover points 240 and 4,500 Hz. 13 $\frac{1}{2}$  x 41 x 15 $\frac{1}{2}$  in; 93 lb ..... \$1,995/pr

#### Amrit-Kronos Towers 3-Way Speaker

Two 8-in compound-woofer pairs, 3 $\frac{1}{2}$ -in cloth-dome midrange, 1-in cloth-dome tweeter. Features felt insert in baffles. Biwire/biamp terminals. FR 26-20,000 Hz  $\pm 3$  dB; sens 91 dB; max SPL 113 dB; imp 4 ohms; crossover points 650 and 4,500 Hz. 12 x 40 x 15 in, 70 lb ..... \$1,595/pr

#### Amrit-Heartland Towers 2-Way Speaker

Two 8-in compound-woofer pairs, 1-in fluid-filled dome tweeter. Features felt insert in baffle. Biwire/biamp terminals. Sens 94 dB; max SPL 110 dB; imp 4 ohms; crossover point 3,400 Hz ..... \$1,295/pr

#### Amrit-Allegro Towers 3-Way Speaker

10-in bass-reflex woofer, 3 $\frac{1}{2}$ -in cloth-dome midrange and 1-in metal-dome tweeter. Biwire/biamp terminals. FR 29-20,000 Hz  $\pm 3$  dB; sens 91 dB; max SPL 112 dB; imp 7 ohms; crossover points 650 and 4,500 Hz. 12 $\frac{1}{2}$  x 37 x 15 $\frac{1}{2}$  in; 60 lb ..... \$1,095/pr

#### Amrit-MiniMonitor 2-Way Bookshelf Speaker

Two 8-in woofers and 1-in cloth-dome tweeter. FR 39-20,000 Hz  $\pm 3$  dB; sens 92 dB; max SPL 110 dB; imp 4 ohms; crossover point 3,100 Hz ..... \$995/pr

#### Amrit-Thunderbird Subwoofer

Two 10-in woofers in 7th-order cabinet. FR 26-100 Hz  $\pm 3$  dB; sens 91 dB; imp 6 ohms ..... \$895/pr

#### Amrit-Elan Towers 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in metal-dome tweeter. FR 32-20,000 Hz  $\pm 3$  dB; sens 90 dB; max SPL 110 dB; imp 7 ohms; crossover point 3,200 Hz. 11 x 35 x 13 in; 46 lb ..... \$795/pr

#### Amrit-Legos 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1-in metal-dome tweeter. FR 35-20,000 Hz  $\pm 3$  dB; sens 90 dB; max SPL 110 dB; imp 7 ohms; crossover point 32,000 Hz. 15 x 20 x 14 in; 32 lb ..... \$695/pr

#### Amrit-Troppo Towers 2-Way Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in woofers and 1-in metal-dome tweeter. FR 35-20,000 Hz  $\pm 3$  dB; sens 92 dB; max SPL 106 dB; imp 6 ohms; crossover point 4,500 Hz. 9 $\frac{1}{2}$  x 34 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in; 30 lb ..... \$595/pr

#### Amrit-Motif 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer and 1-in metal-dome tweeter. FR 43-20,000 Hz  $\pm 3$  dB; sens 92 dB; max SPL 106 dB; imp 6 ohms; crossover point 4,500 Hz. 10 $\frac{1}{4}$  x 16 x 9 in; 17 lb ..... \$495/pr

#### Amrit-Ariel 2-Way Speaker

Acoustic-suspension design with 6 $\frac{1}{2}$ -in woofer and 1-in metal-dome tweeter. FR 58-20,000 Hz  $\pm 3$  dB; sens 92 dB; max SPL 106 dB; imp 6 ohms; crossover point 4,500 Hz. 9 $\frac{1}{2}$  x 15 x 7 $\frac{1}{2}$  in; 15 lb ..... \$445/pr

### ANDANTE

#### M300 2-Way Mini Speaker

8-in woofer with coaxially mounted dome tweeter. Weather resistant. Power handling 20-100 W; FR 50-21,500 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black finish. 9 x 9 x 7 in ..... \$249/pr

#### M200 2-Way Mini Speaker

6 $\frac{1}{2}$ -in woofer with coaxially-mounted dome tweeter. Weather resistant. Power handling 15-80 W; FR 70-21,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black finish. 8 x 8 x 6 in ..... \$189/pr

#### M100 2-Way Mini Speaker

Vented design with 4-in woofer. Power handling 10-60 W; FR 100-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 7 $\frac{1}{2}$  x 5 x 5 in; 3.3 lb ..... \$129/pr

### APOGEE

#### Grand 4-Way Ribbon Speaker

Two 12-in trapezoidal woofer ribbons and separate midrange and tweeter ribbons. Separate subwoofer/

woofer/midrange/tweeter-level controls. Power handling 100 W cont avg; FR 15-25,000; imp 3 ohms; crossover points 70, 250 and 9,000 Hz. Optional finishes. 32 x 86 x 38 in; 600 lb \$75,000-\$80,000/pr

**Diva 3-Way Ribbon Speaker**

Trapezoidal woofer ribbon and separate midrange and tweeter ribbons. Adjustable crossover. Power handling 200 W cont avg; FR 20-25,000 Hz; sens 115 dB SPL/W/m; imp 4 ohms. Anthracite, taupe or custom finishes. 31 x 73 x 3 in; 150 lb \$9,995/pr  
**Diva Dax III.** As above, with Dax III crossover. (listed below) \$11,595

**Duetta Signature 2-Way Ribbon Speaker**

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Internal crossover. Power handling 200 W cont avg; FR 30-20,000 Hz; sens 100 dB SPL/W/m; imp 4 ohms. Anthracite, taupe, or custom finishes. 26 x 58 x 3 in; 115 lb \$4,995/pr

**Centaur Major 2-Way Ribbon Speaker**

Hybrid design featuring 10-in woofer and tweeter ribbon. Separate woofer and tweeter level controls. Power handling 80 W cont avg; FR 31-20,000 Hz; imp 6 ohms; crossover point 350 Hz. Optional finishes. 18 x 64 x 12 in; 100 lb \$3,695-\$4,195/pr  
 Matching stand \$219

**Caliper Signature 2-Way Ribbon Speaker**

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Internal crossover. Power handling 150 W cont avg; FR 30-20,000 Hz; sens 105 dB SPL/W/m; imp 3 ohms. Anthracite, taupe or custom finishes. 24 x 48 x 2 in; 70 lb \$3,295/pr

**Stage 2-Way Ribbon Speaker**

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Internal crossover. Power handling 150 W cont avg; FR 35-20,000 Hz; sens 107 dB SPL/W/m; imp 3 ohms. Anthracite with basswood or mahogany trim, or taupe with mahogany trim \$2,595/pr  
 Matching stands \$395/pr  
**Stage Subwoofer.** For above. Features two 8-in woofers. Power handling 75 W min; FR 20-80 Hz; imp 3 ohms. Granite gray finish \$2,595/pr  
**Stage/Subwoofer Combination** \$4,995

**Centaur 2-Way Ribbon Speaker**

Hybrid design with 8-in polypropylene woofer in acoustic-suspension enclosure and dipole midrange-tweeter ribbon. Power handling 150 W cont avg; FR 38-20,000 Hz; sens 107 dB SPL/W/m; imp 5 ohms. Agate or walnut fascia. 15 x 46 x 11 in; 65 lb \$1,795/pr

**Ribbin-Wall 2-Way In-Wall Speaker**

Hybrid design with 6 1/2-in woofer and 26-in line-source ribbon. Power handling 50 W cont avg; FR 40-20,000 Hz; imp 6 ohms; crossover point 1,200 Hz. Paintable flush-mounted metal grille. 52 x 12 x 3 1/4 in. Wall cutout 12 1/2 x 48 in; 40 lb \$1,350/pr

**Centaur Minor 2-Way Ribbon Speaker**

Hybrid design with 6 1/2-in woofer ribbon and tweeter ribbon. Woofer-level control. Power handling 50 W cont avg; FR 40-20,000 Hz; imp 6 ohms; crossover point 1,200 Hz. Metallic gray finish \$1,295/pr  
 Matching stands \$169

**Crossover**

**Dax III Active Crossover**

For Diva, Duetta Signature, Caliper Signature, or Centaur Major. Compatible with balanced or single-ended amps. Features separate regulated power supply. High- and low-pass level controls. S/N 100 dB; distortion 0.003%; output imp 8 ohms \$3,295

**ARANT**

The following feature a 5-year warranty.

**A-200 3-Way Speaker**

Vented design with 10-in woofer, 4 1/2-in dome midrange, and 1-in dome tweeter. Power handling 15 W

min; FR 34-22,000 Hz ± 3 dB; sens 92 dB SPL/W/m; crossover points 800 and 3,500 Hz; imp 6 ohms. Oiled walnut finish with black knit grille \$770/pr

**A-100 2-Way Speaker**

Tower design with 8-in polyfiber woofer, dome tweeter. Power handling 150 W max; FR 36-22,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz. 28 x 10 x 10 in \$600/pr

**A-140 2-Way Speaker**

6 1/2-in woofer, passive radiator, and 1-in dome tweeter. Power handling 12 W min; FR 32-22,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 2,700 Hz. Oiled walnut finish with black knit grille. 11 x 19 x 11 in; 49 lb/pr \$550/pr

**A-80 2-Way Speaker**

8-in woofer and 1-in dome tweeter in vented enclosure. Power handling 12 W min; FR 38-22,000 Hz ± 3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; imp 6 ohms. Oiled walnut finish with black knit grille. 11 x 19 x 10 in; 38 lb/pr \$520/pr

**A-60 2-Way Speaker**

6 1/2-inch woofer and 1-inch dome tweeter in vented enclosure. Min power 12 W; FR 49-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled walnut finish with black grille \$330/pr

**A-40 2-Way Speaker**

4 1/2-in woofer and 3/4-in dome tweeter. Power handling 8 W min; FR 60-22,000 Hz ± 3 dB; sens 86 dB; imp 6 ohms. Walnut finish \$220/pr

**ATLANTIC TECHNOLOGY**

**Pattern 200 Powered Subwoofer/Satellite System**

Subwoofer with two 8-in drivers; 5 satellites, each with two 3-in full-range drivers; 6-channel 120-W amp; Dolby Pro Logic decoder. Features 4 rotating dual-enclosure satellites; 1 dual-enclosure center-channel satellite; biampification for subwoofer and satellites; magnetic shielding; wireless remote control; theater compensation for bright soundtracks; 30-ms digital delay; dynamic EQ/limiter; 1 speaker- and 3 line-level inputs with auto source selection; test signal for center- and surround-channel balancing; individual volume for subwoofer, center, and surround channels; master volume control \$1,199

**Pattern 100 Powered Subwoofer/Satellite System**

Vented subwoofer with dual 6 1/2-in woofers; 2 satellites, each with two 3-in drivers; 60-W amp. Features rotating dual-enclosure satellites; biampification for subwoofer and satellites; magnetic shielding; satellite mounting brackets. Amplifier features dynamic EQ/limiter to protect subwoofer and enhance bass at low levels; 1 speaker- and 3 line-level inputs with auto source selection; dual-mode connectors for RCA and mini-plug inputs; ±6-dB bass control. FR 38-20,000 Hz; sens 110 dB SPL/W/m. Mounting brackets for satellites \$479  
**125 C.** Pattern carrying case \$99  
**135 ST.** Pattern satellite stands \$89  
**155 WB.** Swivel wall-mount brackets \$59

**150 Series**

**Model 152 PBM Powered Subwoofer**

Bass enclosure with 8-in polypropylene woofer; 30 W x 3, 70 x 1 amps. Features bass-boost circuitry. Switchable 80/120-Hz crossover points with 24-dB/oct low-pass slope and 12-dB/oct high-pass slope; bass and treble controls \$499

**Model 151 LR 2-Way Bookshelf Speaker**

Molded cabinet with 4-in polypropylene woofer and 1/2-in soft-dome tweeter. Features magnetic shielding. Power handling 10-120 W rms \$149

**Model 154 SR Surround Speaker**

Two 3 1/2-in polypropylene midbass woofers. Features diagonal mounting to reverse phase between drivers. Includes wall-mount brackets \$149/pr

**Model 153 C Center-Channel Speaker**

Two 3 1/2-in polypropylene woofers and 1/2-in polypropylene soft-dome tweeter in symmetrical, horizontal alignment. Features magnetic shielding. Power handling 120 W rms. Matte black finish \$139

**Surround Speaker Systems**

**Model 150 HT.** Model 152 PBM, 2 Model 151 LR's, Model 153 C, and 2 Model 154 SRs \$849  
**Model 150 S.** Model 152 PBM, Model 153 C, and 2 Model 154 SR's \$699  
**Model 150 A.** Model 152 PBM and 2 Model 151 LR's \$599  
**Model 150 CSR.** Model 153 C and 2 Model 154 SR's \$249

**150 Series Accessories**

**156 ST.** Speaker stands \$99  
**157 WB.** Swivel wall-mount brackets \$59

**AUDIENCE**

**Mikro 2-Way Mini Speaker**

4-in paper midrange and 1-in cloth tweeter. Features die-cast aluminum construction. Power handling 100 W; FR 50-20,000 Hz; sens 85 dB SPL/W/m; nom imp 8 ohms; crossover point 4,000 Hz. Black or charcoal-gray finish. 4 1/2 x 7 x 4 in; 6 lb \$498/pr

**Mikro Subwoofer**

12-in driver. Power handling 100 W; FR 30-200 Hz; sens 85 dB SPL/W/m; nom imp 8 ohms. 18 1/4 x 11 x 18 1/4 in; 33 lb \$498

**AUDIKRON**

**VTS 5 + 1 Subwoofer/Satellite System**

Bass module with 12-in driver and 5 satellites, each with 4-in woofer and 1/2-in dome tweeter. Tweeter is mounted on antifriction mat. Black-matte finish. Subwoofer: 16 1/2 x 16 1/2 x 14 1/2 in. Satellite: 7 3/8 x 5 x 5 in \$999

**AUDIO CONCEPTS**

The following are available in kit or assembled form.

**Sub 1 Subwoofer**

12-in dual-voice-coil driver. Power handling 250 W cont; FR 20-90 Hz ± 3 dB; sens 89 dB W/m. Oak, black, or cherry finish. 13 x 25 x 14 in \$799/pr

**Sapphire II T1 2-Way Speaker**

Hybrid aperiodic 7-in Kevlar-cone woofer and aperiodic inverted-dome tweeter. Lacquered oak, black, or cherry finish with black-knit grille. Power handling 125 W cont; FR 65-20,000 Hz ± 3 dB; sens 89 dB W/m. 10 x 16 x 10 in \$759/pr

**G3 3-Way Speaker**

Features aperiodic 10-in woofer, 5-in cone-midrange, 1-in aluminum-dome tweeter. Power handling 200 W cont; FR 36-20,000 Hz, ± 3 dB; sens 89 dB W/m. Lacquered oak, black, or cherry finish with black grille. 36 x 12 x 12 in \$649/pr

**LV Subwoofer**

12-in dual-voice-coil subwoofer in aperiodic enclosure. Power handling 150 W/ch max; 100-Hz crossover; FR 35-100 Hz ± 3 dB; sens 89 dB W/m. Lacquered oak, black, or cherry finish \$325

**LV Satellite 2-Way Bookshelf Speaker**

5-in woofer and 1-in aluminum-dome tweeter. Power handling 100 W cont; FR 70-22,000 Hz ± 3 dB; sens 89 dB W/m. Lacquered oak, black, or cherry finish with black grille. 7 x 11 x 10 in \$299/pr

**LX 2-Way Speaker**

8-in woofer and 1-in textile-dome tweeter. Power handling 100 W cont; FR 65-20,000 Hz ± 3 dB; sens 89 dB W/m. Textured black or lacquered oak/cherry finish with black grille. 10 x 16 x 8 in \$269/pr



I C O N

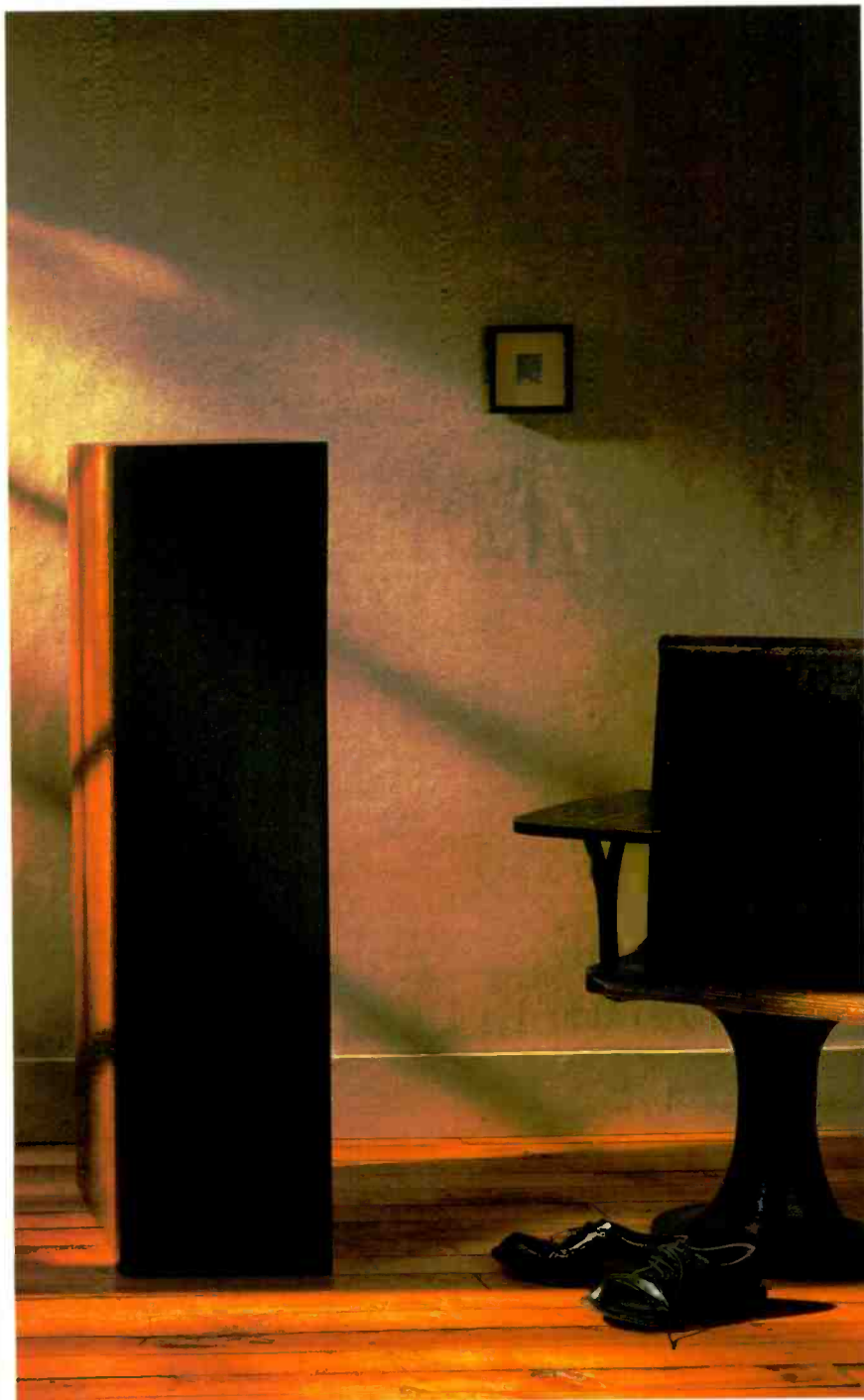
By making our speakers available to you directly from our factory, we can offer them at half the price the same speakers would cost in a store, saving you hundreds of dollars.

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*Shown: The Parsec, \$1,795 per pair, also available, The Lumen, \$795 per pair.*



Susan Cuthrie Photography

I C O N A C O U S T I C S I N C

13 FORTUNE DRIVE BILLERICA, MA 01821

**AV1 Shielded 2-Way Speaker**

Ported design with 5½-in woofer and 1-in dome tweeter. Power handling 100 W cont; FR 65-20,000 Hz  $\pm 3$  dB; sens 88 dB W/m. Textured black or lacquered oak/cherry finish with black grille. 7 x 11 x 8 in ..... \$189/pr

**B-Flat In-Wall Speaker**

7-in polypropylene woofer and 1-in dome-tweeter. Power handling 70 W cont; FR 60-20,000 Hz  $\pm 3$  dB; sens 89 dB W/m. White plastic baffle with white metal grille. 8½ x 12 x 3 in ..... \$129/pr

**AUDIO NOTE****Model 3/SP 2-Way Speaker**

Ported design with 8-in woofer and 1-in dome tweeter. Features silver wiring. Power handling 200 W; FR 33-19,000 Hz  $\pm 1.5$  dB; sens 95 dB SPL/W/m; imp 6 ohms; crossover point 2,300 Hz. Oiled walnut, oak, or black finish; black-cloth grille. 43 lb ..... \$2,495/pr

**Model 3/B.** As above, no silver wiring ..... \$1,995/pr

**Model 2/SP 2-Way Speaker**

Ported design with 8-in woofer and 1-in dome tweeter. Features silver wiring. Power handling 150 W; FR 43-19,000 Hz  $\pm 1.5$  dB; sens 94 dB SPL/W/m; imp 6 ohms; crossover point 2,300 Hz. Oiled walnut, oak, or black finish; black-cloth grille. 23 x 13 x 10 in; 28 lb ..... \$1,795/pr

**Model 2B.** As above, no silver wiring ..... \$1,395/pr

**Model 1/SP 2-Way Speaker**

Acoustic-suspension design with 8-in woofer and 1-in dome tweeter. Features silver wiring. Power handling 150 W; FR 65-18,000 Hz  $\pm 1.5$  dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,300 Hz. Oiled walnut, oak, or black finish; black-cloth grille. 18 x 10 x 8 in; 19 lb ..... \$1,195/pr

**Model 1/B.** As above, without silver wiring ..... \$895/pr

**AUDIOSOURCE****SW-3.1 Subwoofer/Satellite System**

Bass-reflex module with downward-firing 12-in dual-voice-coil woofer and two LS-One satellites (below). Features crossover network. Power handling 150 W; FR 25-160 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 150 Hz. Matte-black finish ..... \$400

Subwoofer only ..... \$250

**LS-Two/A 2-Way Speaker**

Acoustic-suspension design with 5-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Power handling 50 W; FR 60-20,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black or white cast-aluminum weatherproof enclosure. 5½ x 8½ x 4½ in; 5.5 lb ..... \$249/pr

Mounting brackets; black or white ..... \$30/pr

**LS-One 2-Way Speaker**

Acoustic-suspension design with 4-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Power handling 40 W; FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Black cast-aluminum enclosure; available in black or white metal weatherproof finishes. 4½ x 7½ x 4½ in; 5.5 lb ..... \$200/pr

**VS-1.1 Surround Speaker System**

Pre-packaged system with VS-1 speaker (below), pair of LS Ten/B rear channel speakers, and speaker wire ..... \$200

**VS-Two 2-Way Powered Speaker**

Acoustic-suspension design with dual 4-in woofers and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Line and speaker-level inputs. Volume control. 30 W x 1 into 8 ohms; line-level input imp 47 kilohms. FR 70-20,000 Hz; imp 8 ohms; crossover point 5,000 Hz. 5½ x 13¼ x 5½ in; 7 lb ..... \$160

**VS-Three 2-Way Speaker**

5¼-in woofer and 1-in ferrofluid cooled tweeter. Magnetic shielding. Black ..... \$140

**VS-1 2-Way Center-Channel Speaker**

Ported enclosure with two 4-in woofers and 1-in ferrofluid-cooled dome tweeter. Magnetic shielding. Power handling 50 W; FR 70-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Wood composite with matte-black finish. 5½ x 13¼ x 5½ in; 8.8 lb ..... \$119

**LS-Ten/A 2-Way Speaker**

Designed for surround systems's rear channels. 4-in woofer and 1-in tweeter. Optimal balance crossover; magnetic shielding. Mount hook on back ..... \$100/pr

**Surround Speaker Packages**

See *Signal Processors section for information on AudioSource surround-sound processors.*

**SS3001.** Includes SS-Three/II processor, two LS-Ten/A speakers, one VS-One speaker, and cable ..... \$580

**SS4001.** As above, with SS Four processor ..... \$500

**SS2001.** Includes SS-Two processor, two LS-Ten/A speakers, and cable ..... \$300

**SS1001.** As above, with SS-One processor ..... \$250

**In-Wall Speakers****IW-Three 2-Way In-Wall Speaker**

8-in woofer and 1-in soft-dome tweeter. Power handling 100 W; sens 92 dB; imp 8 ohms. White finish; paintable metal grille. Mounting depth 3½ in \$250/pr

**RI-Three.** Rough-in mounting ..... \$70/pr

**IW-Two 2-Way In-Wall Speaker**

6½-in polycarbonate woofer and 1-in soft dome tweeter. Power handling 75 W; sens 90 dB; imp 8 ohms. White finish; paintable metal grille. Mounting depth 3¼ in ..... \$200/pr

**RI-Two.** Rough-in mounting kit ..... \$70/pr

**IW-Four In-Wall Subwoofer**

8-in woofer with dual voice coils. Power handling 100 W; sens 92 dB; imp 8 ohms; crossover point 120 Hz. Mounting depth 3½ in ..... \$150

**IW-One In-Wall Speaker**

5¼-in polycarbonate woofer and ½-in polyimide tweeter. Power handling 75 W; sens 90 dB; imp 8 ohms. White finish with paintable metal grille. Mounting depth 3 in ..... \$130/pr

**RI-One.** Rough-in mounting kit ..... \$50/pr

**AUDIOSTATIC****ES-600-RS Electrostatic Speaker System**

ES-300-RS speaker and SW-3 electrostatic subwoofer. SW-3: power handling 250 W; FR 25-310 Hz; sens 88 SPL/W/m; imp 8 ohms. 16½ x 75¼ x 2 in; 68.5 lb ..... \$10,000/pr

**ES-900-RS.** As above, with two SW-3's ..... \$15,000/pr

**ES-300-RS Electrostatic Speaker**

Multi-suspension bipolar design with low mass membrane. 2-in MDF frame. Polypropylene capacitors; gold-plated terminals. Power handling 250 W; FR 25-22,000 Hz; sens 88 dB SPL/W/m; nom imp 8 ohms; bass 35 Hz. Glossy-lacquer finish. 16½ x 75¼ x 2 in; 68.5 lb ..... \$5,000/pr

**ES-100-RS.** As above, bass 45 Hz ..... \$2,895/pr

**AUDIRE****Image 1 Ribbon Speaker**

Full-range ribbon design with dipolar radiating configuration and line-source array driver arrangement. 9 elements. Power handling 50 W min; FR 30-20,000 Hz; imp 1.9 ohms. Center section covered in black grille cloth with walnut trim. 3-yr warranty. 36 x 72 x 2½ in; 150 lb ..... \$6,500/pr

**Image 2.** As above, 6 elements. Power handling 75 W min; FR 35-20,000 Hz; imp 2.8 ohms. 32 x 72 x 2½ in; 125 lb ..... \$4,500/pr

**Image 5.** As above, 3 elements. FR 40-20,000 Hz; imp 5.7 ohms. 27 x 72 x 2½ in; 64 lb ..... \$2,300/pr

**Image 4.** As above, 2 elements. FR 50-20,000 Hz; imp 3.8 ohms. 24 x 60 x 1¼ in; 50 lb ..... \$1,500/pr

**AUDIX****HRM-3 2-Way Speaker**

Two 6½-in cast-frame woofers and one 1-in vented cloth-dome tweeter. Features 32-mm 2-layer voice coils; bead mounting; Neoprene faceplate; fiberglass interlining. Power handling 350 W; FR 47-19,000 Hz  $\pm 2$  dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black-sand or oak finish. 12 x 19 x 10 in; 45 lb pr ..... \$799/pr

**HRM-2 2-Way Speaker**

Vented design with two 6½-in cast-frame woofers and one 1-in polyimide-dome tweeter. Features 1½-in voice coil; Neoprene faceplate; fiberglass interlining. Power handling 350 W; FR 47-18,000  $\pm 2$  dB; sens 94 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black-sand or oak finish. 12 x 19 x 10 in; 45 lb pr ..... \$649/pr

**HRM-1 2-Way Speaker**

Vented design with 6½-in cast-frame woofer and 1-in polyimide-dome tweeter. Features 1½-in voice coil; Neoprene faceplate; fiberglass interlining. Power handling 250 W; FR 50-18,000  $\pm 3$  dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black-sand or oak finish. 10 x 16 x 7¼ in; 25 lb pr ..... \$499/pr

**PM-5 2-Way Powered Bookshelf Speaker**

Vented design with 5-in polypropylene woofer and 1-in polyimide-dome tweeter; 25 W x 2 amplifier. Features vented baffle; acoustic beading; internal acoustic interlining; hand-wired crossover network; gold-plated connectors. Power handling 100 W; FR 50-18,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black sand coat finish. 6 x 9 x 9 in ..... \$429/pr

**MM-5 2-Way Bookshelf Speaker**

Vented mirror-image design with 5-in polypropylene woofer and 1-in polyimide dome tweeter. Features vented baffle, acoustic beading; internal acoustic interlining; hand wired crossover network; gold plated terminal connectors. Power handling 100 W; FR 50-18,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black sand coat finish. 6 x 9 x 9 in ..... \$249/pr

**Powered Speakers****PH-6 2-Way Powered Speaker**

6½-in woofer and 1-in dome tweeter; 25 W x 2 amplifier. FR 50-22,000 Hz; imp 4 ohms. 6½ x 10¾ x 7 in ..... \$329/pr

**PH-5 2-Way Powered Speaker**

5¼-in woofer and 1-in dome tweeter; 25 W x 2 amplifier. FR 55-22,000 Hz; imp 4 ohms. 5½ x 9½ x 6 in ..... \$289/pr

**PH-4 2-Way Powered Speaker**

4-in woofer and 1-in dome tweeter; 20 W x 2 amplifier. FR 60-22,000 Hz; imp 4 ohms. 5½ x 8½ x 5 in ..... \$249/pr

**PH-3 2-Way Powered Speaker**

3½-in woofer and 1-in dome tweeter; 18 W x 2 amplifier. Includes mounting bracket. FR 65-22,000 Hz; imp 4 ohms. 4½ x 7½ x 4¾ in ..... \$199/pr

**Music Playback Speakers****MS-6 2-Way Speaker**

6½-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 60 W; FR 50-22,000 Hz; imp 4 ohms. 6½ x 10¾ x 7 in ..... \$229/pr

**MS-5 2-Way Speaker**

5¼-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 45 W; FR 55-22,000 Hz; imp 4 ohms. 5½ x 9½ x 6 in ..... \$189/pr

**MS-4 2-Way Speaker**

4-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 25 W; FR 60-22,000 Hz; imp 4 ohms. 5½ x 8½ x 5 in ..... \$159/pr



# S P E A K E R S

## MS-3 2-Way Speaker

3½-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 20 W; FR 65-22,000 Hz; imp 4 ohms. 4½ x 7½ x 4¾ in. . . . . \$129/pr

## Accessories

Mounting brackets compatible with all PH, MS, and PM series speakers.

**MB-1.** Features ball-joint system . . . . . \$40/pr

**MB-2.** Features ball-joint system; long-throw design . . . . . \$40/pr

**MB-3.** Features slotted clamp system . . . . . \$40/pr

## AVALON ACOUSTICS

### Ascend MkII 3-Way Speaker

11-in Nomex/Kevlar composite woofer, 2-in aluminum/magnesium-dome midrange, and 1-in titanium-dome tweeter. Power handling 300 W; FR 36-24,000 Hz ± 1.5 dB; imp 6 ohms; sens 88 dB SPL/W/m. 5-year limited warranty. Crossover 12 x 32 x 12 in; 55 lb. 13 x 45 x 18 in; 175 lb. . . . . \$15,000/pr

### Eclipse 2-Way Speaker

8½-in Nomex/Kevlar composite woofer and 1-in titanium-dome tweeter. Power handling 300 W; FR 45-24,000 Hz ± 1.5 dB; imp 6 ohms; sens 86 dB SPL/W/m. 11 x 39 x 15 in; 95 lb. . . . . \$7,200/pr

### Eclipse 2-Way Speaker

8-in Nomex/Kevlar composite woofer and 1-in titanium-dome tweeter. Power handling 300 W; FR 45-24,000 Hz ± 1.5 dB; imp 6 ohms; sens 85 dB SPL/W/m. 9 x 34 x 13 in; 60 lb. . . . . \$3,950/pr

## AVID

### Model 232CP 3-Way Speaker

Bass-reflex design with 10-in polypropylene woofer, 4½-in midrange, and 1-in soft-dome tweeter. Ferrofluid-cooled tweeter and midrange. Power handling 150 W cont; FR 40-20,000 Hz -3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 650 and 5,000 Hz. 15 x 28 x 10¾ in. . . . . \$600/pr

### Model 102CP 2-Way Speaker

Acoustic-suspension design with 10-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 100 W cont; FR 43-20,000 Hz -3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 15 x 25 x 10½ in. . . . . \$360/pr

### Model 80CP 2-Way Speaker

Acoustic-suspension design with 8-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 70 W cont; FR 53-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. 12 x 19½ x 8¾ in. . . . . \$300/pr

### Model 60CP 2-Way Speaker

Acoustic-suspension design with 6½-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 60 W cont; FR 70-20,000 Hz +0, -3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 8¾ x 14 x 8 in. . . . . \$240/pr

## AXIOM

### AX 5 3-Way Speaker

10- and 5-in woofers and 1-in dome tweeter. FR 29-22,000 Hz ± 2 dB; sens 87 dB; imp 4 ohms; crossover points 180 and 3,000 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 38 x 15 in; 50 lb. . . . . \$1,699/pr

### AX Subwoofer

10-in woofer and crossover. FR 29-120 (or 250) Hz ± 3 dB; sens 87 dB; imp 4 ohms; crossover points 120 and 250 Hz. Dark, natural, or black oak finish with black knit grille. 15 x 24 x 12 in; 40 lb. \$1,099/pr

### AX 3 3-Way Speaker

8 and 5-in woofers and 1-in dome tweeter. FR 36-22,000 Hz ± 2 dB; sens 88 dB; imp 4 ohms; crossover points 180 and 3,000 Hz. Dark, natural, or black

oak finish with black knit grille. 10 x 34 x 12 in; 33 lb. . . . . \$899/pr

### AX 1 2-Way Speaker

Tuned-port design with 5-in woofer and 1-in dome tweeter. FR 70-22,000 Hz ± 2 dB; sens 87 dB; imp 4 ohms; crossover point 3,000 Hz. Dark, natural, or black oak finish with black knit grille. 6 x 11 x 6 in; 15 lb. . . . . \$599/pr

### AX 2 2-Way Speaker

Tuned-port design with 8-in woofer and 1-in dome tweeter. FR 40-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms; crossover point 3,200 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 24 x 10 in; 25 lb. . . . . \$569/pr

### AX 2 2-Way Bookshelf Speaker

Tuned-port design with 8-in woofer and 1-in dome tweeter. FR 43-22,000 Hz ± 2 dB; sens 89 dB; imp 8 ohms; crossover point 3,200 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 20 x 10 in; 22 lb. . . . . \$459/pr

### AX 1.5 2-Way In-Wall Speaker

6½-in woofer and ¾-in dome tweeter. FR 45-22,000 Hz ± 2 dB; sens 89 dB; imp 6 lb. . . . . \$328/pr

### AX 1.5 2-Way Speaker

Tuned-port design with 6½-in woofer and ¾-in dome tweeter. FR 45-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Dark, natural, or black oak finish with black knit grille. 10 x 20 x 8 in; 18 lb. . . . . \$299/pr

### AX 1.5 Bookshelf Speaker

Tuned-port design with 6½-in woofer and ¾-in dome tweeter. FR 50-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Dark, natural, or black oak finish with black knit grille. 10 x 15 x 8 in; 15 lb. . . . . \$199/pr

## BAG END

### AF1 3-Way Speaker

Ported design with 18-in woofer, 12-in midrange, and horn-tweeter. Biwire/biamp terminals. Power handling 300 W cont; FR 40-19,000 Hz ± 3 dB; sensitivity 103 dB SPL/W/m; impedance 8 ohms; crossover points 125 and 3,300 Hz. Black carpet. 22 x 43 x 18 in; 168 lb. . . . . \$2,720/pr

### TA15 2-Way Speaker

Ported design with 15-in woofer and horn tweeter. Power handling 200 W cont; FR 50-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms; crossover point 1,700 Hz. Brown birch finish. 22 x 27 x 18 in; 86 lb. . . . . \$2,112/pr

### TA12 2-Way Speaker

Ported design with 12-in woofer and horn tweeter. Power handling 200 W cont; FR 70-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Oak veneer or brown birch. 18 x 23 x 15 in; 55 lb. . . . . \$1,380/pr

### TA12-JR 2-Way Bookshelf Speaker

Ported design with 12-in woofer and horn tweeter. Power handling 150 W cont; FR 75-19,000 Hz ± 3 dB; sens 101 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Oak veneer or brown birch. 14 x 21 x 12 in; 40 lb. . . . . \$1,092/pr

### ELF Subwoofers

The following feature a patented enclosure design. All are compatible with the ELF-1 equalizer/crossover.

**S18E-O.** 18-in Kevlar cone woofer with 3-in edge-wound copper voice coil and 6-lb magnet. Power handling 300 W cont (400 W with ELF-1); FR 20-2,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oak veneer. Black carpet. 22 x 22 x 18 in; 65 lb. . . . . \$688

**S18E-C.** As above, with black-carpet cabinet. . . . . \$598

**S18E-I.** As S18E-O, with black finish. . . . . \$598

**D18E-I.** As S18E-O, two 18-in woofers. Power handling 800 W with ELF-1; sens 95 dB SPL/W/m; imp 4 ohms. Black finish. 22 x 43 x 18 in; 135 lb. . . . . \$1,232

## B & W

### Matrix 800 3-Way Speaker

Two 11¼-in woofers, two 5-in cone midranges, and one 1¼-in gold dome tweeter. Features modular cabinets with matrix construction. Power handling 800 W; FR 20-20,000 Hz ± 2 dB; sens 93 dB SPL/W/m; imp 4 ohms. 242 lb. . . . . \$18,000/pr

### Matrix 801 Series 3-Way Speaker

4th-order Butterworth, vented design with 12-in polymer woofer, 5⅝-in Kevlar midrange, and 1-in metal-dome tweeter. Electronic bass-alignment filter. Power handling 600 W; FR 20-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover points 380 and 3,000 Hz. Walnut or black ash. 17 x 39¾ x 22 in; 119 lb. . . . . \$5,500/pr

### Matrix 802 Series 2 3-Way Speaker

4th-order Butterworth, vented design with two 8-in polymer woofers, 5-in Kevlar midrange, and 1-in metal-dome tweeter. Electronic-bass alignment filter. Power handling 500 W; FR 27-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 400 and 3,000 Hz. Walnut or black ash. 11¾ x 41 x 14½ in; 70 lb. . . . . \$4,000/pr

### Matrix 803 3-Way Speaker

Bass-reflex design with 7-in Cobex-cone woofer, 7-in Kevlar bass/midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Bass-alignment filter. Power handling 200 W; FR 28-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer. 11¼ x 40¼ x 13¾ in; 58 lb. . . . . \$3,000/pr

### Matrix 804 3-Way Speaker

Bass-reflex design with 6½-in Cobex-cone woofer, 6½-in Kevlar bass/midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Bass-alignment filter. Power handling 200 W; FR 31-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer. 10¼ x 36⅝ x 10¾ in; 43 lb. \$2,200/pr

### CM2 Matrix 3-Way Speaker

Butterworth-vented design consisting of column with two 5¼-in woofers and attached satellite with 5-in Kevlar midrange, and 1-in metal-dome tweeter. Overload protection circuit. Power handling 200 W; FR 48-20,000 Hz ± 1.5 dB; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 150 Hz. Black finish. Column: 6⅝ x 39¼ x 8½ in. . . . . \$1,900/pr

### Matrix 805 2-Way Speaker

Bass-reflex design with 6½-in Kevlar bass/midrange and 1-in ferrofluid-cooled metal-dome tweeter. Bass-alignment filter. Power handling 120 W; FR 45-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer. 10⅝ x 16⅝ x 8⅞ in; 18.7 lb. . . . . \$1,600/pr

### CM1 2-Way Bookshelf Speaker

Acoustic suspension design with 5-in Kevlar woofer and 1-in metal-dome tweeter. Features matrix construction. Power handling 120 W; FR 90-20,000 Hz ± 1.5 dB; sens 85 dB SPL/W/m; imp 8 ohms. Black semigloss finish. 6⅝ x 9⅝ x 8¼ in; 11 lb. . . . . \$800/pr

### Digital Monitor 600 Series

#### DM 640 3-Way Speaker

Bass-reflex design with two 7¼-in woofers, 6¼-in midrange, and 1-in metal-dome tweeter. Features subenclosure for midrange; biwire/biamp terminals. Power handling 150 W; FR 46-20,000 ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 300 and 3,000 Hz. Simulated walnut or black veneer. 9¼ x 37⅝ x 15⅞ in; 53 lb. . . . . \$1,500/pr

#### DM 630 2-Way Speaker

Bass-reflex design with two 7¼-in woofers and 1-in metal-dome tweeter. Biwire/biamp terminals. Power

# S P E A K E R S

handling 150 W; FR 53-20,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 400, 3,000 Hz. Simulated walnut or black veneer. 9 1/4 x 33 1/8 x 15 7/8 in; 42 lb ..... \$1,100/pr

## DM 620 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 58-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Walnut or black veneer. 9 1/4 x 29 1/4 x 11 1/8 in; 31 lb ..... \$800/pr

## DM 610 2-Way Speaker

2nd-order design with 8-in woofer and 1-in tweeter. Biwire/biamp terminals. Crossover point 2,500 Hz; FR 70-20,000 Hz  $\pm$  2 dB; power handling 150 W. Black veneer. 9 1/4 x 19 1/4 x 11 1/8 in; 17.1 lb ..... \$500/pr

## DM 310 2-Way Speaker

Bass-reflex design with 7 3/4-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 70-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Simulated anthracite, black-ash, or walnut veneer. 10 1/4 x 18 3/4 x 8 3/4 in; 16 lb ..... \$500/pr

## DM 600 2-Way speaker

2nd-order design with 6 1/2-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Crossover point 2,500 Hz; FR 80-20,000 Hz  $\pm$  2 dB; power handling 150 W. Zaida finish. 8 x 13 3/4 x 11 7/8 in; 9.7 lb ..... \$350/pr

## In-Wall Speakers

### CWM 8 2-Way In-Wall Speaker

Acoustic-suspension design with 8 3/4-in polypropylene woofer and 1-in metal-dome tweeter. Power handling 100 W; FR 35-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 10 3/4 x 14 1/8 x 3 3/8 in ..... \$600/pr

### CWM 6 2-Way In-Wall Speaker

Acoustic-suspension design with 7-in polypropylene woofer and 1-in metal-dome tweeter. Power handling 70 W; FR 45-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 6 ohms. 9 x 12 1/2 x 3 in ..... \$400/pr

## 200 Series

### V202 2-Way Speaker

Bass-reflex design with 7 3/4-in woofer and 1-in tweeter. Power handling 120 W; FR 48-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Simulated black-ash or walnut veneer. 9 1/2 x 19 1/2 x 8 3/4 in; 12.5 lb ..... \$300/pr

### V201 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in tweeter. Power handling 100 W; FR 66-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Simulated black-ash or walnut veneer. 8 1/4 x 14 x 7 1/2 in; 9 lb ..... \$200/pr

## BANG & OLUFSEN

### Beovox Penta 3-Way Speaker

5-sided bass-reflex design with four 5-in woofers, four 3-in midranges, and 1-in dome tweeter. Power handling 150 W rms; imp 8 ohms; FR 40-20,000 Hz +4, -8 dB; sens 92 dB SPL/W/m; crossover points 700 and 5,000 Hz. Brushed stainless-steel finish with black grille. 5 x 59 x 5 3/8 in; 37 lb ..... \$2,400/pr

## Powered Speakers

### Beolab Penta III 3-Way Powered Speaker

5-sided bass-reflex enclosure with four 5-in woofers, four 3-in midranges, 1-in dome tweeter, and 150-W amplifier. Features dynamic clipping attenuator; 3-position bass-level switch; auto turn on/off with Beo-system 5500; source, volume, recording-status, and overload displays. Power handling 150 W rms; FR 40-20,000 Hz +4, -8 dB; sens 92 dB SPL/W/m; crossover points 700 and 5,000 Hz; imp 8 ohms. Amp: THD 0.015%; SN 100 dBA at full power. Brushed stain-

less-steel finish with black grille. 5 x 65 x 5 3/8 in; 53 lb ..... \$3,500/pr

### Beolab 8000 3-Way Powered Speaker

Bass-reflex system with two 4-in woofers, one 3/4-in ferrofluid-cooled tweeter, and two integral 80 W x 2 amplifiers. Features conically tipped tubular-aluminum cabinet; active crossover with 24-dB/oct Linkwitz-Riley filter at 4,200 Hz for upper woofer. 6-dB/oct at 300 Hz for lower woofer; magnetic shielding; cast-iron base. 8-pin Power Link socket; line-level input. Includes rubber supports and spikes for base. FR 50-20,000 Hz  $\pm$  2 dB; SN 98 dBA. Polished and anodized mirror-finished surface with matte-black Lycra grille. 6 x 52 x 6 in; 44 lb ..... \$3,000/pr

### Beolab 5000 2-Way Powered Speaker

Bass-reflex design with two 5-in woofers, one 1-in dome tweeter, and 55-W amplifier. Designed for wall hanging. Features auto bass-level switching; auto turn on/off with Beolink system; source, volume, and recording-status displays. Power handling 60 W rms; FR 60-20,000 Hz +4, -8 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Amp: FR 20-20,000 Hz; THD 0.1%; SN 97 dBA. Brushed stainless steel with blue or gray grille cloth. 17 3/4 x 39 3/4 x 3 in; 33.5 lb ..... \$2,100/pr

## RL Series

*The following feature a curved enclosure and are available in high-gloss black or white with a gray or black grille.*

### RL 7000 3-Way Speaker

Bass-reflex design with two 6 1/2-in woofers, 5-in mid-range, and 1-in dome tweeter. Power handling 140 W rms; FR 40-20,000 Hz +4, -8 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 800 and 3,000 Hz. 28 x 20 x 9 1/2 in; 33 lb ..... \$1,000/pr  
Floor stands ..... \$150/pr  
Swivel brackets ..... \$55/pr

### RL 6000 2-Way Speaker

Bass-reflex design with two 5-in woofers and 1-in dome tweeter. Power handling 60 W rms; FR 45-20,000 Hz +4, -8 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 21 1/4 x 16 x 7 in; 19.6 lb ..... \$600/pr  
Floor stands ..... \$130/pr  
Swivel brackets ..... \$45/pr

### RL 1000 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1 1/4-in tweeter. Power handling 35 W rms; FR 48-20,000 Hz +4, -8 dB; imp 8 ohms; sens 92 dB SPL/W/m; crossover point 3,500 Hz. 15 3/4 x 12 1/2 x 5 in; 7.8 lb ..... \$400/pr

## In-Wall Speakers

### IWS 2000 In-Wall Speaker

Sealed-box design with 5 1/4-in woofer and 1-in polycarbonate-dome tweeter. Features mounting space for B&O's Master Control Link transceiver and relay box; magnetic grille attachment; Beolink 7000 or 5000 remote compatibility. Power handling 100 W rms; FR 50-20,000 Hz +3, -8 dB; sens 89 dB SPL/W/m; crossover point 2,500 Hz. 14 1/2 x 8 x 3 1/4 in; 5.2 lb ..... \$500/pr  
With paintable grille and transceiver/relay box installed ..... \$650/pr  
**IWS 1000.** As above, infinite-baffle design. FR 55-20,000 Hz +3, -8 dB. 11 1/4 x 8 x 3 1/4 in; 5 lb ..... \$400/pr

## Compact Series

### Beovox CX100 Bookshelf Speaker

Pressure-chamber design with two 4-in woofers and 1-in dome tweeter. Power handling 100 W rms; sens 89 dB SPL/W/m; imp 6 ohms; FR 50-20,000 Hz +4, -8 dB; crossover point 2,500 Hz. Aluminum, black, white, or gray finish. 4 3/4 x 12 3/8 x 8 in; 11 lb ..... \$450/pr  
**Beovox CX50.** As above, one 4-in woofer. Power handling 50 W rms; sens 89 dB SPL/W/m; imp 6 ohms; FR 80-20,000 Hz +4, -8 dB. 4 3/4 x 8 x 8 in; 7.7 lb ..... \$350/pr

## Beovox Cona Subwoofer

Bass-reflex design with 8-in dual-voice-coil woofer. Power handling 60 W rms; sens 89 dB SPL/W/m; FR 40-195 Hz +4, -8 dB; crossover point 195 Hz; imp 6 ohms. White, black, or gray finish. 10 1/2 (height) x 17 (diameter) in; 16.5 lb ..... \$425

## BLAKESLEE RESEARCH

### AA7 Extended Point Source 2-Way Speaker

Wall-mount design featuring 6 1/2-in polypropylene woofer-midrange with cast magnesium frame and 22.5 oz magnet; 1-in cloth-dome tweeter with Neodymium-iron-boron magnet and ferrofluid cooling mounted inside the voice coil. Patented alignment port tuning; air core inductors; polypropylene capacitors; self-resetting tweeter burnout protection; phase-coherent, 6-dB/oct crossover; all connections soldered. FR 27-22,000 Hz  $\pm$  10 dB; imp 8 ohms; sens 86 dB SPL/W/m; power handling 120 W max. 3 x 29 1/2 x 22 1/2 in; 27 lb ..... \$750/pr  
As above, with slip-on framed-art print cover ..... \$990  
**AA14.** As above, in lower configuration. 6 x 39 x 8 in ..... \$700/pr

## BMB

### CS-250V II 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and two 3-in tweeters. Magnetic shielding. Power handling 250 W max; FR 45-20,000 Hz; sens 89 dB W/m; crossover point 2,000 Hz; imp 8 ohms ..... \$669/pr

## BOSE

*Most Bose speakers carry a 5-year transferable warranty. Lifestyle systems and RoomMate speakers carry a 1-year transferable warranty.*

### Lifestyle Powered Speaker

4 1/2-in helical-voice-coil driver. Features built-in power amp; electronic eq; overload protection circuitry. Volume control. White finish. 9 x 6 x 6 in ..... \$339

## 01 Series

*Except for Model 101, the following feature Bose's patented Direct/Reflecting design.*

### Model 901 Series VI Speaker

8 front-facing, 1 rear-facing 4 1/2-inch helical-voice-coil full-range drivers. Pentagon-shaped cabinet. Features active EQ module with midbass, midtreble, and tape-monitor controls. Imp 8 ohms. Genuine hardwood veneer with walnut finish. 5-yr warranty. Equalizer: 13 x 2 3/4 x 4 3/8 in; 3.4 lb. Speaker: 12 5/8 x 21 x 13 in; 35 lb ..... \$1,499/pr

### Model 601 Series III 2-Way Speaker

Slotted-port design with two 8-in cone woofers and four 3-in cone tweeters in patented Free Space array configuration. Features woofer protection circuitry. Power handling 200 W max; imp 8 ohms. Genuine hardwood veneer with walnut finish. 12 1/4 x 30 x 12 1/2 in; 45 lb ..... \$999/pr

### Model 501 Series IV 2-Way Speaker

10-in woofer and two 3-in tweeters in patented Free Space array configuration. Features dual-frequency crossover network; overdrive protection circuitry. Power handling 125 W rms; imp 8 ohms; crossover points 1,500 and 2,500 Hz. Wood-grain-vinyl finish. 5-yr warranty. 16 x 25 x 14 in; 40 lb ..... \$699/pr

### Model 401 2-Way Speaker

Ported design with two 6-in woofers and 2-in liquid-cooled tweeter in patented Free Space array configuration. Features pentagon-shaped cabinet; overdrive protection circuitry. Power handling 100 W max; imp 4 ohms; crossover point 2,200 Hz. Wood-grain-vinyl finish. 5-yr warranty. 12 x 30 x 12 in; 32 lb ..... \$599/pr

### Model 301 Series III 2-Way Bookshelf Speaker

Slotted-port design with 8-in woofer and two 3-in tweeters in patented Free Space array configuration.

# Existing Speaker Technology Wasn't Good Enough.

Redefining speaker design was the job at hand for Camber.

That's the concept behind the Ti Series, the Laser Series, and the SC Series by Camber. Long respected for many industry firsts, Camber set out to create a line of loudspeakers that would offer unprecedented performance at affordable prices. To achieve this goal, Camber relied heavily on technology acquired through years of research at Canada's famous National Research Council and upon experience gained designing and building Studio Monitors for the Canadian Broadcasting Corporation.



- One of the most innovative consumer electronics products of 1992, the Camber 3.5 ti was selected for The 1992 International Summer Consumer Electronics Show's® Innovations '92 Award.
- Critic's Choice Award from *Sound & Vision Magazine* in recognition of the Camber 1.0 ti, Camber Laser 7 as well as the Camber 3.5 ti for Technical Excellence and Exceptional Value.
- The Canadian Broadcasting Corporation selected the Camber 3.5 ti as its official Studio Monitor for use in its studios around the world.
- *Canadian Consumers Magazine* rated Camber 1.0 ti Best Buy in the under \$500 per pair category.

For more information please write to Camber at :

CAMBER Canada, 3700 Griffith Street, #306, Montreal, P.Q. H4T 1A7 (514) 738-3225 • (514) 738-5797 FAX  
CAMBER USA 244-20 38th Avenue, Bellrose, NY 11426 (718) 343-3231 • (718) 343-3231 FAX



# S P E A K E R S

## Camber LS5 2-Way Speaker

Bass-reflex design with 8-in woofer and 3/4-in ferrofluid-damped titanium-dome tweeter. Power handling 150 W cont avg; FR 50-22,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 9 x 19 x 10 in; 22 lb ..... \$399/pr

**Camber LS1.** As above, acoustic-suspension design with 6 1/2-in woofer and 1/2-in tweeter. Power handling 100 W cont avg; FR 60-20,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m. 9 x 11 3/4 x 7 3/4 in; 15 lb ..... \$269/pr

**Camber LS3.** As above, bass-reflex design. FR 50-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m. 8 x 16 x 9 1/4 in; 17.6 lb ..... \$249/pr

## SC Series

### Camber SC 900 2-Way Speaker

Acoustic-suspension design with two 6 1/2-in woofers and 3/4-in ferrofluid-damped titanium-dome tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 11 1/2 x 36 1/2 x 7 3/4 in; 50 lb ..... \$699/pr

**Camber SC 700.** As above, bass-reflex design with one 8-in woofer. Power handling 150 W cont avg; sens 90 dB SPL/W/m. 11 x 24 x 10 in; 35 lb ..... \$499/pr

**Camber SC 300.** As above, one 6 1/2-in woofer. Power handling 100 W cont avg; FR 50-20,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m. 9 x 16 x 8 in ..... \$249/pr

## CAMBRIDGE PHYSICS

*The following feature a 5-year parts-and-labor warranty and an oak finish.*

### G-66 II 3-Way Speaker

Two 8-in polycone woofers, 3-in dome midrange, and 1-in ferrofluid-cooled dome tweeter. 24-dB/oct crossover. FR 26-22,500 Hz; sens 92.5 dB; crossover points 450 and 4,000 Hz. 18 x 44 x 12 in; 90 lb \$1,000

### G-33 II 2-Way Speaker

10- and 8-in polycone woofers, 1-in ferrofluid-cooled dome tweeter. 18-dB/oct crossover. FR 36-22,500 Hz; sens 91 dB; imp 6 ohms; crossover point 1,500 Hz. 16 x 29 1/2 x 9 in; 34 lb ..... \$525/pr

### G-11 II 2-Way Speaker

8-in polycone woofer, 1-in ferrofluid-cooled dome tweeter. 12-dB/oct crossover. Power handling 100 W cont; FR 44-22,500 Hz; sens 90 dB; imp 6 ohms; crossover point 1,500 Hz. 12 x 19 1/2 x 8 1/2 in; 20 lb ..... \$400/pr

### G-7 II 2-Way Speaker

6 1/2-in polycone woofer, 3/4-in ferrofluid-cooled metal-dome tweeter. 12-dB/oct crossover. Power handling 60 W cont; sens 90 dB; imp 6 ohms; crossover point 2,500 Hz. 12 x 16 x 6 in; 15 lb ..... \$300/pr

### K-5 II 2-Way Speaker

5 1/4-in woofer, 3/4-in dome tweeter. 12-dB/oct crossover. Power handling 75 W; sens 88 dB/m; crossover point 4,200 Hz. 8 x 11 x 6 in ..... \$249/pr

## CAMBRIDGE SOUNDWORKS

*The following products are designed by Henry Kloss and are available only through mail order.*

### Model Eleven Powered Speaker System

Transportable, 3-way powered component system featuring woofer, 2 satellites, and 3-channel 36-W integrated amplifier. Carrying case acts as subwoofer cabinet when empty and closed. 12-volt car/lighter adaptor included. Optional rechargeable 3- and 6-hr batteries ..... \$749

**Model Eleven Stationary.** As above, stationary version ..... \$649  
3-hr rechargeable batteries ..... \$69  
6-hr rechargeable batteries ..... \$99

### Ensemble Subwoofer/Satellite System

2 bass modules and 2 satellites. Each satellite features 3 1/2-in ferrofluid-cooled cone midrange (170 Hz to 2,300 Hz), and 1 3/4-in direct radiator with an inte-

gral 3/8-in ferrofluid-cooled dome tweeter (2,300 Hz to 20,000 Hz). Each bass module features 8-in woofer, high-density-particleboard cabinet with internal bracing, metal grilles and black laminate finish. Nom Imp 6 ohms; power handling 200 W. Black laminate cabinets. Subwoofer: 12 x 21 x 4 1/2 in. Satellite: 8 3/8 x 5 1/4 x 4 in ..... \$599  
With vinyl-clad cabinets ..... \$499  
**Ensemble II.** As above, 1 subwoofer ..... \$399

### The Powered Subwoofer System

Acoustic-suspension design with 12-in woofer, 140-W amp, and adjustable active crossover. Features bass-level control, 4-position crossover frequency selector. Power handling 140 W max; 18-dB/oct crossover slope. 15 1/2 x 26 1/2 x 9 1/2 in ..... \$599  
**Slave Subwoofer.** As above, no amp controls. When used with above, power handling is 200 W max ..... \$299

### The Surround Speaker System

4-in woofer with two 3-in midrange/tweeters mounted in dipole fashion. Power handling 100 W cont avg; FR 125-10,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Gray finish or primed for painting ..... \$399/pr

**The Surround II Speaker System.** As above, power handling 60 W. 4 3/4 x 6 3/4 x 4 1/2 in ..... \$249/pr

### Ambiance 2-Way Speaker

Acoustic-suspension design with 6 1/2-in woofer and 1-in ferrofluid-cooled tweeter. Crossover point 1,800 Hz; sens 83 dB SPL/W/m; nom imp 8 ohms. Available in Nextel, solid oak, or primed for painting ..... \$175  
Solid oak finish ..... \$200

### Center Channel 2-Way Speaker

Acoustic-suspension design with 5 1/4-in woofer and integral dome tweeter. Power handling 60 W cont avg; FR 125-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 6 1/2 x 10 1/2 x 3 3/4 in ..... \$125  
**Center Channel Plus.** As above, power handling 100 W cont avg. 25 x 6 1/2 x 6 in ..... \$199

### Model Ten 2-Way Speaker

3-in midbass/midrange, 3/4-in copolymer-dome tweeter, compact satellite design. 10-element crossover network. Imp 4 ohms. 4 1/2 x 6 1/2 x 3 in ..... \$75

## CANTON

*The following carry a 5-year parts-and-labor limited warranty and a 2-year electronics warranty for powered models.*

### Floor-Standing Speakers

#### Ergo 120 4-Way Speaker

Bass-reflex design with two 10-in graphite-reinforced polypropylene woofers, 6 1/2-in midbass, 2-in midrange, and 1-in aluminum/manganese-dome tweeter. Power handling 200 W nom; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 300, 3,500, and 7,000 Hz. Gloss mahogany, gloss black or white, and custom finishes. 12 3/8 x 5 1/4 x 16 7/8 in; 110 lb ..... \$7,000/pr  
Oak, walnut, mahogany, black, or white ..... \$5,000/pr

#### Ergo 100 3-Way Speaker

Bass-reflex design with two 9-in graphite-reinforced polypropylene woofers, 6 1/2-in midbass, and 1-in aluminum/manganese-dome tweeter. Power handling 180 W nom; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 300 and 3,500 Hz. Gloss mahogany, gloss black or white, and custom finishes. 11 x 45 3/8 x 13 3/4 in; 79 lb ..... \$5,000/pr  
Oak, walnut, mahogany, black, or white ..... \$3,500/pr  
**Ergo 90.** As above, two 8-inch woofers. Power handling 150 W nom; FR 20-30,000 Hz; sens 88 dB SPL/W/m. Gloss mahogany, gloss black or white, and custom finishes. 10 x 41 3/8 x 12 1/8 in; 50 lb \$4,000/pr  
Oak, walnut, mahogany, black, or white ..... \$2,500/pr  
**Ergo 80.** As above, one 8-in woofer without graphite/polypropylene material and 8-in midrange. Power handling 120 W nom; FR 22-30,000 Hz. Gloss mahogany, gloss black or white, and custom finishes.

9 1/2 x 37 1/2 x 10 1/2 in; 42 lb ..... \$3,500/pr  
Oak, walnut, mahogany, black, or white ..... \$2,000/pr  
**Ergo 70.** As above, 6-in woofer and 6-in midrange. Power handling 90 W nom; frequency response 28-30,000 Hz; sens 87 dB SPL/W/m. Gloss mahogany, gloss black or white, and custom finishes. 10 x 41 3/8 x 12 1/8 in; 38 lb ..... \$2,500/pr  
Oak, walnut, mahogany, black, or white ..... \$1,500/pr

### Fonum 701 3-Way Speaker

Bass-reflex design with two 8-in woofers, 6-in polypropylene midrange, and 1-in aluminum/manganese-dome tweeter. Power handling 140 W nom; FR 20-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 300 and 3,500 Hz. Black textured vinyl finish. 9 3/4 x 39 1/2 x 12 1/4 in; 49 lb ..... \$1,495/pr

### Fonum 601 3-Way Speaker

Bass-reflex design with 8-in woofer, 8-in fabric-dome midrange, and 1-in fabric-dome tweeter. Power handling 100 W nom; FR 25-26,000 Hz; imp 4 ohms; crossover points 300 and 3,000 Hz. Black textured vinyl. 9 1/2 x 35 1/2 x 10 3/8 in ..... \$995/pr

### Fonum 501 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in fabric-dome tweeter. Power handling 80 W nom; FR 30-26,000 Hz; imp 4 ohms; crossover point 3,200 Hz. Black textured vinyl. 9 1/2 x 31 1/2 x 10 3/8 in ..... \$795/pr

### Bookshelf Speakers

*The Karat Series features veneers and special finishes, such as piano lacquer.*

#### Karat 980 3-Way Speaker

Bass-reflex design with 12-in woofer, 5-in midrange, and 1-in aluminum manganese-dome tweeter. Power handling 140 W nom; FR 20-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 400 and 4,000 Hz. Oak, walnut, mahogany, black, or white finishes. 14 1/4 x 26 x 12 5/8 in; 46 lb ..... \$2,000/pr

**Karat 960.** As above, 10-in woofer. Power handling 120 W nom; FR 24-30,000 Hz; sens 88 dB SPL/W/m; crossover points 450 and 3,500 Hz. 12 1/4 x 22 7/8 x 12 1/4 in; 35 lb ..... \$1,500/pr

**Karat 940.** As above, 9-in woofer. Power handling 100 W nom; FR 26-30,000 Hz. 10 5/8 x 20 1/8 x 10 5/8 in; 29 lb ..... \$1,250/pr

**FG-200 Speaker Stands.** Wooden angled stands for Karat 980. Black or white ..... \$250/pr

#### Karat 930 2-Way Speaker

Bass-reflex design with 9-in woofer and 1-in aluminum/manganese-dome tweeter. Power handling 80 W nom; FR 30-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,800 Hz. Oak, walnut, mahogany, black, or white finish. 10 1/4 x 17 x 10 1/4 in; 22 lb ..... \$1,000/pr

**Karat 920.** As above, 8-in woofer. Power handling 60 W cont avg; FR 36-30,000 Hz. 8 3/4 x 13 1/2 x 10 1/4 in; 12 lb ..... \$750/pr

**LF-70 Speaker Stands.** Wooden pedestals for Karat 920 or 930. Black or white ..... \$250/pr

#### Fonum 401 2-Way Speaker

Bass-reflex design with 9-in woofer, 1-in fabric-dome midrange, and 3/4-in fabric-dome tweeter. Power handling 70 W nom; FR 35-26,000 Hz; imp 4 ohms; crossover point 3,000 Hz. Black textured vinyl finish. 10 1/2 x 16 1/2 x 9 7/8 in ..... \$595/pr

**Fonum 301.** As above, 8-in woofer. Power handling 60 W; FR 38-26,000 Hz. 9 3/8 x 14 1/4 x 8 3/4 in ..... \$495/pr  
**Fonum 251.** As above, 6-in woofer. Power handling 50 W nom; FR 42-26,000 Hz; crossover point 3,200 Hz. 7 3/4 x 11 7/8 x 8 in ..... \$395/pr

### Subwoofers

#### Plus Beta Powered Subwoofer

Bass module with 12-in woofer and 3 channel amps with 2 channels for satellites. Features signal-correction circuitry; thermal overload and short-circuit protection. Terminals and switching for 4 satellites. Bass-level control; adjustable crossover and input sens; auto on/off. 100 W x 1 + 80 x 2 cont avg. FR 20-

# The \$199\* TITAN. Music... for a Song!



YOU ONLY GET WHAT YOU PAY FOR. Right? Well, not always. PARADIGM, the leader in speaker performance/value, has done the impossible - made a speaker system that is an absolute audiophile delight for an incredible \$199/pair... *the TITAN!*

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# Paradigm

# S P E A K E R S

30,000 Hz; THD 0.1%; crossover points 70, 90, or 140 Hz with 12/24-dB/oct slope. Walnut, black, or white finish. 13 1/2 x 15 1/4 x 15 in; 43 lb ..... \$2,000

## Plus Alpha 1 Powered Subwoofer

12-in driver and 100-W amp. Features signal pass-thru for daisy chaining other subwoofers. Adjustable 60-120 Hz crossover; bass-level control; auto-on. Walnut, black, or white finish. 13 1/2 x 15 1/4 x 15 1/4 in; 42 lb ..... \$1,000

## Plus E Subwoofer

Bass-reflex design with 12-in driver. Power handling 100 W nom; FR 18-120 Hz; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 120 Hz with 12-dB/oct slope. Gloss mahogany, gloss black, white, or custom finish. 14 1/4 x 22 x 14 1/4 in; 43 lb ..... \$1,500  
Oak, walnut, mahogany, black, or white ..... \$1,000

## Plus C Subwoofer

12-in driver. Power handling 70 W nom; FR 22-120 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 120 Hz. Walnut, black, or white finish. 13 1/2 x 14 1/4 x 13 7/8 in; 26 lb ..... \$600

## Subwoofer/Satellite Systems

### Super Set Subwoofer/Satellite System

Includes 1 Plus E subwoofer and 2 Karat 920's. Oak, walnut, mahogany, black, or white finish ..... \$1,495

### Combi-Sub Subwoofer/Satellite System

Bass module with two 8-in woofers and two satellites, each with one 4 1/2-in midrange and one 1-in aluminum/manganese tweeter. Power handling 80 W nom for both subwoofer and satellites; FR 20-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 120 and 2,200 Hz with 12-dB/oct slope. Black or white finish. Subwoofer: 19 3/4 x 9 x 15 3/4 in; 34 lb. Satellites: 4 3/4 x 8 x 4 3/8 in; 5 lb ..... \$995

### Plus Set Subwoofer/Satellite System

Includes 1 Plus C subwoofer and 2 Plus S mini-speakers. Walnut finish ..... \$995  
Black or white finish ..... \$895

## In-Wall Speakers

### In-Wall D 2-Way Speaker

Plus D mini speaker in metal frame. Flush-mount design for 2 x 8-in joist ceiling mounting. White finish. 8 x 12 3/4 x 7 in ..... \$650/pr

### In-Wall P 2-Way Speaker

Patio 160 mini speaker in metal frame. Flush-mount design for 2 x 6-in stud wall or joist ceiling mounting. White finish. 8 x 12 3/4 x 4 1/2 in ..... \$600/pr

### In-Wall 9 2-Way Speaker

Coaxial design with 9-in woofer and 1-in aluminum/manganese-dome tweeter. Power handling 70 W nom; FR 34-22,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. White grille. 10 3/8 x 3 3/8 in; mounting depth 3 7/8 in. 4.8 lb ..... \$600/pr  
Brass or chrome grille ..... \$650/pr

**MudRing 9/24.** Construction bracket for In-Wall 9 on 24-in centers ..... \$70/pr

**MudRing 9/16.** As above, for 16-in centers ..... \$60/pr

### In-Wall F 2-Way Speaker

Plus F mini-speaker in metal frame. Flush-mount design for 2 x 4-in stud wall mounting. White finish. 8 x 12 3/4 x 2 5/8 in ..... \$500/pr

**Mudring FDP/24.** Construction bracket for In-Wall F, D, and P on 24-in centers ..... \$60/pr

**Mudring FDP/16.** As above, for 16-in centers \$50/pr

### In-Wall 6 2-Way Speaker

Coaxial design with 6-in woofer and 5/8-in aluminum/manganese-dome tweeter. Power handling 40 W nom; FR 45-22,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. White grille. 8 x 8 in; mounting depth 3 7/8 in. 3.4 lb ..... \$450/pr  
Brass or chrome grille ..... \$500/pr

**MudRing 6/24.** Construction bracket for In-Wall 6 on

24-in centers ..... \$60/pr  
**MudRing 6/16.** As above, for 16-in centers ..... \$50/pr

## Mini Speakers

### Patio 160 2-Way Indoor/Outdoor Mini Speaker

Weather-resistant design with 6 1/2-in woofer and 1-in aluminum-manganese dome tweeter. Power handling 50 W nom; FR 42-30,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms; crossover point 2,900 Hz. Black or white finishes. 7 1/8 x 10 7/8 x 4 3/4 in; 15 lb ..... \$500/pr

### Plus D 2-Way Mini Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in coated-fabric dome tweeter. Power handling 50 W nom; FR 41-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Black or white finish. 7 1/8 x 10 7/8 x 7 1/8 in; 9 lb ..... \$500/pr

### Plus F 2-Way Mini Speaker

Features 4 1/2-in woofer and 1-in coated-fabric dome tweeter. Power handling 45 W nom; FR 48-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Black or white finish. 7 1/8 x 10 7/8 x 2 7/8 in; 5 lb ..... \$400/pr

### Plus S 2-Way Mini Speaker

Features 4 1/2-in woofer and 1-in coated-fabric dome tweeter. Power handling 40 W nom; FR 45-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,200 Hz. Black or white finish. 4 3/4 x 8 x 4 3/8 in; 5 lb ..... \$350/pr  
Walnut finish ..... \$500/pr

**Cantamount HD.** Heavy-duty swivel-ball mounting bracket for wall or ceiling mount. For Patio 160, Plus D, F, and S minis. Metal, black or white ..... \$100/pr  
**Cantamount II.** As above, without heavy duty design ..... \$50/pr

### HC 100 2-Way Mini Speaker

4 3/8-in cone woofer, 1-in dome tweeter. Power handling 35 W nom; FR 48-30,000 Hz; sens 87.2 dB SPL/W/m; imp 4 ohms. Black or white finish. 4 3/4 x 7 1/2 x 5 3/4 in; 4 lb ..... \$295/pr

## CARRERA

### CSP-230 Subwoofer/Satellite System

Subwoofer with 8-in driver, and 2 magnetically-shielded satellites, each with 3 1/2-in woofer and 2-in tweeter. Satellite: power handling 75 W; FR 140-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 4 3/8 x 8 1/4 x 4 1/2 in; 2 5/8 lb. Subwoofer: power handling 125 W; FR 28-150 Hz. 5 3/8 x 12 3/4 x 10 1/8 in; 15.2 lb ..... \$400

## CARVER

### The Amazing Loudspeaker, Platinum Edition

1 1/2-in-thick planar design with 60-in full-range ribbon panel and four 12-in woofers. Power handling 750 W; frequency response 23-40,000 Hz  $\pm$  3 dB; sens 89 dB; max SPL 121 dBA. Black piano finish. 33 x 66 x 10 in; 110 lb ..... \$2,900/pr  
Oiled oak-veneer finish ..... \$2,500/pr

### The Amazing Loudspeaker, Silver Edition

1 1/2-in-thick planar design with 48-in full-range ribbon panel and three 12-in woofers. Power handling 600 W; frequency response 23-40,000 Hz  $\pm$  3 dB; sens 89 dB; max SPL 119 dBA. Black piano finish. 28 x 54 x 10 in; 75 lb ..... \$2,400/pr  
Oiled oak-veneer finish ..... \$2,000/pr

### AL-III 2-Way Speaker

48-in full-range ribbon panel and 10-in woofer. Features separate low-frequency, midrange, and high-frequency controls. Power handling 400 W; FR 34-20,000 Hz  $\pm$  3 dB; crossover point 200 Hz. Hand-matched solid-oak panels. 14 1/2 x 72 1/2 x 16 1/2 in ..... \$1,500/pr

### TS-S20 Satellite Speaker

Designed for rear channels in surround systems. Angular high-density wood cabinets ..... \$195/pr

## Subwoofer/Satellite Systems

### TS-P80 Subwoofer/Satellite System

2 satellites and 1 subwoofer/center-channel module. Subwoofer/center-channel module functions as riser for projection tv's up to 50 in. Features cast-aluminum satellite enclosures with integrated cast-aluminum speaker baskets. Power handling 375 W; FR 32-20,000 Hz; sens 90 dB ..... \$1,000  
**TS-D60.** As above, subwoofer/center-channel module with swivel base for 32-in tv's ..... \$1,000

### TS-S30 Subwoofer/Satellite System

2 satellites and subwoofer. Features cast-aluminum satellite enclosures with integrated cast-aluminum speaker baskets. Power handling 225 W; FR 46-20,000 Hz; sens 89 dB. Black satellites with oak subwoofer ..... \$800  
Black satellites and subwoofer ..... \$650

## CASTLE

### Winchester 2-Way Speaker

Folded-horn design with two 6-in woofers and 1-in dome tweeter. Power handling 30 W min; FR 35-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Wood-veneer finish. 10 x 43 x 17; 80 lb ..... \$2,800/pr

### York 2-Way Speaker

Twin-port bass-reflex design with 6-in woofer and 1-in soft-dome tweeter. Power handling 300 W max. FR 50-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Wood-veneer finish. 17 x 9 x 10 in; 16 lb ..... \$799/pr

### Durham 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 1-in dome tweeter. Power handling 15 W min; FR 60-22,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Wood-veneer finish with black-foam grille. 9 x 16 x 9 in; 16.5 lb ..... \$550/pr

### Warwick 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 1-in dome tweeter. Power handling 10 W min; FR 55-22,000 Hz; sens 89 dB SPL/W/m; imp 8/6 ohms; crossover point 3,000 Hz. Wood-veneer finish with black-foam grille. 10 x 18 x 10 in; 17 lb ..... \$450/pr

### Trent 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1-in dome tweeter. Power handling 10 W min; FR 70-22,000 Hz; sens 89 dB SPL/W/m; imp 8/6 ohms; crossover point 3,000 Hz. Wood-veneer finish with black-foam grille. 7 x 13 x 8 in; 8.5 lb ..... \$350/pr

## CDE

### Colossus 4-Way Speaker

Infinite-baffle ported design two 8-in and six 10-in woofers, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 15-32,000 Hz; sens 91 dB SPL/W/m; power handling 50 W cont avg. Black-lacquer finish and black-knit grille ..... \$55,000

### Reference 3-Way Speaker

Infinite-baffle ported design with two 10-in woofers, two 6 1/2-in cone midranges, and 1-in dome tweeter. FR 20-32,000 Hz; sens 90 dB SPL/W/m; power handling 50 W cont avg. Black-lacquer finish and black-knit grille ..... \$35,000

### Mini Tower 3-Way Speaker

Infinite-baffle ported design with 8-in woofer, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 22-32,000 Hz; sens 91 dB SPL/W/m; power handling 40 W cont avg. Black-lacquer finish and knit grille ..... \$5,200

### Tower 1 3-Way Speaker

Passive radiator with 8-in woofer, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 40-20,000 Hz; sens 91 dB SPL/W/m; power handling 20 W cont avg. Black-lacquer finish and black knit grille. 8 x 37 x 12 in ..... \$2,700/pr

# ALL CLEAR.



A rose is just a rose. And a speaker is just a speaker. Right? Get a grip.

These are Martin Logan Speakers. Unlike any others. Gone are the components of a traditional speaker. It looks like we put nothing behind the grill. That's our electrostatic driver, incorporating an incredibly advanced Vapor Deposited Membrane that you can see right through. With less mass than the air it's moving. Capable of cleanly reproducing the exquisite texture of a Stradavariuos violin, yet able to unleash the awesome power of a Fender® bass.

*New Aeries*  
\$1,995.00 pr.

Martin Logan invented Curvilinear Electrostatic Technology. And we packed it all into a line of very remarkable loudspeaker designs. From the new Aeries starting at \$1,995 a pair to the \$60,000 Statement System.

*All this is something you'll have a difficult time seeing. But you will hear it. Clearly.*

**MARTIN·LOGAN, LTD.**  
THE ELECTROSTATIC TECHNOLOGY

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# S P E A K E R S

## Mini Monitor V 2-Way Speaker

Infinite-baffle design with 6½-in woofer and 1-in dome tweeter. FR 60-32,000 Hz; sens 88 dB SPL/W/m; power handling 20 W cont avg. Teak-lacquer finish; black knit grille. 6 x 15 x 9 in ..... \$950/pr

## Mini Monitor IV 2-Way Speaker

Infinite-baffle design with 6½-in woofer and 1-in dome tweeter. FR 60-20,000 Hz; sens 90 dB SPL/W/m; power handling 20 W. Teak-lacquer finish; black knit grille. 7 x 11 x 9 in ..... \$650/pr

## CELESTION

### Celestion 700 SE 2-Way Speaker

Aerolam sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in aluminum-dome tweeter. Aluminum honeycomb construction; figure-8 bracing; biwireable crossover. Includes integral stand; loading materials. Gray Nextel finish ..... \$3,399/pr

### Celestion System 6000 Subwoofer

Double-dipole low-frequency array with two 12-in woofers in each enclosure. Active crossover. Variable gain and frequency controls. Gray Nextel finish ..... \$3,100

### Celestion 600 Si 2-Way Speaker

Aerolam sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in copper-dome tweeter. Aluminum honeycomb construction; biwireable crossover. Optional stands. Gray Nextel finish ..... \$2,099/pr  
**DLP-600 Digital Processor.** Designed for above. Reduces amplitude and phase-response errors. Includes fiber-optic and RCA cables ..... \$799

### Celestion 300 2-Way Speaker

CTL bass-loading design with 6½-in Cobex cast-frame woofer and 1¼-in aluminum-dome tweeter. Dual figure-8 brace; balanced veneers; biwireable crossover. Adjustable spikes. Mahogany finish ..... \$1,999/pr  
 Walnut or black-oak finish ..... \$1,799/pr

### Celestion 100 2-Way Speaker

Sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in aluminum dome-tweeter. Dual figure-8 brace; balanced veneers; biwireable crossover. Stands are optional. Available with mahogany finish ..... \$1,299/pr  
 Walnut or black-oak finish ..... \$1,199/pr

### Celestion 15 2-Way Speaker

Bass-loading design with 6-in felted-fiber woofer and 1-in titanium-dome tweeter. Figure-8 brace. Adjustable spikes. Black-ash or oak finish ..... \$799/pr

### Celestion 11 3-Way Speaker

Bass-reflex design with 8-in felted-fiber woofer, 4-in midrange, and 1-in titanium-dome tweeter. Black-ash or oak finish ..... \$699/pr

### Celestion 9 3-Way Bookshelf Speaker

Bass-reflex design with 6-in felted-fiber woofer, 4-in midrange, and 1-in titanium-dome tweeter. Black-ash or oak finish ..... \$599/pr

### Celestion 7 2-Way Bookshelf Speaker

Sealed enclosure with 8-in Polyolefin woofer and 1-in titanium-dome tweeter. Available with black-ash or oak finish ..... \$549/pr

### Celestion 5 2-Way Bookshelf Speaker

Sealed enclosure with 6-in felted-fiber woofer and 1-in titanium tweeter. Black-ash or oak finish ..... \$399/pr

**Celestion 3.** As above. 5-in woofer ..... \$289/pr

### Celestion CS-135 Subwoofer

Dual-cavity vented design with 8-in woofer. Designed for Models 1, 3, and 5. Black-ash finish ..... \$259

### Celestion 1 2-Way Bookshelf Speaker

Bass-reflex design with 4-in felted fiber woofer and 1-in titanium tweeter. Available with black-ash or oak finish ..... \$199/pr

## CELLO

### Stradivarius Series

#### Strad Grand Master 3-Way Speaker

Two 12-in woofers, eight 1½-in dome midranges, and eight ¾-in dome tweeters. Min power 200 W; crossover points 400 and 5,000 Hz. 17 x 87 x 18 in; 565 lb ..... \$45,000/pr

#### Strad Master 3-Way Speaker

12-in woofer, four 1½-in dome midranges, and four ¾-in dome tweeters. Min power 50 W; crossover points 400 and 5,000 Hz; imp 4 ohms; sens 90 dB SPL/W/m. 17 x 62 x 18 in; 340 lb ..... \$25,000/pr

#### Premiere 3-Way Speaker

12-in woofer, 1½-in dome midrange, and ¾-in dome tweeter. Min power 50 W; crossover points 400 and 8,000 Hz; imp 6 ohms; sens 90 dB SPL/W/m. 17 x 45 x 18; 250 lb ..... \$12,000/pr

#### Amati 3-Way Speaker

Acoustic-suspension design with one 12-in woofer, four 1½-in dome midranges, and four ¾-in dome tweeters. Triwire/triamp terminals. Wall, shelf, or stand mount. Sens 90 dB SPL/W/m. Oak finish. 19 x 27 x 10 in ..... \$10,000/pr

## CERWIN-VEGA

The following feature a 5-yr limited warranty.

### Q-1 2-Way Speaker

Proprietary vented enclosure with 10-in woofer and polyfoam tweeter. Bass boost. Power handling 400 W; FR 30-20,000 Hz ± 3 dB; sens 100 dB W/m; imp 4 ohms. Walnut veneer with black grille ..... \$1,498

### AT-15 3-Way Speaker

Bass-reflex design with 15-in woofer, two 5-in midranges, and dome tweeter. Power handling 400 W; sens 102 dB SPL/W/m; imp 4 ohms. Black or wood-grain vinyl finish. 19 x 36½ x 18½ in; 85 lb \$1,080/pr  
**AT-12.** As above, 12-in woofer and one 5-in midrange. Power handling 200 W; sens 97 dB W/m; imp 6 ohms. 16 x 30 x 14 in; 55 lb ..... \$690/pr  
**AT-10.** As AT-12, 10-in woofer; internal self-resetting circuit breaker. Power handling 150 W; sens 95 dB; imp 6 ohms. 14 x 28½ x 13½ in; 40 lb ..... \$620/pr  
**AT-8.** 2-way version of above with 8-in woofer and dome tweeter. Power handling 100 W; sens 94 dB; imp 6 ohms. 12 x 21 x 10 in; 26 lb ..... \$410/pr

### W-8 2-Way In-Wall Speaker

8-in woofer and 1-in ferrofluid-cooled dome tweeter. Features self-resetting tweeter protection; ½-in-thick baffle. Power handling 125 W; FR 40-20,000 Hz ± 3 dB; sens 92 dB W/m; crossover point 3,500 Hz. Matte-white finish with metal grille ..... \$505/pr

### W-7 2-Way In-Wall Speaker

7-in woofer with rubber surround and 1-in polycarbonate-dome tweeter. Features self-resetting tweeter; ½-in-thick baffle. Power handling 80 W; FR 40-20,000 Hz ± 3 dB; sens 92 dB W/m; crossover point 4,000 Hz. Matte-white finish with metal grille. 9¾ x 12¾ x 3¼ in ..... \$435/pr

### SW-12B Subwoofer

Vented design with 12-in down-firing driver. Features die-cast aluminum woofer frame; 7-lb magnet. Power handling 125 W; sens 92 dB W/m. Wood-grain vinyl finish. 13½ x 25½ x 16¼ in; 48 lb ..... \$320

### L-9 2-Way Speaker

10-in woofer with foam surround and 1-in dome tweeter. Features self-resetting tweeter. Power handling 100 W rms; FR 40-20,000 Hz ± 3 dB; sens 93 dB W/m; imp 8 ohms. Rosewood-vinyl finish with removable grille. 13 x 22 x 11½ in ..... \$220

### L-7 2-Way Speaker

7-in paper-cone woofer with butyl-rubber surround and 1-in polymer-dome tweeter. Power handling 75

W rms; FR 40-20,000 Hz ± 3 dB; sens 92 dB W/m; imp 8 ohms. Rosewood-vinyl finish with grille. 9 x 14 x 8¾ in ..... \$170

### Home Theater Series

The following feature vented enclosures, magnetically shielded drivers, and an ebony wood-grain finish.

### Sensurround Home Theater System

7-piece magnetically-shielded system with two 10-in subwoofer modules, 4 satellites, and center-channel speaker ..... \$1,660

### HT-210C Subwoofer/Center-Channel System

Video-pedestal design with two 10-in subwoofers, 6½-in midrange, and 1-in polycarbonate-dome tweeter. Defeatable passive crossover. Subwoofer: power handling 150 W; FR 38-100 Hz ± 3 dB; sens 94 dB; imp 8 ohms. Center channel: power handling 80 W; FR 80-20,000 Hz ± 3 dB. 33 x 19 x 20 in ..... \$650

### HT-S6 2-Way Speaker

Vented design with 6½-in midrange and 1-in polycarbonate-dome tweeter. Satellite speakers with shielded enclosure. Power handling 80 W; FR 80-20,000 Hz ± 3 dB; sens 92 dB W/m; imp 8 ohms. 8½ x 11¾ x 11 in ..... \$380/pr

### HT-CTR 3-Way Center Channel Speaker

Two 6½-in midranges and 1-in polycarbonate-dome tweeter. Features midrange configuration for 120° dispersion. Power handling 100 W; FR 80-20,000 Hz ± 3 dB; sens 94 dB W/m; imp 8 ohms. 16½ x 8¼ x 11¾ in ..... \$320

### HT-110 Subwoofer

Bass module with 10-in driver. Features die-cast aluminum woofer frame; defeatable passive crossover. Power handling 250 W; FR 38-125 Hz; sens 94 dB W/m; imp 8 ohms. 13 x 17½ x 24½ in ..... \$290

## DX Series

### DX-9 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 400 W; frequency response 30-20,000 Hz ± 3 dB; sens 101 dB W/m; imp 4 ohms; crossover points 250 and 5,000 Hz. Scuff-resistant wood-grain vinyl. 18 x 36 x 18 in; 85 lb ..... \$555

### DX-7 3-Way Speaker

Bass-reflex design with 12-in woofer, 6½-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 255 W; frequency response 34-20,000 Hz ± 3 dB; sens 98 dB W/m; imp 4 ohms; crossover points 250 and 5,000 Hz. Scuff-resistant wood-grain vinyl. 15 x 34 x 15 in; 64 lb ..... \$410

### DX-5 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 175 W; FR 36-18,000 Hz ± 3 dB; sens 96 dB W/m; imp 8 ohms; crossover points 500 and 4,000 Hz. Scuff-resistant wood-grain vinyl. 15 x 31 x 10¾ in; 44 lb ..... \$345

### DX-3 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 125 W; FR 37-18,000 Hz ± 3 dB; sens 94 dB W/m; imp 8 ohms; crossover points 350 and 5,000 Hz. Scuff-resistant wood-grain vinyl. 13 x 28 x 11 in; 34 lb ..... \$320

### DX-1 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 100 W; FR 40-18,000 Hz ± 3 dB; sens 92 dB W/m; imp 8 ohms; crossover point 2,500 Hz. Scuff-resistant wood-grain vinyl. 11 x 20 x 11 in; 25 lb ..... \$205



# Our Speakers Are So Sensitive, You Can Hear The Subtleties Of People Who Communicate With Their Hands.



Music, quite simply, is a mood-altering substance. With that in mind, we've built our DX loudspeakers on the belief that the more you hear, the more you'll feel.

Consequently, our DX midrange is designed to achieve such natural presence and clarity, you'll feel every stretch and strum in a guitar solo.

Perhaps it's because of our midrange voice coil, in which we've used an aluminum "former" to dissipate heat. Or the free-edge surround that ingeniously dampens cone movement. Then again, maybe it's our distortion-free crossover network. The combined result is a loudspeaker with the highest power handling and widest

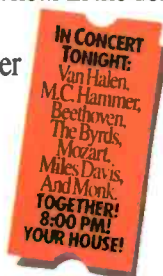
dynamic range of anything you might hear in the demo room. Of course, the DX also has something else you won't hear in other loudspeakers.

Cerwin-Vega bass.

Which for over 35 years has been the ultimate mover and shaker in audio.

In fact, the DX-9 takes bass response all the way down to an earth-shaking 25Hz.

All of which is encouragement to drop by a Cerwin-Vega dealer and listen closely to our DX loudspeakers. And see how a totally instrumental piece of music can actually speak to you.



*A DX loudspeaker can make a room the size of, say, an outhouse, sound very much like an opera house.*



 **Cerwin-Vega!**



*If you love heavy metal, you should be listening to lightweight aluminum.*

# S P E A K E R S

## VS Series

The following feature 5-way binding posts, self-resetting tweeter protection, and a walnut vinyl finish.

### VS-150 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in soft-dome tweeter. Fuse protection. Power handling 400 W; FR 28-22,000 Hz ± 3 dB; sens 102 dB W/m; imp 4 ohms; crossover points 300 and 5,000 Hz. 18 x 35½ x 18¾ in; 90 lb. . . . \$540

### VS-120 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in midrange, and 1-in dome tweeter. Fuse protection. Power handling 200 W; FR 28-22,000 Hz ± 3 dB; sens 97 dB W/m; imp 4 ohms; crossover points 500 and 4,000 Hz. 16½ x 32 x 14¾ in; 57 lb. . . . \$345

### VS-100 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 1-in balanced-drive dome tweeter. Power handling 125 W; FR 37-20,000 Hz ± 3 dB; sens 94 dB W/m; imp 6 ohms; crossover points 600 and 5,000 Hz. 12¾ x 27½ x 11¾ in; 40 lb. . . . \$310

### VS-80 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Power handling 100 W; FR 38-20,000 Hz ± 3 dB; sens 94 dB W/m; imp 6 ohms; crossover point 4,000 Hz. 11 x 10 x 11¾ in; 26 lb. . . . \$205

## CHAPMAN

### T7 3-Way Speaker

Modified dual-port transmission-line design with 10-in poly laminate fiber-cone woofer, 7-in fiber-composite midrange, and 1-in titanium-dome tweeter. Power handling 250 W max; FR 28-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover 150 Hz and 3,000 Hz. Oak finish. 13 x 44 x 10 in; 88 lb \$1,850/pr

## CHARIO

### Academy 2-Way Speaker

Bass-reflex design with 6¾-in neoflex-cone woofer and 1-in soft-dome tweeter. Features 24-dB/oct crossover. Power handling 100 W rms; FR 50-20,000 Hz ± 2 dB; sens 83 SPL/W/m; imp 8 ohms; crossover point 1,500 Hz. 10½ x 16½ x 12½ in; 25 lb. Solid walnut finish. . . . \$3,300/pr

**Academy 1.** As above. Crossover point 1,850 Hz; sens 81.5 dB SPL/W/m. 8½ x 15 x 12½ in; 18 lb. . . . \$2,300/pr

## CLEMENTS

The following feature a 10-year warranty.

### Reference RT-7 2-Way Speaker

Compression-line design with 8-in polypropylene-cone woofer. 7-in direct-inductance planar-ribbon midrange/tweeter. Frequency-tilt control. Power handling 200 W; FR 26-40,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6.5 ohms; crossover point 1,575 Hz. Adjustable splked feet. Rosewood finish. 10½ x 45½ x 19 in. . . . \$5,100  
 Piano lacquer finish . . . \$4,750  
 Zebra-wood finish . . . \$4,750  
 Mahogany finish . . . \$4,750  
 Oak or walnut finish . . . \$3,699

### Model 1000Si 2-Way Speaker

Transmission-line design with 8-in polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Features biampable crossover. Power handling 150 W; FR 30-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black gloss finish. 34 x 11 x 14¼ in. . . . \$1,300/pr  
**Model 800Si.** As above, non-gloss finish. \$1,000/pr

### Little d Wood 2-Way Speaker

Compression-line design with 5¼-in polypropylene-cone woofer and 5-in direct-inductance planar-ribbon midrange/tweeter. 18-dB/oct woofer slope. Power

handling 100 W; FR 42-40,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms; crossover point 2,400 Hz. Oak or black finish. 8 x 17 x 11½ in. . . . \$1,195/pr  
 Black, white, gray, or red finish. 7 x 16 x 10 in \$995/pr

### Model 600Si 2-Way Speaker

Transmission-line design with 6½-in polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Features biamp/biwire crossovers. Power handling 150 W; FR 36-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black finish. 9½ x 32 x 14¼ in. . . . \$850/pr

### Model 400Si 2-Way Speaker

Transmission-line design with 8-in polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Features biampable crossovers. Power handling 100 W; FR 40-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black finish. 11 x 17 x 14¼ in. . . . \$700

**Model 300Si.** As above, power handling 80 W. FR 45-20,000 Hz, sens 90 dB SPL/W/m. 9½ x 14 x 11¼ in. . . . \$550

**Model 200Si.** As above, power handling 80 W. FR 50-20,000 Hz, sens 90 dB SPL/W/m. 9½ x 14 x 11¼ in. . . . \$400

### Model 100Si 2-Way Speaker

Compression-line design with 6-in polypropylene-cone woofer and ½-in hard-dome tweeter. Features biampable crossover. Power handling 80 W; frequency response 50-20,000 Hz ± 3 dB; sensitivity 90 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Dimensions: 9½ x 14 x 11¼. . . . \$299

## CLIF DESIGNS

The following are available in either black or white.

### KP-800 Subwoofer/Satellite System

Bass module with two 10-in dual-voice-coil woofers and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 30-20,000 Hz; sens 88 dB; imp 4 ohms; crossover points 120, 6,000 Hz. Subwoofer: 16½ x 16½ x 16½ in. Satellites: 14 x 14 x 14 in. . . . \$799  
 Subwoofer only . . . \$625

### KP-600 Subwoofer/Satellite System

Bass module with two 5¼-in and one 8-in dual-voice-coil woofers and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 38-20,000 Hz; imp 4 ohms; sens 88 dB; crossover points 120 and 6,000 Hz. Subwoofer: 34 x 12 in at base, 5 in at top . . . \$699  
 Subwoofer only . . . \$525

### KP-500 Subwoofer/Satellite System

Bass module with two 5¼-in and 6½-in dual-voice-coil woofers and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 30-20,000 Hz; sens 92 dB; crossover points 120 and 6,000 Hz. Subwoofer: 34 x 9 in at base, 5 in at top . . . \$599  
 Subwoofer only . . . \$430

### KP-700 Subwoofer/Satellite System

Bass module with 10-in dual-voice-coil woofer and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 38-20,000 Hz; imp 4 ohms; sens 88 dB; crossover points 120 and 6,000 Hz. Subwoofer: 14¼ x 14¼ x 14¼ in at base. 12 x 12 x 12 in at top . . . \$499  
 Subwoofer only . . . \$325

### K-250 2-Way Speaker

Shelf, bracket, or stand design with 4-in midrange and 1-in ferrofluid-cooled polycarbon tweeter. Power handling 80 W; FR 80-20,000 Hz ± 3 dB; sens 92 dB; imp 6 ohms. 4¾ x 7 x 5 in; 3 lb. . . . \$299

### K-200 2-Way Speaker

4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. Sens 92 dB; crossover points 120 and 6,000 Hz. 4¾ x 7 x 5 in. . . . \$199

## COMMUNITY

### CSV Series

The following feature a crossover with overload protection, a fiberboard enclosure, an oak-veneer finish, and a 5-year warranty. Steel mounting brackets are optional.

### CSV52 3-Way Speaker

Bass-reflex design with 15-in ferrofluid-cooled woofer, 6½-in ferrofluid-cooled midrange, and horn tweeter. Power handling 200 W cont avg; FR 40-20,000 Hz; sens 98 dB SPL/W/m; imp 4 ohms; crossover points 500 and 5,000 Hz. 18 x 33½ x 18 in; 88 lb. . . . \$837

### CSV35 2-Way Speaker

Bass-reflex design with 15-in ferrofluid-cooled woofer and horn tweeter. Power handling 150 W cont avg; FR 60-18,000 Hz; sens 99.5 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 17½ x 23¾ x 13½ in; 48 lb. . . . \$489

### CSV25 2-Way Speaker

Bass-reflex design with 12-in woofer and horn tweeter. Power handling 100 W cont avg; FR 70-18,000 Hz; sens 97.5 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 15 x 18¼ x 13½ in; 38 lb. . . . \$420

### CSV8T 2-Way Speaker

Bass-reflex design with 8-in woofer and horn tweeter. 70-1-V coupling transformer. Power handling 100 W rms; FR 60-18,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 13½ x 13½ x 8½ in; 23 lb. . . . \$262  
**CSV8.** As above, without transformer . . . \$219

## COMPONENTS SPECIALTIES

### SP-150T 2-Way Outdoor Speaker

Sealed enclosure with 5¼-in polycarbon woofer and 2-in tweeter. Features weatherproofing; die-cast aluminum housing; 70-V transformer. Power handling 50 W rms; FR 60-18,000 Hz; imp 8 ohms. Mounting brackets included. 6¼ x 9 x 6½ in. . . . \$180

### SP-502T 2-Way Outdoor In-Wall Speaker

5¼-in polypropylene woofer and ¾-in Mylar-cone tweeter. 10-oz strontium woofer magnet; 1-in woofer voice coil; weatherproofing; 70-V transformer. Power handling 20 W rms; FR 50-20,000 Hz; sens 90 dB; imp 8 ohms; crossover point 3,000 Hz. Paintable frame and grille; template included. 3 lb. . . . \$90

## CONTOUR ACOUSTIC DESIGN

The following feature a 5-year limited warranty.

### Model 93041 Subwoofer/Satellite System

Bass module with 6½-in polypropylene woofer and 2 satellites, each with 4½-in midrange and 2½-in tweeter. Features thermal protection; butyl-rubber speaker surrounds. Power handling 100 W; FR 50-18,000 Hz; imp 8 ohms. Black wood finish. Subwoofer: 7½ x 10½ x 5¾ in. Satellite: 15 x 11 x 15¾ in. . . . \$250

### Model 93022 3-Way Speaker

8-in woofer, 4-in midrange, and 3-in tweeter. Features thermal protection; butyl-rubber speaker surrounds. Power handling 100 W max; sens 85 dB SPL/W/m; FR 100-18,000 Hz. Black wood finish. 12½ x 22½ x 10¼ in. . . . \$200/pr

### Model 91031 Full-Range Speaker

4½-in driver with butyl-rubber surround. Power handling 20 W; FR 80-16,000 Hz; imp 8 ohms. Oak-laminated finish. 5¾ x 7½ x 5¼ in. . . . \$70/pr

## COUNTERPOINT

### Metropolitan 3-Way Speaker

Controlled directivity transmission-line design with two 8-in polypropylene woofers, two 6-in Kevlar midranges, and 1-in aluminum tweeter. Monocoque construction. Power handling 500 W rms; FR 25-25,000



## Introducing 20/20 hearing.

THE NEW L-SERIES. JBL'S SIGNATURE SOUND BREAKS OUT OF THE BOX. THE SHAPE'S TALLER, NARROWER. AND SOUND IS PUSHED THROUGH THE HIGHEST PERFORMANCE SYSTEM WE'VE EVER BUILT. LISTEN. AND YOU'LL NEVER LOOK AT SOUND THE SAME AGAIN.

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# S P E A K E R S

Hz  $\pm$  3 dB; sens 91 dB; Imp 4 ohms. Walnut, light-oak, black-oak, or cherry finish. 62½ x 24 x 12 in. .... \$6,000/pr

## Continental 2-Way Speaker

Controlled directivity transmission-line with two 6-in polypropylene woofers and aluminum tweeter. Monocoque construction. Power handling 300 W rms; FR 31-25,000 Hz  $\pm$  3 dB; sens 88 dB; Imp 4 ohms. Walnut, light-oak, black-oak, or cherry finish. 50 x 18 x 10 in. .... \$3,000/pr

## DAHLQUIST

### DQ-30i 3-Way Speaker

Vertical, decoupled phase-array design with 10-in polypropylene woofer, 5-in polypropylene midrange, and ¾-in alloy-dome tweeter with butyl surround. Features vented 2nd-order/quasi-Bessel alignment. FR 29-27,000 Hz; power handling 250 W; sens 91 dB; Imp 4 ohms; crossover points 270 and 3,000 Hz. Rosewood or black trim. 17½ x 47 x 15 in; 95 lb. .... \$2,000/pr

### DQ-28 3-Way Speaker

Vertical, decoupled phase-array design with 8-in polypropylene woofer, 4-in polypropylene midrange, and ¾-in alloy dome tweeter with butyl surround. Features vented 2nd-order/quasi-Bessel alignment. FR 37-27,000 Hz; power handling 200 W; sens 91 dB; Imp 4 ohms; crossover points 470 and 4,000 Hz. Rosewood or black trim. 14½ x 41½ x 12 in; 69 lb. .... \$1,400/pr

### DQ-18 2-Way Speaker

Vertical, decoupled phase-array design with 8-in polycarbon woofer and ¾-in alloy-dome tweeter with butyl surround. Features 2nd-order/quasi-Bessel alignment. FR 39-27,000 Hz; power handling 200 W; sens 91 dB; Imp 4 ohms; crossover point 200 Hz. Rosewood or black trim. 14½ x 41½ x 12 in; 63 lb. .... \$1,000/pr

### DQ-16 2-Way Speaker

Vertical, decoupled phase-array design with 6-in polycarbon woofer and ¾-in alloy-dome tweeter. Features 2nd-order/quasi Bessel alignment. FR 39-27,000 Hz; power handling 150 W; sens 90 dB; Imp 6 ohms. 37 x 14 x 12 in; 43 lb. .... \$700/pr

### M905 2-Way Speaker

Tuned-port design with 8-in polyvinyl laminated woofer and 1-in dome tweeter. FR 40-24,000 Hz; power handling 125 W; sens 91 dB; Imp 8 ohms; crossover point 2,500 Hz. Walnut veneer. 13½ x 24 x 12½ in; 35 lb. .... \$680/pr

### DQ-6Cl 2-Way Bookshelf Speaker

Boundary-dependent vertical, decoupled phase-array design with 6-in Kevlar/cellulose woofer and ¾-in alloy dome tweeter. 2nd-order/quasi Bessel alignment. FR 46-27,000 Hz; power handling 150 W; sens 89 dB; Imp 4 ohms. 22 x 14 x 12 in; 43 lb. .... \$600/pr

## DANA AUDIO

### Model 2 2-Way Speaker

Sealed design with 8-in polycarbonate woofer and 1-in metal-dome tweeter. Semi-cylindrical enclosure with ¾-in non-resonant front baffle. Power handling 150 W; FR 30-24,000 Hz; sens 89 dB; Imp 8 ohms. Oak-veneer finish. 13½ x 36 x 11½ in. .... \$395/pr

### Model 1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in woofer and ¾-in titanium tweeter. Features gold-plated binding posts. Power handling 100 W; Imp 8 ohms; crossover point 3,150 Hz. Black vinyl finish. 3-yr warranty. 8¾ x 14¾ x 7½ in. .... \$179/pr

## DANTAX

### SQ 65-II 2-Way In-Wall Speaker

4-in woofer and 2-in tweeter. Enclosure made of molded plastic, bitumen sheets, and aluminum to

reduce vibrations. Features active crossover network. Power handling 65 W cont avg; FR 45-20,000 Hz  $\pm$  4 dB; sens 89 dB SPL/W/m; Imp 8 ohms. White or black. 17½ x 17½ x 6¼ in; 8 lb. .... \$450/pr

## Opus Series

### Opus 7 3-Way Speaker

Hybrid vented sealed design with two 10-in polypropylene woofers, 5-in polypropylene midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Internally braced cabinet with spiked feet. Biwireable gold-plated terminals. Power handling 200 W cont avg; FR 28-28,000 Hz; sens 94 dB W/m; Imp 4-8 ohms; crossover points 800 and 4,000 Hz. High-gloss black finish. 12½ x 43 x 12 in; 59 lb. .... \$1,200

### Opus 5 3-Way Speaker

Bass-reflex design with two 8-in polypropylene woofers, 5-in polypropylene midrange, and 1-in soft-dome tweeter. Gold-plated biwire/biamp terminals. Power handling 140 W cont avg; FR 38-22,000 Hz; sens 93 dB SPL/W/m; Imp 4-8 ohms; crossover points 1,000 and 5,000 Hz. High-gloss black-metallic finish. 10¼ x 45 x 12½ in; 45 lb. .... \$600

### Opus 3 2-Way Speaker

Bass-reflex design with two 6-in polypropylene woofers and 1-in soft-dome tweeter. Gold-plated terminals. Power handling 110 W cont avg; FR 42-22,000 Hz; sens 91 dB SPL/W/m; Imp 4-8 ohms; crossover point 5,000 Hz. High-gloss black-metallic finish. 9¼ x 35 x 9¾ in; 30 lb. .... \$400

### Opus 1 2-Way Speaker

Bass-reflex design with 6-in polypropylene woofer and 1-in soft-dome tweeter. Gold-plated terminals. Power handling 80 W cont avg; FR 45-22,000 Hz; sens 90 dB SPL/W/m; Imp 8 ohms; crossover point 5,000 Hz. High-gloss black-metallic finish. 9 x 13¾ x 9 in; 13 lb. .... \$250

## Tube Series

The following feature a tubular enclosure with a downward-firing woofer.

### Tube 3 3-Way Speaker

8-in woofer, 4-in midrange, and 2-in tweeter. Power handling 120 W cont avg; FR 32-20,000 Hz; sens 96 dB/m at 1.8 W; crossover points 1,000 and 5,000 Hz. 39½-in height, 10-in diameter; 24 lb. .... \$750/pr

### Tube 2 3-Way Speaker

6½-in woofer, 4-in midrange, and 2-in tweeter. Power handling 80 W cont avg; FR 35-20,000 Hz; sens 96 dB/m at 2.2 W; crossover points 1,000 and 5,000 Hz. 31½-in height, 8-in diameter; 14 lb. .... \$600/pr

### Tube 1 2-Way Speaker

4-in woofer and 2-in tweeter. Power handling 50 W cont avg; FR 45-20,000 Hz; sens 96 dB/m at 3 W; crossover point 3,000 Hz. 19½-in height, 5-in diameter; 3 lb. .... \$300/pr

## Subwoofer/Satellite Systems

### SUB 3000 Subwoofer/Satellite System

Subwoofer with two 8-in polypropylene woofers, and 2 satellites, each with 4-in hybrid polypropylene-cone woofer/midrange and 2-in ferrofluid-filled cone tweeter. Features push-pull woofer configuration. Power handling 100 W cont avg; FR 35-20,000 Hz; sens 90 dB SPL/W/m; Imp 6-8 ohms; crossover points 95 and 5,000 Hz. Black or white finish. Subwoofer: 23-in height, 10-in diameter; 23 lb. Satellite: 5½ x 8½ x 4¾ in; 4 lb. .... \$1,000

### SUB 2002 Subwoofer/Satellite System

Subwoofer with two 8-in woofers, and 2 satellites, each with 3½-in woofer/midrange and 2-in cone tweeter. Features molded ABS enclosures. Power handling 120 W; FR 38-20,000 Hz; sens 92 dB SPL/W/m; Imp 4-8 ohms; crossover points 180 and 3,000 Hz. Black or white finish. Subwoofer: 20 x 8 x 12¾ in; 21 lb. Satellites: 4¼ x 8¼ x 4¼ in; 3 lb. .... \$500

## SUB 1002 Subwoofer/Satellite System

Subwoofer with two 8-in woofers, and 2 satellites, each with one 3½-in full-range driver. Power handling 90 W cont avg; FR 38-15,000 Hz; sens 89 dB SPL/W/m; Imp 6 ohms; crossover point 180 Hz. Black or white finish. Subwoofer: 20 x 8 x 12¾ in; 21 lb. Satellite: 4¼ x 4¼ x ¼ in; 2 lb. .... \$320

## DATAWAVE

### WRS-7 Rock Wireless Outdoor Speaker

5-in full-range driver in fiberglass-reinforced enclosure designed to look like a boulder. Features transmitter with 150-ft range; DC power jack for optional power supply; auto shutoff; two-channel operation; weatherproof design. On/off and volume controls; channel select switch; power LED; 2 selectable, crystal-controlled channels. Battery powered. FR 140-10,000 Hz; sens 15 dB; S/N 50 dB. 16¾ x 7½ x 9¾ in. .... \$175

### WOS-7 Wireless Outdoor Speaker

4-in full range driver. Features transmitter with 150-ft range; 2 channels; weatherproof design. On/off and volume controls; power LED; channel select switch. Battery powered. FR 140-10,000 Hz; sens 15 dB; S/N 50 dB. 4¾ x 12 x 3¼ in. .... \$150

WSH-7. Waterproof version of above. Designed for use in the shower. .... \$150

### WS-7 Wireless Speaker

4-in full-range driver. Features transmitter with 150-ft range; 2 channels; 360° sound pattern; auto shutoff. On/off and volume controls; channel select switch; power LED. AC or battery powered. FR 140-10,000 Hz; sens 15 dB; S/N 50 dB. 4½ x 8½ x 4½ in; 2 lb. .... \$140

## DCM

### TimeWindow 7 3-Way Speaker

7-sided staggered transmission-line design with two 9-in polypropylene woofers, two 6½-in midrange, and two ¾-in diamond-coated tweeters. Features time-equalized response. Power handling 500 W cont avg; FR 22-25,000 Hz; sens 92 dB SPL/W/m; Imp 6 ohms. Gloss black finish. 18½ x 48 x 14 in; 75 lb. .... \$2,999/pr

### TimeWindow 3-Way Speaker

Folded transmission-line design with 8-in cone woofer, 6½-in cone midrange, and two ¾-in soft-plastic-dome tweeters. Features time-coherent point-source configuration. Tweeter and midrange level controls; narrow/wide image control; acoustic antidiffraction lenses. Power handling 500 W cont avg; frequency response 24-20,000 Hz; sens 90 dB SPL/W/m; Imp 8 ohms. Dark oak finish. 16¼ x 39¼ x 12¾ in; 45 lb. .... \$1,499/pr

### TimeFrame TF1000 3-Way Speaker

Tapered transmission-line design with 8-in woofer, 4-in midrange, and ¾-in soft-plastic dome tweeter. Features acoustic antidiffraction lens. Power handling 300 W cont avg; FR 26-20,000 Hz; Imp 8 ohms; sens 91 dB SPL/W/m. Dark oak finish. 19½ x 49 x 8 in; 49 lb. .... \$1,099/pr

### TimeWindow 1A 2-Way Speaker

Hybrid transmission-line design with two 6½-in cone woofers and two ¾-in soft-plastic-dome tweeters with acoustic lens. Features pinpoint imaging properties; cylindrical back and triangular-prism front. Optimized for min time-dispersion error. Power handling 200 W cont avg; sens 91 dB SPL/W/m; Imp 8 ohms. Dark oak finish. 15 x 36 x 11¼ in; 32 lb. .... \$949/pr

### TimeFrame TF600 3-Way Speaker

Mirror-image design with 6½-in woofer, 6½-in coaxially mounted polypropylene midbass, ¾-in dome tweeter with acoustic lens for point-source imaging, and 2 rear-firing ¾-in dome tweeters. Staggered transmission-line enclosure terminates in 1 rear vent. Power handling 250 W cont avg; FR 30-20,000 Hz; sens 92 dB SPL/W/m; Imp 6 ohms. Dark oak finish. 17 x 41 x 8¾ in; 47 lb. .... \$699/pr

**TimeFrame TF400 3-Way Speaker**

Transmission-line design with two 6½-in magnetically-shielded cone woofers and one coaxially mounted ¾-in dome tweeter. Features antidiffraction lens. Power handling 150 W cont avg; FR 42-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Dark oak finish, fabric grille. 15 x 38 x 8 in; 31 lb ..... \$569/pr

**CX-27 3-Way Speaker**

Transmission-line design with 6½-in woofer, 6½-in midbass, and coaxially mounted ¾-in dome tweeter. Acoustic lens for point-source imaging, 2 rear-firing ports. Power handling 150 W cont avg; FR 35-20,000; sens 93 dB SPL/W/m; imp 6 ohms. 10 x 27 x 11 in; 25 lb ..... \$499/pr

**CX-17 2-Way Bookshelf Speaker**

Transmission-line design with 6½-in woofer and coaxially mounted ¾-in dome tweeter. Features acoustic lens for point-source imaging, rear-firing port. Power handling 100 W cont avg; FR 45-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 9 x 17 x 10 in; 15 lb ..... \$349/pr

**CX-07 2-Way Bookshelf Speaker**

Bass-reflex design with 6½-in woofer and ¾-in dome tweeter. Features rear firing port; magnetic shielding. Power handling 80 W cont avg; FR 55-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 8 x 15 x 9 in; 12 lb ..... \$249/pr

**DEFINITIVE TECHNOLOGY****BP20 2-Way Speaker**

Four 6½-in mineral-filled-polymer woofers and two 1-in aperiodic-dome tweeters. Phase-coherent Linkwitz-Riley crossover; bipolar system with symmetrically concentric driver arrays on front and rear baffles; computer-synthesized transmission-line tuning. Biwire biamp terminals. FR 18-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 500 W. Black cloth grille with black-lacquer or oak end caps. 9 x 46 x 15 in ..... \$799

**BP10 2-Way Speaker**

Bipolar radiating design with two 6½-in mineral-filled midranges and two 1-in dome ferrofluid-cooled tweeters. Features Linkwitz-Riley crossover; aluminum voice coil; FR 20-28,000 Hz; imp 8 ohms. Black grille cloth with wood or black-lacquer finish. 5-yr warranty. 9 x 42 x 11½ in ..... \$550

**DR7 2-Way Speaker**

6½-in mineral-filled-polymer woofer and 1-in ferrofluid-cooled dome tweeter. Features phase-coherent Linkwitz-Riley crossover; narrow-profile minimum-diffraction cabinet and computer-synthesized transmission-line tuning. FR 22-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 200 W. Black cloth grille with black-lacquer or oak end caps. 8½ x 38 x 11 in ..... \$375

**C-1 2-Way Center-Channel Speaker**

Magnetically shielded design with two 5¼-in cast basket woofers and 1-in soft-dome tweeter. Features Linkwitz-Riley crossover. FR 25-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 200 W. Black finish. 6¼ x 19 x 8½ in ..... \$299

**BP2 Satellite/Surround System**

Compact bipolar design with two 5¼-in cast-basket polypropylene-cone woofers and two ¾-in soft-dome tweeters. Designed for rear/side-channel surround or satellite system applications. Features Linkwitz-Riley crossover design; low diffraction grille/baffle interface. Includes wall mounting plate. FR 50-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 200 W. Black or white. 7 x 11 x 7 in ..... \$250

**DENNESEN****Dennesen Class A 3-Way Speaker**

Hybrid design with slot-loaded 10-in woofer, 6½-in midrange, and four 3-in electrostatic tweeter elements. Phase-corrected, time-aligned design. Power

handling 200 W cont avg; FR 25-35,000 Hz ± 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 14 x 54 x 12 in; 80 lb ..... \$3,500/pr  
Active crossover for biamplifying ..... \$375

**Dennesen 2-Way Bookshelf Speaker**

Acoustic-suspension/electrostatic hybrid design with 5-in woofer/midrange and three 3-in electrostatic tweeter elements. Phase-corrected, time-aligned design. Power handling 100 W cont avg; FR 55-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 10 x 16 x 9 in; 20 lb ..... \$950/pr

**DENON****SC-7.5 2-Way Bookshelf Speaker**

Ported design with 6½-in woofer and 1½-in dome tweeter. Features magnetic shielding; Gauss-Bessel tweeter waveguide; front-facing port. FR 40-20,000 Hz; imp 8 ohms; sens 89 dB SPL/W/m. Gray-textured finish; black-knit grille. 8 x 13¼ x 8¾ in ..... \$500/pr

**DSW-1 Powered Subwoofer**

Tuned-port design with long-throw woofer for deep bass output. Separate inputs for line- and speaker level signals. FR 39-150 Hz ..... \$250

**SC-5.5 2-Way Bookshelf Speaker**

Ported design with 5-in woofer and 2-in cone tweeter. Features magnetic shielding; rear-facing port. FR 50-20,000 Hz; imp 8 ohms; sens 88 dB SPL/W/m. Gray-textured finish; black-knit grille. 5¼ x 9¾ x 6¼ in ..... \$200/pr

**DESIGN ACOUSTICS****Point Source Series****PS-10A 3-Way Speaker**

Acoustic-suspension design with downward-firing 10-in woofer, 5¼-in midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 300 W; crossover points 200 Hz and 2,800 Hz; sens 91 dB SPL/W/m; FR 45-22,000 Hz; imp 8 ohms. Oak or black-ash vinyl. 11 x 16½ x 13 in; 23 lb ..... \$600/pr

**PS-9 3-Way Speaker**

Acoustic-suspension design with downward-firing 8-in woofer, 5¼-in midrange, and ¾-in ferrofluid-cooled soft-dome tweeter. Power handling 250 W; crossover points 200 and 3,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak or black-ash vinyl finish. 9¾ x 15½ x 12½ in; 20 lb ..... \$500/pr

**PS-8C 2-Way Speaker**

Acoustic-suspension design with 8-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 200 W; crossover point 2,800 Hz; sens 90 dB SPL/W/m; frequency response 50-20,000 Hz; imp 8 ohms. Oak or black-ash vinyl finish. 9¾ x 13½ x 11¼ in; 15 lb ..... \$380/pr

**PS-SW Subwoofer**

Vented design with 10-in carbon-fiber woofer. Features impregnated aluminum dual voice coils; high-pass filter. Power handling 200 W; sens 89 dB SPL/W/m (1 voice coil), 95 dB (2 voice coils); FR 30-130 Hz; imp 8 ohms. Black-vinyl finish. 5-year limited warranty. 16½ x 22 x 11 in; 38 lb ..... \$340

**PS-6A 2-Way Speaker**

Acoustic-suspension design with 6½-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Power handling 100 W; crossover point 3,000 Hz; sens 88 dB SPL/W/m; FR 55-20,000 Hz; imp 8 ohms. Oak or black-ash vinyl finish. 8½ x 12 x 11½ in; 12 lb ..... \$280/pr

**PS-55 2-Way Speaker**

Bass-reflex design with 5¼-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Tuned rear port. Power handling 75 W; crossover point 4,000 Hz; sens 88 dB SPL/W/m; FR 65-20,000 Hz; imp 8 ohms. Black-ash vinyl finish. 7 x 10¼ x 6 in; 7 lb ..... \$220/pr  
**PS-CV.** As above, with magnetic shielding ..... \$120

**PS-24 2-Way Center-Channel Speaker**

Vented design with two 4-in woofers and ¾-in metallized polycarbonate dome tweeter. Magnetic shielding. Power handling 75 W; sens 88 dB SPL/W/m; FR 50-20,000 Hz. Metal grille; black-vinyl finish ..... \$190

**DA-360 2-Way Outdoor Speaker**

ABS enclosure with 6-in woofer and 1½-in piezo tweeter. Power handling 30 W; FR 90-18,000 Hz; sens 84 dB; nom imp 8 ohms. 7¾ diameter x 10 in; 5 lb ..... \$90

**Summit Series****DA-1000 3-Way Speaker**

Vented design with 10-in downward-firing woofer, two 5-in midbasses, and ¾-in sonofoam-treated ferrofluid-cooled metallized-polycarbonate dome tweeter. Features magnetic shielding. Power handling 300 W; FR 30-25,000 Hz; sens 89 dB SPL/W/m; crossover points 110 and 3,500 Hz. Oak or black-ash vinyl finish ..... \$1,100/pr

**DA-900 3-Way Speaker**

Vented design with 8-in downward-firing woofer, 5-in midbass, and ¾-in sonofoam-treated ferrofluid-cooled metallized-polycarbonate dome tweeter. Features magnetic shielding. Power handling 200 W; FR 40-25,000 Hz; sens 88 dB SPL/W/m; crossover points 130 and 3,500 Hz. Available with oak or black-ash vinyl finish ..... \$800/pr

**DA-800 3-Way Bookshelf Speaker**

Vented design with 8-in downward-firing woofer, 5-in midbass, and ¾-in sonofoam-treated ferrofluid-cooled metallized-polycarbonate dome tweeter. Features magnetic shielding. Power handling 200 W; FR 47-22,000 Hz; sens 88 dB SPL/W/m; crossover points 150 and 4,000 Hz. Available with oak or black-ash vinyl finish ..... \$600/pr

**DESKTOP****DLS-3X Small Satellite/Subwoofer System**

2 satellites, each with 3¼-in cone woofer and ¾-in titanium tweeter, and 2 subwoofers, each with two 7-in drivers and two 8-in passive radiators. Power handling 200 W; FR 18-35,000 Hz ± 3 dB; sensitivity 87.5 dB SPL/W/m; impedance 4 ohms. Black or walnut finish ..... \$2,399

**DLS-2B Small Satellite/Subwoofer System**

2 DM-1 satellites, each with 3¼-in cone woofer and 7/8-in dome tweeter, and 2 subwoofers, each with 6½-in driver and two 8-in passive radiators. Power handling 250 W; FR 39-19,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4.6 ohms. Black or walnut finish. Satellites: 7½ x 4½ x 3½ in. Subwoofer: 10 x 12½ x 8½ in; 38 lb ..... \$899

**DLS-1X Small Satellite/Subwoofer System**

2 DM-1 satellites and 2 subwoofers, each with two 6½-in drivers. Power handling 175 W; FR 47-18,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4.6 ohms. Rose gold finish. Satellites: 7½ x 4 x 3 in. Subwoofer: 5½ x 16 x 8 in; 29 lb ..... \$799

**DLS-1B Small Satellite/Subwoofer System**

2 DM-1 satellites and subwoofer with two 6½-in drivers. Power handling 175 W; FR 47-18,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4.6 ohms. Walnut, golden oak, or black finish. Satellites: 7½ x 4½ x 3½ in. Subwoofer: 5½ x 16 x 8 in; 28 lb ..... \$649

**DM-1 Intimate 2-Way Bookshelf Speaker**

3¼-in cone woofer and 7/8-in dome tweeter. Power handling 125 W; FR 175-18,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 8 ohms. Walnut, golden oak, or black finish. 4½ x 7½ x 3½ in; 5 lb ..... \$300/pr

**DIGITAL PHASE****RS4631 2-Way Speaker**

Four 6½-in woofers and four 1-in ferrofluid-cooled aluminum-dome tweeters. Tweeter-level control. FR

# S P E A K E R S

25-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black ash vinyl finish. 16 x 48 x 17 $\frac{3}{4}$  in; 94 lb ..... \$3,495/pr

### RS2631 2-Way Speaker

Two 6 $\frac{1}{2}$ -in woofers and two 1-in ferrofluid-cooled aluminum-dome tweeters. Tweeter-level control. FR 28-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 5,000 Hz. Black-ash vinyl finish. 13 x 40 x 14 $\frac{1}{8}$  in; 57 lb ..... \$1,895/pr

### AP631 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Tweeter-level control. FR 30-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash vinyl finish. 10 $\frac{1}{2}$  x 36 x 11 $\frac{1}{8}$  in; 35 lb ..... \$1,095/pr

### SP631 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Tweeter-level control. FR 30-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black vinyl ..... \$995/pr

## DISCWASHER

### SM 400 Powered Mini Speaker

Features built-in amp; 3-band EQ; volume control; auto on/off ..... \$46  
**SM 300.** As above, without EQ or auto on/off ..... \$30  
**SM 250.** As above, single amp ..... \$26  
**SM 200.** As above, without volume control or on/off switch ..... \$19.99

## DYNACO

### A-25 Series II 2-Way Speaker

9-in polypropylene woofer and 1-in soft-dome tweeter. Features patented stepped-baffle design to reduce grille reflections; ferrofluid-cooled drivers. Power handling 200 W rms; FR 30-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m. Hand-rubbed black- or natural-oak lacquer finish ..... \$320

### FL-650 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer with foam-edge surround and 1-in soft-dome tweeter. Features waterproof diaphragms. Power handling 100 W; FR 58-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Mounting hardware included. RIB-2 new construction bracket optional. Matte-white grilles and trim ..... \$300/pr

### Amazing Bass Subwoofer

Bass-reflex enclosure with 8-in driver. Features dual voice-coils. Power handling 100 W; FR 30-120 Hz  $\pm 3$  dB; crossover point 100 Hz ..... \$180

### A-35 Type II 2-Way Speaker

Bass-reflex design with 8-in mica-filled polypropylene woofer and  $\frac{3}{4}$ -in ferrofluid-cooled soft-dome tweeter. Gold-plated 5-way binding posts. Power handling 180 W; FR 35-20,000 Hz  $\pm 3$  dB. Black- or medium-oak vinyl cabinets ..... \$150

### A-10 Type II 2-Way Speaker

4-in polypropylene woofer and  $\frac{3}{4}$ -in ferrofluid-cooled titanium-dome tweeter. Power handling 75 W; FR 100-18,000 Hz  $\pm 3$  dB ..... \$120/pr

### A-20 Type II 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in mica-filled polypropylene woofer and  $\frac{3}{4}$ -in ferrofluid-cooled soft-dome tweeter. Gold-plated 5-way binding posts. Power handling 140 W; FR 45-20,000 Hz  $\pm 3$  dB. Black- or medium-oak vinyl cabinets ..... \$110

### AW-1 Indoor/Outdoor 2-Way Speaker

Waterproof polypropylene woofer and hard-dome tweeter in sealed aluminum enclosure. Features anodized, weather-painted grille ..... \$100/pr

### A-15 Type II 2-Way Speaker

Bass-reflex design with 5 $\frac{1}{4}$ -in mica-filled polypropylene woofer and  $\frac{3}{4}$ -in ferrofluid-cooled soft-dome

tweeter. Gold-plated 5-way binding posts. Power handling 90 W; FR 55-20,000 Hz  $\pm 3$  dB. Black- or medium-oak vinyl cabinets ..... \$90

## EMINENT TECHNOLOGY

### LFT-VI Planar Doublet Speaker

Single-diaphragm Linear Field Transducer. Diaphragm remains within constant magnetic-flux field over entire displacement range. Features push-pull operation; soft-foil/Mylar diaphragm with thin traces and narrow gaps. 410-in-sq diaphragm; peak-to-peak displacement 0.3-in. Power handling 250 W max; FR 38-20,000 Hz  $\pm 4$  dB; sens 83 dB SPL/W/m; imp 6 ohms. 18 x 78 x 2 in; 75 lb ..... \$2,900/pr

### LFT-VIII Planar Doublet Speaker

Single-diaphragm Linear Field Transducer and with 8-in woofer. Magnetic field remains constant as diaphragm moves between magnets. Features rigid steel frame; low-mass foil/mylar diaphragm. Power handling 200 W max; FR 180-10,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms ..... \$1,500/pr

## ENERGY

### SAS-15 Powered Subwoofer

15-in driver and 250-W power amp. Features variable servo and phase controls; audio or A/V EQ switch. FR 18-150 Hz -3 dB. Black finish ..... \$1,500

**SAS-12.** As above, 12-in driver, 175-W power amp. FR 20-150 Hz -3 dB. 18 x 18 x 22 in ..... \$1,000

### AS-12 Powered Subwoofer

12-in driver and 175-W power amp. Features dual ports on rear of cabinet; protection circuitry; level control with adjustable low-pass filter; audio or A/V EQ switch. Black ash finish. 17 x 18 x 20 in ..... \$750

**AS-10.** As above, 10-in driver and 90-W power amp. 17 x 16 x 16 in ..... \$550

### 22 Series

#### Veritas v2.8 3-Way Speaker

Vented design with two 8-in woofers, 3-in metal-dome midrange, and 1-in metal-dome tweeter. Power handling 100 W min; FR 28-30,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms max, 4 ohms min; crossover points 400 Hz and 2,500 Hz. Gray finish. 50 x 12 x 18 in; 140 lb ..... \$5,000/pr

#### Veritas v1.8 3-Way Speaker

Vented design with two 8-in bass drivers, 3-in metal-dome midrange, and 1-in metal-dome tweeter. Power handling 75 W min; FR 30-30,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms max, 4 ohms min; crossover points 400 Hz and 2,200 Hz. Gray finish. 45 x 12 x 18 in; 115 lb ..... \$3,500

### Model 22.3 2-Way Speaker

Front-vented design with Spherex-front baffle supporting two 6 $\frac{1}{2}$ -in woofers and  $\frac{3}{4}$ -in dual-hyperdome tweeter. Biwire/blamp terminals; adjustable spiked feet. Power handling 150 W cont avg; frequency response 30-23,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash-veneer finish. 10 x 40 x 16 in; 67 lb ..... \$2,000/pr

### Model 22.2 2-Way Speaker

Bass-reflex design with Spherex front baffle, 7-in quadcentric woofer, and  $\frac{3}{4}$ -in dual-hyperdome tweeter. Biwire/blamp terminals. Power handling 125 W cont avg; frequency response 32-23,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms. Includes spiked metal stand. Walnut or black-ash-veneer finish. 10 x 27 x 12 in; 45 lb ..... \$1,400/pr

### Model 22.1 2-Way Bookshelf Speaker

Front-vented design with spherex front baffle, 6 $\frac{1}{2}$ -in quadcentric woofer, and  $\frac{3}{4}$ -in dual-hyperdome tweeter. Biwire/blamp terminals. Power handling 110 W cont avg; FR 40-23,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms. Walnut or black-ash-veneer finish. 10 x 16 x 12 in; 27 lb ..... \$1,000/pr  
**SST-21.** 21-in metal stand for above ..... \$120/pr

### E-Series

The following, except Model .Te, feature a nonresonant baffle.

### Model 4.1e 2-Way Speaker

Front-vented design with 7-in quadcentric woofer and 1-in tweeter. Power handling 100 W cont avg; FR 35-20,000  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. Dimensions: 10 x 24 x 12 in ..... \$850/pr  
**SST-13.** 13-in metal stand for above ..... \$120/pr

### Model 4.1e 2-Way Speaker

Front-vented design with 7-in quadcentric woofer and 1-in tweeter. Power handling 100 W cont avg; FR 35-20,000  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. 10 x 24 x 12 in ..... \$850/pr  
**SST-13.** 13-in metal stand for above ..... \$120/pr

### Model 3.1e 2-Way Bookshelf Speaker

Front-vented design featuring 8-in quadcentric woofer and  $\frac{3}{4}$ -in tweeter. Power handling 100 W cont avg; FR 40-20,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. 10 x 19 x 10 in ..... \$450/pr  
**SST-21.** 21-in metal stand for above ..... \$120/pr

### ESAT-2 2-Way Satellite Speaker

Designed for surround applications. Magnetically shielded, acoustic-suspension design with 4 $\frac{1}{2}$ -in woofer and  $\frac{3}{4}$ -in cloth-dome tweeter. Features sculpted Spherex baffle. Power handling 125 W rms; FR 140-22,000 Hz  $\pm 3$  dB; sens 84 dB SPL/W/m; crossover point 2,500 Hz; nom imp 6 ohms; min imp 4 ohms. 5 x 8 x 5 in; 5 lb ..... \$349/pr  
**API SST-25.** 25-in metal stand for above ..... \$130/pr

**API Wall Mount Bracket** ..... \$40/pr

### Model ESUB-2 Energy Subwoofers

For use with surround applications. Magnetically shielded, 6th-order band-pass vented enclosure with 6 $\frac{1}{2}$ -in woofer. Power handling 125 W rms; FR 40-140 Hz  $\pm 3$  dB; sens 84 dB SPL/W/m; crossover point 140 Hz; min imp 4 ohms. Black-ash vinyl finish. 8 x 12 x 14 in; 18 lb ..... \$349/pr

### Model 2.1e 2-Way Bookshelf Speaker

Front-vented design featuring 6 $\frac{1}{2}$ -in quadcentric woofer and  $\frac{3}{4}$ -in tweeter. Power handling 80 W cont avg; FR 45-20,000 Hz  $\pm 3$  dB; sens 86 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. 10 x 16 x 10 in ..... \$300/pr  
**SST-25.** 25-in metal stand for above ..... \$130/pr

### Model .1e 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer and  $\frac{3}{4}$ -in tweeter. Power handling 75 W cont avg; FR 55-20,000 Hz  $\pm 3$  dB; sens 86 dB SPL/W/m; imp 6 ohms. Walnut or black finish. 8 x 13 x 8 in ..... \$200/pr  
**SST-25.** 25-in metal stand for above ..... \$130/pr

### ECC-1 Energy Center-Channel Speaker

For use with surround applications. Magnetically shielded, dual-vented design with two 4 $\frac{1}{2}$ -in woofers and  $\frac{1}{2}$ -in polycarbonate dome tweeter on sloped baffle. Power handling 100 W rms; FR 60-22,000 Hz  $\pm 3$  dB; sens 86 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Black-ash vinyl finish. 6 x 20 x 8 in; 15 lb ..... \$169

## EPI

The following feature a black vinyl finish, a black grille, and a 5-year warranty.

### Model 120 Series 3 3-Way Speaker

Tuned port design with 8-in woofer, 5-in midrange in separate internal enclosure, and 1-in patented air-spring tweeter. Power handling 120 W rms; sens 91 dB SPL/W/m; imp 8 ohms. 10 $\frac{7}{8}$  x 30 x 9 $\frac{1}{2}$  in; 26 lb ..... \$400/pr

### Model 100 Series 3 2-Way Bookshelf Speaker

Tuned port design with 8-in woofer and 1-in patented air-spring tweeter. Power handling 80 W rms; sens

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90.5 dB SPL/W/m; imp 8 ohms. 11 $\frac{7}{8}$  x 20 x 9 $\frac{1}{2}$  in; 19 lb ..... \$300/pr

## Model 70 Series 3 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 2-in patented air-spring tweeter. Power handling 60 W rms; sens 89.5 dB SPL/W/m; imp 8 ohms. 10 x 15 x 7 in; 12 lb ..... \$200/pr

## EPIK

### Epik Coherent Powered Sub/Satellite System

Two transmission-line subwoofer with two 10-in cast-frame Kevlar drivers, 2 satellites, each with two 6 $\frac{1}{2}$ -in midbasses and ceramic tweeter, and 300-W amp. Satellite pass band of 100-25,000 Hz; Edison amp connectors. Satellite: 15 x 52 x 13 in; 230 lb. Sub-woofer: 20 x 36 x 36 in; 35 lb ..... \$11,500  
One subwoofer ..... \$8,500

### Ultima X 2-Way Speaker

Transmission-line loading. Features ceramic tweeter, Biwire terminals. Power handling 200 W; FR 34-27,000 Hz  $\pm 1.5$ , -3 dB; crossover point 2,500 Hz; sens 88 dB SPL/W/m; imp 10 ohms. 13 $\frac{1}{2}$  x 43 x 15 in; 110 lb ..... \$4,995/pr

### Epik Monitor Jr. 2-Way Bookshelf Speaker

Transmission-line design with layered enclosure. Cast frame, Kevlar-sandwich midbass and tweeter. FR 35-21,000 Hz. 14 x 45 x 14 in; 105 lb ... \$1,750/pr

### Epik Micro Monitor 2-Way Speaker

Aperiodic-loading polypropylene diaphragm for phase-coherent response. Walnut finish ... \$895/pr  
Ash or oak finish ..... \$750/pr

## EPOS

### ES 14 2-Way Speaker

8-in woofer and aluminum tweeter. No crossover; natural woofer rolloff at 2,000 Hz. Black-ash or walnut veneer finish. 8 x 19 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in ..... \$1,295/pr  
Matching stands ..... \$250/pr

### ES 11 2-Way Speaker

6 $\frac{5}{8}$ -in polypropylene woofer and aluminum-dome tweeter. Power handling 75 W; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer finish. 8 x 15 x 10 in; 18 lb ... \$850/pr  
Matching stands ..... \$200/pr

## ESS

### AMT-Monitor 2-Way Speaker

12-in passive radiator, 12-in cone woofer, and Heil air-motion transformer tweeter with Mylar diaphragm. Power handling 400 W cont avg; FR 28-23,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 6 ohms. Black walnut finish. 15 $\frac{3}{4}$  x 39 $\frac{1}{4}$  x 15 $\frac{3}{4}$  in; 110 lb \$1,298/pr

### AMT 1D 2-Way Speaker

12-in passive radiator, 12-in polypropylene woofer, and Heil air-motion tweeter with Mylar diaphragm. Power handling 400 W max; FR 28-23,000 Hz  $\pm 3$  dB; crossover point 800 Hz; imp 6 ohms; sens 91 dB SPL/W/m. Black-walnut finish ..... \$1,198/pr

### Performance Series

#### PS-1210 3-Way Speaker

Passive-radiator design with 12-in woofer, 4-in midrange with hi-temp voice coil, and Heil air-motion tweeter. Power handling 200 W cont avg; FR 28-23,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; imp 6 ohms. Matte black finish. 12 x 34 x 14 $\frac{1}{4}$  in; 65 lb ... \$598/pr

#### PS-1010 2-Way Speaker

Passive-radiator design with 10-in woofer and Heil air-motion tweeter. Power handling 150 W cont avg; FR 32-23,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 6 ohms. Matte black finish. 14 x 25 x 13 in; 44 lb \$498/pr

#### PS-920 2-Way Bookshelf Speaker

Passive-radiator design with 8-in woofer and Heil air-motion tweeter. Power handling 125 W cont avg; FR

38-23,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 6 ohms. Matte black finish. 11 $\frac{1}{2}$  x 22 x 11 in; 37 lb ..... \$438/pr

#### PS-810 2-Way Bookshelf Speaker

Passive-radiator design with 6-in woofer and Heil air-motion tweeter. Power handling 100 W cont avg; sens 89 dB SPL/W/m; imp 6 ohms. Matte black finish. 9 $\frac{1}{2}$  x 17 $\frac{3}{8}$  x 9 $\frac{1}{2}$  in; 27 lb ..... \$358/pr

#### PS-610 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer, rear-mounted 5-in passive radiator, and 1 $\frac{1}{4}$ -in soft-dome tweeter. Power handling 60 W cont avg; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Matte black finish. 7 $\frac{1}{2}$  x 12 x 7 in; 16.5 lb ..... \$160/pr

#### Mini Monitor PS 620 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer, 5-in passive radiator, and 1 $\frac{1}{4}$ -in dome tweeter. Power handling 60 W cont avg; FR 60-20,000 Hz  $\pm 4$  dB; sens 87 dB SPL/W/m; imp 8 ohms. Oiled walnut-veneer finish. 7 x 12 x 7 $\frac{1}{2}$  in; 16 $\frac{1}{2}$  lb ..... \$160/pr

### E Series

The following feature woofers with butyl-rubber surrounds and gold-plated 5-way binding posts.

#### E-80 3-Way Speaker

Bass-reflex design with two 8-in woofers with aluminum voice coils, 5-in midrange, and dome tweeter. Features 1-in midrange and tweeter voice coils. Power handling 120 W rms; FR 40-22,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 1,000 Hz and 3,800 Hz. Black-ash veneer finish. 12 x 37 $\frac{1}{2}$  x 12 in; 54 lb ..... \$518/pr

#### E-10/E-200 SW Subwoofer/Satellite System

Dual vented-chamber subwoofer with two 8-in drivers with aluminum voice coils, and 2 satellites, each with 5 $\frac{1}{4}$ -in woofer and 1-in dome tweeter. Power handling 100 W; FR 40-20,000 Hz  $\pm 3$  dB; imp 4 ohms. Black-ash finish. Satellite: 7 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 7 $\frac{1}{4}$  in; 12 lb. Sub: 11 $\frac{1}{4}$  x 28 x 12 in; 40 lb ..... \$419

#### E-60 3-Way Speaker

Passive-radiator design with one 8-in woofer with aluminum voice coil, 8-in rear-firing passive radiator, 4-in midrange, and 1-in dome tweeter. Power handling 110 W; FR 40-20,000 Hz  $\pm 3$  dB; imp 4 ohms; crossover points 1,400 Hz and 4,000 Hz. Black-ash finish. 11 $\frac{1}{4}$  x 25 $\frac{3}{4}$  x 12 in; 34 lb ..... \$418/pr

#### E-40 2-Way Speaker

Front vented design featuring two 6 $\frac{1}{2}$ -in woofers with aluminum voice coil and 1-in dome tweeter. Power handling 120 W; FR 50-20,000 Hz  $\pm 3$  dB; imp 4 ohms; crossover point 4,000 Hz. Black-ash finish. 9 $\frac{1}{2}$  x 26 x 10 in; 30 lb ..... \$338/pr

#### E-30 2-Way Speaker

Front vented design featuring one 8-in woofer with aluminum voice coil and 1-in dome tweeter. Power handling 110 W; FR 40-20,000 Hz  $\pm 3$  dB; imp 4 ohms; crossover point 3,600 Hz. Black-ash finish. 11 $\frac{1}{4}$  x 19 $\frac{1}{2}$  x 10 $\frac{3}{4}$  in; 26 lb ..... \$278/pr

#### E-20 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer with aluminum voice coil and 1-in dome tweeter. Power handling 90 W; FR 50-20,000 Hz  $\pm 3$  dB; imp 4 ohms; crossover point 3,500 Hz. Black-ash finish. 9 $\frac{1}{2}$  x 14 $\frac{1}{2}$  x 9 $\frac{1}{2}$  in; 18 lb ..... \$218/pr

## ESSENCE

The following feature a 5-year warranty.

#### Amethyst 10A 5-Way Speaker

Transmission-line design with 11-in woofer, one 6-in and 1 $\frac{1}{2}$ -in midrange each, and one 1-in and 3 $\frac{1}{4}$ -in tweeter each. Butterworth filter; adjustable geometry. Power handling 300 W; frequency response 24-23,000 Hz  $\pm 3$  dB; crossover points 80, 1,000, 2,000, and 6,500 Hz; sensitivity 89 dB SPL/W/m; impedance

8 ohms. 12 standard finishes. Price depends on finish. 15 x 51 x 25 in; 240 lb ... \$14,850-\$23,500/pr

### Reference Subwoofer

Transmission-line design with two 11-in woofers. Power handling 500 W; FR 16-100 Hz  $\pm 1$  dB; variable crossover point with 6-dB/oct slope; sens 89 dB; imp 4 ohms. 12 standard finishes. Price depends on finish. 16 x 72 x 16 in; 320 lb ... \$14,850-\$23,500/pr

### Sardonyx 3-Way Speaker

Transmission-line design with 8-in carbon fiber woofer, 5-in composite midrange, and 1-in textile-dome tweeter. Butterworth filter. Power handling 200 W; FR 26-23,000 Hz  $\pm 3$  dB; crossover points 150 and 2,000 Hz; sens 89 dB; imp 8 ohms. Adjustable geometry. 14 x 52 x 16 in; 85 lb ..... \$4,850/pr

### Super Gem 2-Way Speaker

Transmission-line design with 6 $\frac{1}{2}$ -in woofer and 1-in tweeter. Butterworth filter. Power handling 200 W; FR 34-21,000 Hz  $\pm 3$  dB; crossover point 2,000 Hz; sens 89 dB. 8 standard finishes. 10 x 23 x 15 in; 52 lb ..... \$1,850/pr

### Gem 2-Way Speaker

Wool-damped transmission-line design with 6 $\frac{1}{2}$ -in carbon-fiber woofer and 1-in textile-dome tweeter. Butterworth filter; OFHC air-core inductors and polypropylene capacitors. Power handling 200 W; FR 38-21,000 Hz; crossover point 2,000 Hz; sens 89 dB; imp 4 ohms. 8 standard finishes. 10 x 23 x 13 in; 34 lb ..... \$985/pr

## FISHER

#### ST-415 3-Way Speaker

Bass-reflex design with 15-in woofer, 4-in ferrofluid-cooled midrange, and 3-in ferrofluid-cooled tweeter. Features auto-reset circuit breaker; offset grille. Power handling 120 W max; FR 40-20,000 Hz; sens 92 dB W/m; imp 8 ohms. 39 lb ..... \$200

#### ST-412 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in ferrofluid midrange, and 3-in ferrofluid-cooled tweeter. Features auto-reset circuit breaker. Power handling 100 W max; FR 45-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 27 lb ..... \$150

#### ST-410 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 3 in tweeter. Features auto-reset circuit breaker. Power handling 60 W max; FR 45-20,000 Hz; sens 90 dB W/m; imp 8 ohms. 21 lb ..... \$100

#### WS-638S Full-Range Speaker

Acoustic-suspension design with 5 $\frac{1}{2}$ -in full-range driver. Power handling 30 W. 10 x 8 x 5 $\frac{1}{8}$  in ... \$30

## FMS

#### FMS Studio-2 2-Way Speaker

Aperiodic design with 8-in polymer-cone woofer and 1 $\frac{1}{8}$ -in dome tweeter. Power handling 200 W; FR 42-22,000 Hz  $\pm 2$  dB; sens 89 dB SPL/W/m; imp 5 ohms; crossover point 1,800 Hz. 12 x 25 x 13 $\frac{1}{2}$  in; 70 lb ..... \$5,500/pr

## FOCUS

#### High-Definition 2-Way Speaker

8-in woofer and 1 $\frac{1}{4}$ -in tweeter. Features phase-aligned drivers in separate sub-enclosures. 14-layer epoxy pulp, internally braced cabinet; solid-oak end pieces. Power handling 200 W cont avg; FR 32-20,000 Hz  $\pm 2$  dB; sens 89 dB SPL/W/m; imp 8 ohms. 12 x 47 x 12 in ..... \$1,450/pr

#### Model .7 2-Way Speaker

Contoured-port design with 8-in woofer and 1-in dome tweeter. Features computer-matched time-alignment; epoxy pulp, internally braced cabinet. FR 37-19,000 Hz  $\pm 2$  dB; imp 8 ohms; power handling 150 W cont avg; sens 90 dB SPL/W/m. 12 x 28 x 12 in;

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37 lb ..... \$880/pr  
 Matching stands ..... \$195/pr

## Model 5 2-Way Speaker

Bookshelf design with 8-in woofer and 1-in dome tweeter in epoxy pulp cabinet. FR 45-20,000 Hz  $\pm$  3 dB; nom imp 8 ohms; power handling 150 W cont avg; sens 90 dB SPL/W/m ..... \$650/pr

## FOSGATE-AUDIONICS

### THX-Certified Series

The following system and components can be purchased as a complete package for \$8,500.

### MC220 Surround Speaker System

3 satellites, each featuring 2nd-order crossover with 2 midbasses and 2 tweeters; 3rd satellite for center-channel. For use with FS200 subwoofer via active crossover or THX-certified processor/controller. FR 60-22,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 10 1/2 x 24 x 14 in; 40 lb ..... \$4,800

### SD180 Surround Speaker

Dipole, THX-certified design. Wall mountable. FR 80-18,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m. 14 x 22 x 8 1/2 in; 23 lb ..... \$1,850/pr

### FS400 Subwoofer

Subwoofer with 14-in driver. FR 20-80 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 8 ohms. 24 x 24 x 13 1/2 in; 85 lb ..... \$950

### Architectural Speakers

#### AS-802 2-Way In-Wall Speaker

Sealed, flush-mount speaker with 8-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Designed for center-channel or full-system applications. Features crossover with air-core inductor, 250-V, low-loss film capacitors, and 18-dB/oct slope. Tweeter-level control. FR 40-22,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms ..... \$995/pr

**DS-802.** Free-standing version of above. Black-lacquered-oak, natural-oak, or walnut finish. 10 1/2 x 19 x 12 in; 25 lb ..... \$695/pr

#### LF-212 Subwoofer

12-in polypropylene woofer with dual voice coils. Bypassable crossover. FR 22-100 Hz; imp 4 ohms. 18 x 20 x 18 in; 48 lb ..... \$595

#### AS-602 2-Way In-Wall Speaker

6 1/4-in polypropylene woofer/midrange and 1-in soft-dome tweeter. Crossover with air-core inductors. Auto-reset tweeter protection. Power handling 100 W; FR 75-22,000 Hz. 8 1/2 x 12 x 2 3/4 in ..... \$299/pr

#### AS-502 2-Way In-Wall Speaker

5 1/4-in polypropylene woofer and 3/4-in Mylar-dome tweeter. Designed for surround and extension applications; weather resistant. Power handling 75 W; FR 85-18,000 Hz. 7 1/2 x 11 x 2 1/2 in ..... \$229/pr

## FRIED

### D/2 Subwoofer/Satellite System

2 pyramid-shaped satellites with 6 1/2-in full transmission-line-loaded woofer and 3/4-in dome tweeter; column style, transmission-line cabinet with 8-in dual-voice-coil subwoofer. Fuse protection. Power handling 250 W cont avg; FR 18-22,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oak or walnut finish. Satellite: 10 1/2 x 13 1/2 x 15 1/2 in. Subwoofer: 10 1/2 x 36 x 15 1/2 in ..... \$4,490

**D/2 Subwoofer.** As above, without satellite. Power handling 200 W cont avg. Oak or walnut finish. 10 1/2 x 36 x 15 1/2 in ..... \$2,746/pr  
 Kit form ..... \$750

**O/4 Subwoofer Kit.** As D/2, with 10-in driver. FR 18 Hz  $\pm$  3 dB. 13 1/2 x 36 x 23 in ..... \$875

### G/3 3-Way Speaker

Transmission-line design with 10-in polypropylene woofer, 6 1/2-in midrange, and 3/4-in dome tweeter.

Series crossover networks and duocone drivers. Power handling 200 W cont avg; FR 23-22,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Walnut or oak finish. 16 x 44 x 18 in; 100 lb ..... \$3,090/pr

### Studio 5 3-Way Speaker

Transmission-line design with 8-in polypropylene woofer with vented pole piece, 6 1/2-in polypropylene midrange with vented pole piece, and 3/4-in dome tweeter. Power handling 250 W cont avg; FR 20-22,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 12 x 38 x 18 in; 70 lb ..... \$2,750/pr

### C/3-L 2-Way Speaker

Pyramid-shaped cabinet with 6 1/2-in transmission-line-loaded woofer and 3/4-in dome tweeter. Series networks. Power handling 250 W cont avg; FR 60-22,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Oak or walnut finish. 10 1/2 x 13 1/2 x 15 1/2 in; 20 lb ..... \$1,744/pr  
**C/3-L Kit.** As above, kit form ..... \$512

### R/4 3-Way Speaker

10-in polypropylene woofer with vented pole piece, 5 1/4-in polypropylene midrange with vented pole piece, and 1-in dome ferrofluid-damped tweeter. Features tilt-back pedestal. Power handling 200 W cont avg; FR 32-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 12 x 32 x 10 1/2 in; 56 lb ..... \$1,196/pr

### A/3a 2-Way Speaker

Vented design 8-in polypropylene woofer and 1-in dome tweeter. Multi-layer damping. Power handling 100 W cont avg; FR 32-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Walnut-veneer finish. 13 x 23 x 10 1/2 in ..... \$718/pr

### Q/4 2-Way Speaker

Vented design 8-in polypropylene woofer and 1-in dome tweeter. Multi-layer damping. Power handling 100 W cont avg; FR 37-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Walnut or black-ash vinyl. 10 3/4 x 20 x 9 in ..... \$518/pr

### Beta IV 2-Way Bookshelf Speaker

Vented design with 6 1/2-in polypropylene woofer and composite 2-in cone and 3/8-in dome tweeters. Series crossover. Available in walnut or black-ash finish. 8 x 13 1/2 x 8 in ..... \$390/pr

## GENESIS

### Genesis III 5-Way Speaker

Two 8-in polypropylene woofers, two 3-in titanium/silicon carbide midranges, and 1-in planar ribbon tweeter. Power handling 800 W max; FR 32-34,000 Hz  $\pm$  3 dB; crossover points 70, 250, 850, and 4,200 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Lacquered wood finish. 19 1/2 x 5 1/2 x 16 1/2 in; 145 lb ..... \$6,000  
**Genesis III.** As above, piano-black finish ..... \$5,800

### IM-8300FW 3-Way Speaker

8-in polypropylene woofer, 3-in titanium/silicon carbide midrange, and 1-in planar ribbon tweeter. Power handling 400 W max; FR 44-34,000 Hz; crossover points 560 and 4,100 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Italian rosewood finish. 75 lb ..... \$2,700  
**IM-8300F.** As above, piano-black finish ..... \$2,500  
**IM-8300.** As 8300F, bookshelf version ..... \$1,900

### IM-8200FW 2-Way Speaker

1-in planar ribbon tweeter and 8-in polypropylene woofer. Power handling 400 W max; FR 52-34,000 Hz; crossover point 3,600 Hz; sens 86 dB SPL/W/m; imp 4 ohms. Italian rosewood finish. 60 lb ..... \$2,000  
**IM-8200F.** As above, piano-black finish ..... \$1,800  
**IM-8200.** As 8200F, bookshelf version ..... \$1,300

### Servo-12 Subwoofer

12-in polypropylene/Kevlar driver with 275-W power amp. Features balanced differential inputs; continuously-variable phase (0° to 180°) and crossover (40-160 Hz) adjustments. Power handling 275 W; distortion 0.2% ..... \$1,695  
**Servo-10.** As above, 10-in driver, 150-W amp ..... \$895

### IM-5200 2-Way Speaker

1-in planar ribbon tweeter and 5-in polypropylene woofer. Power handling 200 W max; FR 77-34,000 Hz; crossover point 3,700 Hz; sens 85 dB SPL/W/m; imp 4 ohms. Piano-black finish. 80 lb ..... \$900

### Genre 2-Way Speaker

1-in ribbon tweeter and 6 1/2-in woofer. FR 40-32,000 Hz  $\pm$  2 dB. Black ash finish ..... \$800

## GEODES

### GEODE-Epic 2-Way Bookshelf Speaker

8-in woofer with rubber surround and 1-in cloth-dome tweeter. FR 40-20,000 Hz  $\pm$  3 dB; sens 91 dB; max SPL 108 dB; imp 6 ohms; crossover point 3,200 Hz. Black-oak or golden-oak finish. 19 x 12 x 10 in; 27 lb ..... \$499/pr

### GEODE-Pulse 2-Way Bookshelf Speaker

6 1/2-in woofer with rubber surround and 1-in cloth-dome tweeter. FR 47-20,000 Hz  $\pm$  3 dB; sens 90 dB; max SPL 108 dB; imp 6 ohms; crossover point 3,200 Hz. Black-oak or golden-oak finish. 16 x 10 x 8 in; 19 lb ..... \$349/pr

## GNP

The following are available with an oak, walnut, or black finish.

### Valkyrie 4-Way Speaker

Sealed design with two 6 1/2-in woofers, 2-in dome midrange, and 1-in dome tweeter. Features level controls for midrange and tweeter. Power handling 50 W min; FR 34-24,000 Hz  $\pm$  3 dB; sens 90 SPL/W/m; imp 12 ohms; crossover points 125, 800, and 3,000 Hz. 12 x 48 1/2 x 14 1/2 in; 48 lb ..... \$1,995/pr

### Model 25 3-Way Speaker

Sealed design with 6 1/2-in woofer, 2-in dome midrange, and 1-in dome tweeter. FR 58-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 800, 3,000 Hz. 9 x 18 x 8 1/2 in; 24 lb ..... \$799/pr

### Model 10 2-Way Speaker

Sealed design with 6 1/2-in woofer and 1-in dome tweeter. Tweeter-level control. FR 68-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 8 x 12 x 7 in; 15 lb ..... \$399/pr

### Model 5 2-Way Speaker

Sealed design with 5 1/4-in cone woofer and 1-in dome tweeter. Features tweeter-level control. FR 100-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz ..... \$299/pr

### Subwoofers

#### Model 2 Subwoofer

Sealed design with two 6 1/2-in woofers. Power handling 30 W min; FR 34-125 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 12 ohms; crossover point 125 Hz. 12 x 25 x 14 1/4 in; 48 lb ..... \$600/pr

#### Model 1 Subwoofer

Sealed design with 8-in woofer. Power handling 20 W min; FR 40-125 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 125 Hz. 12 x 25 x 11 1/2 in; 36 lb ..... \$450/pr

## GOLDMUND

The following feature a 3-year parts-and-labor warranty.

### Apologue Speaker System

Limited production system (300) with 5 enclosures per ch. Features 4-level, 700-element passive crossovers; electronically time-aligned drivers; pseudo-infinite-baffle design that cancels more than 98% of back-radiated energy; mechanical grounding system; biamp terminals. Min power 100 W; sens 100 dB. Black lacquer finish. 32 7/8 x 72 1/4 x 44 7/8 in; 1,437 lb ..... \$75,000/pr



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## Super-Dialogue 3-Way Speaker

10-in double-magnet woofer, 7-in double-magnet midrange, glass-fiber inverted-dome tweeter. Mechanical grounding to reduce vibration; Internal crossover; electronic component storage area. Power handling 100 W max; sens 96 dB SPL/W/m; Imp 4-6 ohms. Removable lacquer-finish panels. 15 x 48 x 18 1/2 in; 150 lb ..... \$12,000/pr

## GOLD SOUND

*The following kits include speaker components, crossovers, and assembly instructions. Gold Sound kits are available through mail order and have a 30-day money-back guarantee and a 2-year limited warranty. JBL kit parts have a 5-year warranty. Cabinets are oak veneer on MDF.*

### Model 14 4-Way Speaker Kit

All JBL, vented design with 18-in woofer, 10-in mid-bass, titanium-horn midrange, and biradial-horn tweeter. Separate midrange and tweeter controls. FR 25-21,000 Hz  $\pm$  3 dB; sens 95 dB; crossover points 150, 1,200, and 5,000 Hz ..... \$2,700/pr  
With 29 x 46 x 19 in cabinet ..... \$3,570/pr

### Model 11 3-Way Speaker Kit

All JBL drivers: 15-in woofer, 8-in midrange, and biradial-horn tweeter. Features level controls for upper drivers. Power handling 300 W cont avg; sens 93 dB SPL/W/m; crossover points 200 and 5,000 Hz; Imp 8 ohms; horizontal and vertical dispersion 100° at 20,000 Hz ..... \$1,540/pr  
With 18 x 44 x 14 in cabinet ..... \$2,070/pr

### Model 10 3-Way Speaker Kit

Vented design with 15-in JBL woofer, 8-in midrange, and dome tweeter. Power handling 300 W cont avg; FR 28-25,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; crossover points 300, 5,000 Hz; imp 8 ohms ..... \$1,400/pr  
With 18 x 44 x 14 in cabinet ..... \$1,970/pr

### Model 9PRO+ 3-Way Speaker Kit

15-in JBL woofer, 7-in cast-frame midrange, and ferrofluid-cooled horn tweeter. Power handling 600 W; FR 49-20,000 Hz  $\pm$  3 dB; sens 97 dB SPL/W/m; max SPL 125 dB; crossover points 300 and 5,000 Hz; imp 8 ohms ..... \$999/pr  
With 28 x 16 x 14 in cabinet ..... \$1,298/pr

### Model 9PRO 3-Way Speaker Kit

15-in JBL woofer, 6 1/2-in cast-frame midrange, and ferrofluid-cooled linen-dome tweeter. Power handling 300 W; FR 35-20,000 Hz  $\pm$  3 dB; sensitivity 93 dB SPL/W/m; crossover points 300 and 5,000 Hz; impedance 8 ohms ..... \$999/pr  
With 16 x 28 x 14 in cabinet ..... \$1,298/pr

### Model 8 4-Way Speaker Kit

Two 12-in woofers, two Dynaudio midranges, and linen-dome tweeter. Power handling 600 W cont; frequency response 28-25,000 Hz  $\pm$  3 dB; sens 98 dB SPL/W/m; crossover points 60, 200, and 4,000 Hz; imp 8 ohms ..... \$999/pr  
With 18 x 44 x 17 in cabinet ..... \$1,569/pr

### Model 7 3-Way Speaker Kit

Two 12-in polypropylene woofers, 6 1/2-in cast-frame midrange, 1-in dome tweeter, and ribbon super-tweeter. Power handling 400 W cont; FR 28-40,000 Hz; sens 95 dB SPL/W/m; crossover points 50, 300, and 2,000 Hz; Imp 4/8 ohms ..... \$929/pr  
With 18 x 44 x 14 in cabinet ..... \$1,499/pr

### Model 9 3-Way Speaker Kit

15-in woofer, 6 1/2-in midrange, and ferrofluid-cooled linen-dome tweeter. Power handling 200 W; FR 39-20,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; crossover points 300 and 5,000 Hz; imp 4/8 ohms ..... \$699/pr  
With 16 x 28 x 14 in cabinet ..... \$998/pr

### Model 5 3-Way Speaker Kit

Two 12-in woofers, two symmetrical 6 1/2-in cast mid-ranges, and aluminum tweeter. Power handling 200 W cont; FR 36-25,000 Hz; sens 93 dB SPL/W/m;

crossover points 70, 250, and 3,000 Hz; imp 4/8 ohms ..... \$629/pr  
With 14 x 37 x 11 in cabinet ..... \$959/pr

### Model 4 3-Way Speaker Kit

12-in polypropylene dual-voice-coil woofer, two 6 1/2-in polypropylene midranges, and ferrofluid-cooled 1-in dome tweeter. Power handling 200 W cont; FR 36-25,000 Hz  $\pm$  3 dB; sens 93 SPL/W/m; crossover points 70, 250, and 3,000 Hz; imp 4/8 ohms ..... \$569/pr  
With 14 x 37 x 11 in cabinet ..... \$899/pr

### Model 6 3-Way Speaker Kit

8-in polypropylene woofer, 4 1/2-in polypropylene mid-range, and ferrofluid-cooled linen-dome tweeter. Power handling 300 W cont; FR 32-30,000 Hz; sens 92 dB SPL/W/m; crossover points 60, 300, and 3,000 Hz; imp 4/8 ohms ..... \$549/pr  
With 14 x 45 x 11 in cabinet ..... \$989/pr

### Model 3 3-Way Speaker Kit

12-in polypropylene woofer, 5 1/4-in polypropylene midrange, and 1-in dome tweeter. FR 38-30,000 Hz  $\pm$  3 dB; sens 93 SPL/W/m; power handling 200 W cont; crossover points 80, 200, and 4,000 Hz; imp 4/8 ohms ..... \$499/pr  
With 14 x 25 x 11 in cabinet ..... \$729/pr

### Model C 2-Way Speaker Kit

Two Dynaudio 6-in woofers and 1-in ferrofluid-cooled linen-dome tweeter. Power handling 300 W cont; sens 93 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms ..... \$449/pr  
With 12 x 19 x 10 in cabinet ..... \$584/pr

### Model 2 3-Way Speaker Kit

8-in polypropylene woofer, 4-in midrange, and ferrofluid-cooled titanium-dome tweeter. Power handling 100 W cont; FR 39-25,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; crossover points 90, 200, and 4,000 Hz; imp 4/8 ohms ..... \$449/pr  
With 12 x 19 x 10 in cabinet ..... \$584/pr

### Model B 2-Way Speaker Kit

Sealed design with 6 1/2-in Dynaudio woofer and 1-in ferrofluid-cooled linen-dome tweeter. FR 58-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms ..... \$299/pr  
With 10 x 16 x 8 in cabinet ..... \$399/pr

### Model A 2-Way Speaker Kit

Sealed design with 5 1/4-in Dynaudio woofer and 3/4-in Dynaudio ferrofluid-cooled dome tweeter. Power handling 130 W cont; FR 72-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms ..... \$283/pr  
With 8 x 12 x 7 in cabinet ..... \$368/pr

### Model .8 2-Way Speaker Kit

Sealed design with two 4-in polypropylene woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 100 W; FR 62-20,000 Hz; sens 89 dB SPL/W/m; crossover 3,000 Hz; imp 4/8 ohms ..... \$249/pr  
With 8 x 16 x 7 in cabinet ..... \$354/pr

### Model 1 2-Way Speaker Kit

8-in polypropylene woofer and 2-in ferrofluid-cooled tweeter. Power handling 100 W cont; FR 41-20,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms ..... \$149/pr  
With 12 x 19 x 10 in cabinet ..... \$274/pr

### Model .6 2-Way Speaker Kit

Sealed design with 6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 60 W; FR 58-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; crossover 3,000 Hz; imp 4/8 ohms ..... \$129/pr  
With 10 x 16 x 7 in cabinet ..... \$229/pr

### Model .2 2-Way Speaker Kit

Sealed design with 5 1/4-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 60 W cont; FR 68-20,000 Hz; sens 91 dB SPL/W/m; crossover 3,000 Hz; imp 4/8 ohms ..... \$99/pr  
With 8 x 12 x 7 in cabinet ..... \$184/pr

## Subwoofer Kits

### 18-Inch Subwoofer Kit

Compound-loading design with two 18-in JBL drivers. Power handling 1,200 W cont; FR 23-200 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m ..... \$784  
With adjustable 24-dB/oct crossover ..... \$1,192

### 15-Inch Subwoofer Kit

Compound-loading design with two 15-in JBL drivers. Power handling 600 W cont; FR 23-200 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms ..... \$488  
18 x 44 x 14 in cabinet for above ..... \$249  
With 24-dB/oct active crossover ..... \$859

### 18-Inch Subwoofer Kit

8-in JBL driver. Power handling 300 W cont; FR 24-150 Hz  $\pm$  3 dB; sens 95 dB SPL/W/m ..... \$409

### 15-Inch Subwoofer Kit

15-in JBL cast-frame driver. Power handling 300 W cont; FR 33-150 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; imp 4/8 ohms ..... \$259  
With 18 x 44 x 14 in cabinet ..... \$498

### 12-Inch Subwoofer Kit

12-in dual-voice-coil driver. Power handling 120 W; FR 34-200 Hz; sens 92 dB SPL/W/m ..... \$199  
With 18 x 18 x 16 in cabinet ..... \$299

### 12-Inch Subwoofer Kit

Compound-loading design with two 12-in drivers and 150-Hz passive crossover. Power handling 300 W cont; FR 25-200 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 4/8 ohms ..... \$189  
With 18 x 18 x 16 in cabinet ..... \$449

## AV Series

*The following are magnetically shielded. In-wall cabinets are optional.*

### CAV 2-Way Speaker Kit

Two 6 1/2-in Dynaudio polypropylene woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 300 W rms; FR 58-20,000 Hz; sens 92 dB SPL/W/m; crossover point 3,000 Hz; imp 4 ohms ..... \$529/pr  
With 16 x 20 x 4 in cabinet ..... \$699/pr

### BAV 2-Way Speaker Kit

6 1/2-in Dynaudio polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 150 W rms; FR 58-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms ..... \$289/pr  
With 16 x 20 x 4 in cabinet ..... \$399/pr

### AV Stereo Subwoofer Kit

Two 10-in drivers. Power handling 360 W; FR 26-200 Hz; sens 92 dB SPL/W/m; imp 8 ohms ..... \$249  
With 44 x 18 x 17 oak-veneer cabinet ..... \$499  
12-dB passive crossover for above ..... \$89

### Model .9AV 2-Way Speaker Kit

Two 5 1/4-in polypropylene woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 140 W; FR 41-20,000 Hz; sens 92 dB SPL/W/m; crossover point 3,000 Hz; imp 4 ohms ..... \$239/pr  
With 16 x 20 x 4 in cabinet ..... \$359/pr

### Model .6AV 2-Way Speaker Kit

6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 80 W; FR 44-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms ..... \$169/pr  
With 16 x 20 x 4 in cabinet ..... \$289/pr

### Model .2AV 2-Way Speaker Kit

5 1/4-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 70 W; FR 49-20,000 Hz; sens 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms ..... \$129/pr  
With 12 x 16 x 4 in cabinet ..... \$229/pr

### AV Mono Subwoofer Kit

10-in driver. Power handling 180 W; FR 28-200 Hz; sens 89 dB SPL/W/m; imp 8 ohms ..... \$129

# S P E A K E R S

With 28 x 16 x 14 in oak-veneer cabinet ..... \$299  
Passive 12-dB/oct crossover for above ..... \$89

## In-Wall Series

The following feature flush-mount design, water-resistant polypropylene cones, and round or square paintable grilles; acoustic chambers are optional.

### Model 9AVCX 2-Way In-Wall Speaker

9-in woofer with 3-in voice coil and 1-in ferrofluid-cooled dome tweeter. Phase alignment; magnetic shielding. Power handling 220 W; FR 32-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms; 60° dispersion  $\pm 3$  dB to 15,000 Hz ..... \$234

### Model 8AC 2-Way In-Wall Speaker

8-in woofer and 2-in polypropylene ferrofluid-cooled dome tweeter. Power handling 100 W cont; FR 32-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms; 60° dispersion  $\pm 3$  dB to 15,000 Hz ..... \$134

### Model 824 In-Wall Subwoofer

8-In driver with 20-oz magnet. Features dual voice coils. Power handling 100 W cont; FR 32-2,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 4 ohm per coil. Includes grilles ..... \$99  
Model 828. As above, imp 8 ohms/coil ..... \$99

### Model 8C 2-Way In-Wall Speaker

8-in woofer and 1/4-in ferrofluid-cooled polyimide-dome tweeter. Power handling 70 W cont; FR 40-25,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; crossover point 4,000 Hz; imp 4/8 ohms; 60° dispersion  $\pm 3$  dB to 16,000 Hz. Includes grilles ..... \$99

## GUSS ENTERPRISES

### Custom Monitor Speaker System

204 drivers in 8 enclosures: twenty-four 15-in woofers, forty-eight 5-in midranges, thirty-two 1-in tweeters, 100 custom piezoelectric supertweeters. Power handling 900 W cont. 4 cabinets 60 x 72 x 24 in; 2 cabinets 20 x 72 x 14 in ..... \$100,000

### System 1-Guss Monitor Speaker System

102 drivers in 4 enclosures: twelve 15-in cone woofers, twenty-four 5-in dual-diaphragm dome midranges, sixteen 1-in dome tweeters, 50 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, satellite. FR 15-30,000 Hz  $\pm 3$  dB; power handling 600 W; sens 92 dB SPL/W/m; imp 6 ohms. Walnut or oak. 2 cabinets 38 x 72 x 24 in; 2 cabinets 20 x 72 x 14 in; 800 lb ..... \$50,000

### System 2B-Symphony Speaker System

26 drivers in 4 enclosures with 3-D Focus control: four 15-in cone woofers, six 5-in dual-diaphragm dome midranges, four 1-in dome tweeters, 12 custom piezoelectric supertweeters. Controls for midrange, tweeter, 3-D Focus, rear-ambience, and satellite. FR 20-30,000 Hz  $\pm 3$  dB; power handling 300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut or oak finish. 2 cabinets 22 x 54 x 20 in; 2 cabinets 8 x 25 x 8 in; 365 lb ..... \$15,000

### System 3-Concerto Speaker System

22 drivers in 4 enclosures: four 12-in cone woofers, six 5-in dual-diaphragm dome midranges, four 1-in dome tweeters, 8 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, and satellite. FR 30-30,000 Hz  $\pm 3$  dB; power handling 300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut or oak finish. 2 cabinets 24 x 54 x 20 in; 2 cabinets 8 x 25 x 8 in; 355 lb ..... \$9,000

### System-5 Monitor Speaker System

14 drivers in 4 enclosures: two 15-in woofers, two 1-in dome tweeters, two 5-in dual-diaphragm dome midranges, 8 custom piezoelectric supertweeters. Controls for midrange, tweeter, satellite. FR 25-30,000 Hz  $\pm 3$  dB; imp 4 ohms. Walnut or oak finish available. 2 cabinets 18 x 30 x 15 in; 2 cabinets 6 x 6 x 12 in; 200 lb ..... \$6,000

### System 4-Sonata Speaker System

12 drivers in 4 enclosures: two 12-in woofers, two 1-in dome tweeters, two 5-in dual-diaphragm dome midranges, 6 custom piezoelectric supertweeters. Controls for midrange, tweeter, satellite. FR 30-30,000 Hz  $\pm 4$  dB, power handling 200 W; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or oak. 2 cabinets 17 x 28 x 15 in; 2 cabinets 6 x 6 x 12 in; 145 lb \$4,000

## HALES AUDIO

### System I Reference 2-Way Speaker

Sealed-box design with 11-in woofer, two 2-in titanium dome midranges, and 1-in inverted ceramic dome tweeter. FR 28-34,000 Hz; sens 88 dB SPL/W/m. 52 x 13 x 24 in; 270 lb ..... \$16,000/pr

### System II Signature 2-Way Speaker

Sealed design with two 7-in midranges and 1-in titanium tweeter. Features computer-optimized, biwireable crossover network with polypropylene capacitors and 14-gauge air-core inductors. Crossover housed in external, sand-filled, and spiked enclosure. FR 40-26,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 2,000 Hz. 11 x 48 x 21 in; 181 lb ..... \$5,900/pr

### System II 2-Way Speaker

Sealed design with two 7-in midbass and 1-in titanium-dome tweeter. Features computer-optimized, biwireable crossover network with polypropylene capacitors and 14-gauge air-core inductors. FR 45-26,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 2,000 Hz. 11 x 38 x 16 in; 92 lb ..... \$3,300/pr

## HARMAN KARDON

The following feature perforated cabinet dividers designed to minimize coloration.

### Sixty 3-Way Speaker

Ported design with two 8-in graphite/polypropylene woofers, 3-in midrange, and 3/4-in aluminum-alloy tweeter. Features aluminum voice-coil formers; ferrofluid-cooled tweeter; Linkwitz-Riley crossover. Power handling 200 W max; FR 30-20,000 Hz  $\pm 2$  dB; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover points 500 Hz and 2,800 Hz. Black piano-lacquer finish. 18 1/2 x 50 x 11 1/2 in; 100 lb ..... \$3,198/pr

### Fifty 3-Way Speaker

Ported design with 8-in polypropylene woofer, 8-in midrange, and 1-in aluminum-alloy tweeter. Features Kapton voice-coil formers; ferrofluid-cooled tweeter; Linkwitz-Riley crossover. Power handling 150 W max; FR 35-20,000 Hz  $\pm 2$  dB; sens 91 dB SPL/W/m; nom imp 6 ohms; crossover points 400 Hz and 2,500 Hz. Black piano-lacquer finish. 16 x 43 x 12 in; 75 lb ..... \$2,198/pr

### Forty 2-Way Speaker

Ported design with two 6 1/2-in woofers and 1-in polyimide-dome tweeter. Aluminum voice-coil formers; ferrofluid-cooled tweeter; 4th-order asymmetrical Butterworth crossover. Power handling 95 W max; FR 40-20,000 Hz  $\pm 2$  dB; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. Black piano-lacquer finish. 14 x 37 1/2 x 10 in; 52 lb ..... \$1,398/pr

### Thirty 2-Way Speaker

Ported design with 8-in polypropylene woofer and 1-in polyimide-dome tweeter. Features Kapton voice-coil formers; ferrofluid-cooled tweeter; Linkwitz-Riley crossover. Power handling 85 W max; FR 45-20,000 Hz  $\pm 2$  dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. Black piano-lacquer finish. 9 1/2 x 23 x 10 1/2 in; 57 lb ..... \$898/pr

### Twenty 2-Way Speaker

Ported design with 6 1/2-in woofer and 3/4-in polyimide dome tweeter. Aluminum voice-coil formers; ferrofluid-cooled tweeter; 4th-order asymmetrical Butterworth crossover. Power handling 70 W max; FR 50-20,000 Hz  $\pm 2$  dB; sens 87 dB SPL/W/m; nom imp 6

ohms; crossover point 2,200 Hz. Black piano-lacquer finish. 8 1/2 x 19 x 10 in; 43 lb ..... \$658/pr

### Ten 2-Way Speaker

Ported design with 5 3/8-in woofer and 3/4-in polyimide dome tweeter. Aluminum voice-coil formers; ferrofluid-cooled tweeter; 4th-order asymmetrical Butterworth crossover. Power handling 50 W max; FR 65-20,000 Hz  $\pm 2$  dB; sens 86 dB SPL/W/m; nom imp 6 ohms; crossover point 3,300 Hz. Black piano-lacquer finish. 7 x 12 1/2 x 8 1/2 in; 24 lb ..... \$458/pr

## HARTLEY

### The Reference 4-Way Speaker

24-in woofer, 10-in midrange, and two 7-in tweeters. Crossover points 125, 3,000, and 8,000 Hz; FR 16-25,000 Hz; power handling 300 W cont avg; imp 5-8 ohms. Wood cabinet with removable knit grille. 36 x 50 1/4 x 24 in ..... \$7,295/pr  
The Concertmaster. As above, 18-in woofer, black grille. 29 x 41 1/2 x 18 in ..... \$6,095/pr

### The Reference Tower 2-Way Speaker

Four 6 1/2-in thermoplastic woofers and four 1-in dome tweeters. Crossover point 3,600 Hz; power handling 300 W cont avg; imp 4 ohms at 100 Hz; FR 24-25,000 Hz. Wood cabinet with removable knit grille. 44 1/2 x 17 1/2 x 18 in ..... \$1,500/pr  
Mini-Tower. As above, two 6 1/2-in thermoplastic woofers and 1-in dome tweeter. Crossover point 3,100 Hz; power handling 150 W cont; imp 4 ohms; FR 32-25,000 Hz ..... \$695/pr  
The Compact Reference. As above, crossover point 5,000 Hz; power handling 100 W; imp 8 ohms; FR 25-45,000 Hz. 13 1/2 x 17 1/2 x 13 1/2 in ..... \$400/pr

### Subwoofers

Cabinets are constructed with oak and walnut veneers and a 3/4-in cellulose internal lining.

### SW-24 Subwoofer

Infinite-baffle enclosure. Power handling 300 W cont avg; imp 5 ohms; FR to 16 Hz  $\pm 3$  dB. 36 x 50 1/4 x 22 in; 250 lb ..... \$1,495

### SW-18 Subwoofer

Infinite-baffle enclosure. Power handling 300 W cont avg; imp 5 ohms; FR to 16 Hz  $\pm 4$  dB. 29 x 41 1/2 x 18 in; 150 lb ..... \$1,100

### SW-10 Subwoofer

Air-column enclosure. Power handling 100 W cont avg; imp 6 ohms; FR to 25 Hz  $\pm 3$  dB. 18 x 24 x 18 in; 70 lb ..... \$550

## HECO

### Llbero Subwoofer/Satellite System

Bass-reflex enclosure with two 7-in woofers and 2 satellites, each with 1/4-in midrange and 3/4-in dome tweeter. Power handling 60 W cont avg; FR 28-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 120 and 3,000 Hz. Satellites: black or white die-cast cabinet, 4 3/8 x 7 1/4 x 4 3/8 in. Subwoofer: black or white ash finish, 22 x 8 3/8 x 13 1/4 in ..... \$649  
Legato Satellite. As above, satellite only. Power handling 50 W cont avg; FR 80-30,000 Hz; crossover point 3,000 Hz ..... \$299/pr

### Superior Series

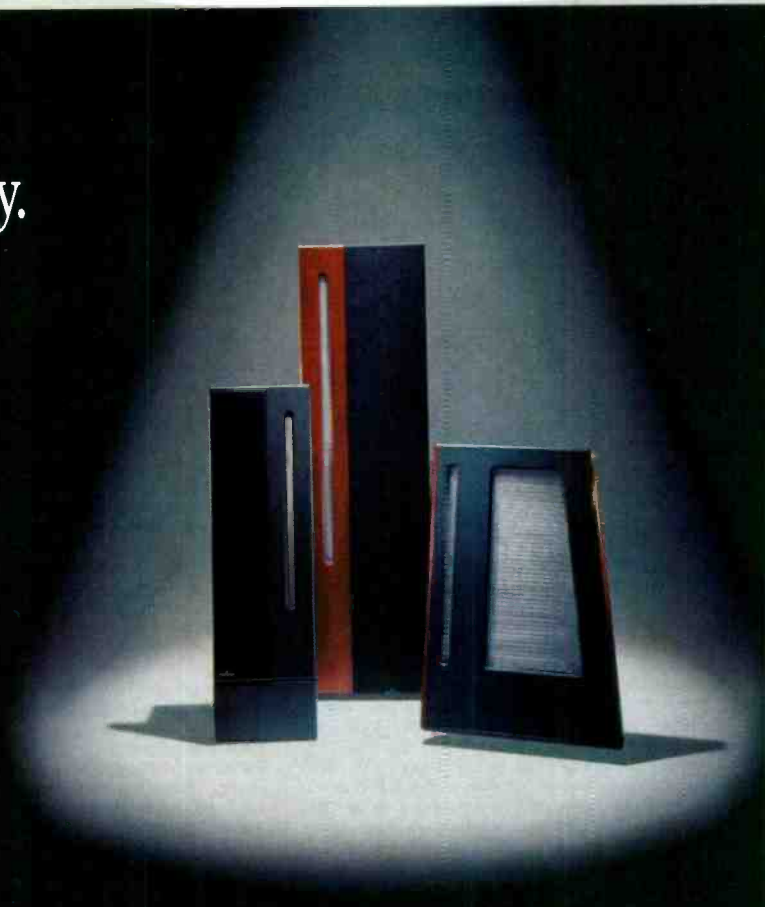
### Concerto Grosso 3-Way Speaker

3/4-in aluminum-manganese dome tweeter, two 6 3/4-in polypropylene midranges, and three 8 7/8-in woofers in hexagon-shaped cabinet. Biamp/biwire terminals. Power handling 250 W cont avg; FR 16-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 150 and 2,900 Hz. Walnut, oak, black, white, or piano veneered finish. 18 3/8 x 6 1/4 x 16 5/8 in ..... \$4,999/pr

### Fortissimo 950 3-Way Speaker

3/4-in dome tweeter, two 5-in midranges, two 9-in woofers. Biamp/biwire terminals. Power handling

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*"Once you hear the seamless transparency of the ribbon, it may be difficult to go back to listening to cone and dome drivers."*

Robert Harley-  
Stereophile-Vol. 15 No. 1, Jan. '92

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For more information and a dealer nearest you, call Apogee Acoustics, Inc. at (617) 963-0124.



# S P E A K E R S

frequency response 29-45,000 Hz; sensitivity 89 dB SPL/W/m; impedance 4 ohms; crossover points 80, 800, and 4,500 Hz. Black vinyl finish with black grille. 22 x 60 x 8 in; 240 lb ..... \$2,698/pr  
**8 Kappa.** 4-way version of above with one 12-in woofer. Min power handling 50 W; FR 33-45,000 Hz. 21 x 48 x 8 in; 176 lb ..... \$1,798/pr

### Modulus Powered Subwoofer

12-in graphite woofer; 200-W servo-driven amp. Separate subwoofer control box includes variable low-frequency cutoff, 2-position rumble filter, low-frequency-level control; phase switch; active high-pass satellite control. Frequency response 22-200 Hz + 0, -3 dB. Piano finish with black grille. 18 x 19 x 18 in; 80 lb ..... \$2,000

### 7 Kappa Reference Standard 3-Way Speaker

12-in woofer, 3-in dome midrange, and EMIT k tweeter. Monster Cable internal wiring. Min power 40 W; FR 37-45,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 800 and 4,500 Hz. 17 x 37 x 12 in; 138 lb ..... \$1,298/pr

### Modulus 2-Way Bookshelf Speaker

Sealed design with 5-in graphite woofer and EMIT tweeter. Can be mounted on wall or pedestal. Includes wall bracket/self-damping isolation mounting plate. Tweeter control. Min power 25 W; FR 82-45,000 Hz + 0, -3 dB; sens 84 SPL/W/m; imp 4 ohms; crossover point 4,000 Hz. Optional lacquer finish, black-knit grille. 7 x 12 x 11 in; 30 lb \$1,000/pr  
**Pedestal.** 25-in pedestal for above ..... \$300/pr  
**Wall Brackets** ..... \$129/pr

### 6 Kappa Reference Standard 3-Way Speaker

10-in woofer. Monster Cable internal wiring. Min power 30 W; FR 39-45,000 Hz. 15 x 25 x 10 1/2 in; 84 lb ..... \$998/pr  
**Kappa Pedestal.** Pedestal base for above ..... \$129/pr

### SSW-10 Servo Subwoofer

Ported design with 10-in driver. Features level control. FR 40-260 Hz ± 3 dB; crossover point 50-200 Hz. Black vinyl finish with black cloth grille. 13 x 13 x 13 in; 34 lb ..... \$649

### IRS Series

#### IRS Series V Reference Powered Speaker System

Modular 4-piece, 3-way design. Features 2 bass modules, each with six 12-in woofers in feedback loop with two 2,000-W servo amps; 2 midrange/tweeter modules, each with 12 midranges in dipole arrangement and 36 tweeters in dipole line-source array (24 front/12 rear-facing); variable low-pass filters; low-pass variable damping; woofer-level controls; selectable midrange/tweeter input control; woofer phase switch; bass-servo on/off switch; Monster Cable internal wiring. FR 16-44,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 70 and 5,000 Hz. Midrange/tweeter power input range 100-500 W/ch; imp 4 ohms; oiled and Brazilian rosewood finish; 100-ft cable for hookup of high-frequency drivers to midrange/tweeter amp. Santos finish, brown cloth grille. Woofer modules: 20 3/4 x 90 x 28 3/4 in. Midrange/tweeter modules: 47 x 90 x 17 in. Base footprint: 38 x 12 in. 1,550 lb ..... \$60,000

#### IRS Beta 5-Way Speaker System

Includes four servo-controlled 12-in woofers per side, each with polypropylene/graphite injection-molded cones; 2 upper bass midrange planar push-pull drivers that act as dipole; EMIT transducer for upper midrange; EMIT's from IRS V (in dipole configuration) for lower treble; SEMIT (smaller aperture EMIT) which extends response beyond 44 kHz. System is bi-amplified and includes IRS V servo control unit; active and passive crossover control. Monster Cable internal wiring. Min power 75 W; FR 25-44,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 70, 700, 4,000, and 8,000 Hz. Santos finish, black cloth grille. Woofer module: 16 1/2 x 64 3/4 x 14 1/2 in. Mid-tweeter module: 17 x 64 3/4 x 1 in. Base footprint: 18 x 17 in. 483 lb ..... \$11,950

### SM Series

#### SM 152 3-Way Speaker

Ported design with 15-in woofer, two 4 1/2-in cone midranges, and 1-in dome tweeter. Features high- and mid-level controls. Min power 10 W; FR 44-25,000 Hz ± 3 dB; sens 102 dB SPL/W/m; imp 8 ohms; crossover points 500 and 5,500 Hz. Vinyl finish, black grille. 18 x 40 x 13 in; 152 lb ..... \$1,198/pr

#### SM 122 3-Way Speaker

Ported design with 12-in woofer, 4 1/2-in cone midrange, and 1-in dome tweeter. Features front-mounted high- and mid-level controls. Min power 10 W; FR 49-25,000 Hz ± 3 dB; sens 100 dB SPL/W/m; imp 8 ohms; crossover points 750 and 5,500 Hz. Vinyl finish, black grille. 15 x 35 x 13 in; 132 lb ..... \$918/pr

#### SM 112 3-Way Speaker

Ported design with 10-in woofer, 4 1/2-in cone midrange, and 1-in dome tweeter. Features front-mounted high- and mid-level controls. Min power 10 W; FR 59-25,000 Hz ± 3 dB; sens 100 dB SPL/W/m; imp 8 ohms; crossover points 900 and 5,500 Hz. Vinyl finish, black grille. 14 x 30 x 13 in; 112 lb ..... \$738/pr

#### SM 102 2-Way Speaker

Ported design with 10-in woofer and 1-in dome tweeter. Min power 10 W; FR 65-25,000 Hz ± 3 dB; sens 100 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Vinyl finish, black grille. 12 x 21 x 12 in; 68 lb ..... \$558/pr

#### SM 82 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Min power 10 W; FR 72-25,000 Hz ± 3 dB; sens 98 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Vinyl finish, black grille. 11 x 18 x 11 in ..... \$448/pr

#### SM 62 2-Way Surround Speaker

Ported design with 6 1/2-in polypropylene woofer and 3/4-in dome tweeter. Power handling 100 W max; FR 78-25,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black, walnut, or rosewood vinyl finish, black cloth grille. 8 x 13 1/4 x 13 1/2 in; 26 lb ..... \$278/pr

### Reference Series

#### Reference Six 4-Way Speaker

Sealed-box design with 10- and 6-in woofers, 5-in cone midrange, and EMIT R tweeter. Min power handling 35 W; FR 35-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 200, 1,500, and 4,000 Hz. Black or oak vinyl finish, black cloth grille. 13 x 40 x 14 in; 132 lb ..... \$998/pr

#### Reference Five 3-Way Speaker

Sealed-box design with 10-in woofer, 5-in cone midrange, and EMIT R tweeter. Min power 25 W; FR 40-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 300 and 4,000 Hz. Black or oak vinyl finish, black cloth grille. 13 x 35 x 12 in; 106 lb ..... \$799/pr

#### Reference Four 3-Way Speaker

Sealed-box design with 8-in woofer, 5-in cone midrange, and EMIT R tweeter. Min power 25 W; FR 44-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 4,000 Hz. Black or oak vinyl finish, black cloth grille. 11 x 31 x 10 in; 82 lb ..... \$600/pr

#### Reference Three 3-Way Speaker

Sealed-box design with 8-in woofer, 5-in cone midrange, and 1-in dome tweeter. Min power 20 W; FR 47-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 3,500 Hz. Black or oak vinyl finish, black cloth grille. 11 x 22 x 10 in; 61 lb ..... \$449/pr

#### Reference Two 2-Way Speaker

Sealed-box design with 8-in woofer and 1-in dome tweeter. Min power 15 W; FR 50-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point

3,000 Hz. Black or oak vinyl finish, black cloth grille. 11 x 18 x 10 in; 51 lb ..... \$349/pr

### Reference One 2-Way Speaker

Sealed-box design with 6-in woofer and 3/4-in dome tweeter. Min power 10 W; FR 55-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 4,000 Hz. Black or oak vinyl finish, black cloth grille. 9 x 14 x 7 in; 30 lb ..... \$239/pr

### Reference E-L 2-Way Speaker

Sealed-box design with 5 1/4-in woofer and 1/2-in dome tweeter. Min power 10 W; FR 70-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover point 5,500 Hz. Black or oak vinyl finish, black cloth grille. 8 x 12 x 7 in; 18 lb ..... \$175/pr

### Environmental Reference Standard Series

#### ERS 820 2-Way In-Wall Speaker

8-in graphite woofer and EMIT k tweeter. Features tweeter-level control. Min power 20 W; FR 50-45,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 3,800 Hz. Beige ABS finish, metal grille. 11 x 16 x 4 in; 17 lb ..... \$580/pr

#### ERS 620 2-Way In-Wall Speaker

6-in graphite woofer and 3/4-in polyspherite dome tweeter. Features tweeter level control. Min power 15 W; FR 60-22,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 3,800 Hz. Beige ABS finish, metal grille. 9 x 18 x 4 in; 12 lb ..... \$340/pr

#### ERS 520 2-Way In-Wall Speaker

5 1/4-in coaxially-mounted woofer and 3/4-in cone tweeter. FR 75-22,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 6,000 Hz. Beige ABS finish, metal grille. 8 x 8 x 3 in; 10 lb ..... \$250/pr

#### ERS 420 In-Wall Speaker

4-in full-range driver. Power handling 30 W max; FR 90-15,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms. Beige ABS finish, metal grille. 7 x 7 x 2 3/8 in ..... \$180

### Infinitesimal Series

#### Infinitesimal Micro II Subwoofer/Satellite System

Subwoofer with two 6 1/2-in polypropylene-coated drivers, and 2 satellites, each with 4-in cone woofer and 1/2-in cone tweeter. Power handling 100 W max; FR 150-25,000 Hz (satellites), 40-150 Hz (subwoofer); sens 90 dB SPL/W/m; imp 4-6 ohms (satellites), 6 ohms (subwoofer); crossover point 5,000 Hz. Black or white finish. Satellite: 5 1/2-in diameter x 8 in. Subwoofer: 9 1/4 x 15 1/2 x 15 1/4 in. 47 lb ..... \$779

#### Infinitesimal Four 2-Way Speaker

Ported design with 5 1/4-in woofer and EMIT R tweeter. FR 100-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 5,000 Hz. Black structural foam finish, black metal grille ..... \$429/pr

### ISLAND

#### Islander Light 2-Way Outdoor Speaker

6 1/2-in woofer and 1-in dome tweeter. FR 55-20,000 Hz ± 5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Black finish. 7 x 31 x 7 in; 25 lb ..... \$1,350/pr

#### Islander 2-Way Outdoor Speaker

5 1/2-in woofer and 1-in dome tweeter. FR 55-20,000 Hz ± 5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Black finish. 7 x 27 x 7 in; 20 lb ..... \$950/pr

#### IA-100 2-Way Speaker

Bass-reflex design featuring 6 1/2-in woofer and 1-in dome tweeter. FR 55-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oiled oak finish. 8 x 13 x 8 in; 12 lb ..... \$450/pr

### JACKSON

#### AU-6 3-Way Speaker

Critically damped, slot-loaded design with 6 1/2-in woofer, 1-in aluminum-dome tweeter, 1/2-in polycar-

# S P E A K E R S

bonate-dome supertweeter, and 8-in passive radiator. Features radlused pyramid-shaped enclosure; 26-element crossover with impedance compensation. Frequency response 48-20,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m. Navajo white with camel grille or black on black. 28 lb. \$1,849/pr

### AU-3 3-Way Speaker

5/4-in woofer, 1-in polyimide-dome tweeter, and 1/2-in polycarbonate-dome supertweeter. Features radlused pyramid-shaped enclosure; 17-element crossover with impedance compensation. FR 85-20,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m. Navajo white with camel grille or black on black. 7 1/2 x 13 1/2 x 4 1/4 in; 10.5 lb. \$949/pr

### AU-20 Subwoofer

Critically damped, slot-loaded design with 10-in driver and 15-in passive radiator. Features radlused slant-faced enclosure. Crossover self-adjusts to 125 Hz for AU-3 or 90 Hz for AU-6. FR 0-33 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m. Navajo white with camel grille or black on black. 18 x 17 1/2 x 18 1/2 in; 59 lb. \$929

## JAMO

### Oriel 3-Way Speaker

Twin-coupled cavity design with two 8 1/4-in woofers, 6 1/2-in honeycomb midrange, and 1-in soft-dome tweeter. Features overload protection; 6-dB/oct crossover slopes; Isoda internal wiring; concrete base; twin-alloy support spikes. Gold-plated speaker terminals. Power handling 70 W cont avg; FR 20-22,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover points 100 and 3,000 Hz. Smoked glass and plastic finish trimmed with cherry wood. 16 x 70 x 12 in; 159 lb. \$9,000/pr

### Concert VII 3-Way Speaker

Dual-chamber bass-reflex design with two 8-in woofers in push-pull configuration, 6 1/2-in polypropylene midrange, and 1-in alloy dome tweeter. Gold-plated biwire terminals. Power handling 300 W cont avg; FR 24-22,000 Hz  $\pm$  3 dB; imp 8 ohms; crossover points 150 and 4,000 Hz. Mahogany, black-ash, or light-walnut finish. 11 1/8 x 36 1/8 x 12 1/8 in; 62 lb. \$899

### Concert V 3-Way Speaker

Bass-reflex design with 6 1/2-in polypropylene woofer, 6 1/2-in midrange, and 1-in alloy dome tweeter. Overload protection. Gold-plated biwire terminals. Power handling 110 W cont avg; FR 30-22,000 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 150 and 3,500 Hz. Light-walnut, mahogany, or black-ash finish. 14 x 31 1/2 x 11 in; 42 lb. \$649

### Concert II 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in polypropylene woofer and 1-in alloy dome tweeter. Overload protection. Gold-plated biwire terminals. Power handling 80 W cont avg; FR 40-20,000 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,000 Hz. Light walnut, mahogany, or black-ash finish. 9 1/2 x 16 x 10 in; 20 lb. \$399

### BX-200 3-Way Speaker

Bass-reflex design with 12-in woofer, 3-in midrange, and 1-in horn tweeter. Gold-plated binding posts; overload protection. Power handling 250 W cont avg; FR 30-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 2,000 and 3,000 Hz. Black finish. 17 x 28 x 13 in; 39 lb. \$349

### BX-150 3-Way Speaker

Bass-reflex design with 10-in woofer, 3-in midrange, and 1-in horn tweeter. Gold-plated binding posts; overload protection. Power handling 150 W cont avg; FR 35-20,000 Hz; sens 92 dB SPL; imp 8 ohms; crossover points 2,300 and 5,000 Hz. Black finish. 15 x 25 x 12 in; 30 lb. \$299

### CL-30A 3-Way Speaker

Bass-reflex design with 8-in woofer, 4-in midrange, and 1-in dome tweeter. Gold-plated screw terminals. Power handling 120 W cont avg; FR 35-20,000 Hz;

sens 92.5 dB SPL/W/m; imp 8 ohms; crossover points 2,500 and 5,000 Hz. Black or white finish. 10 3/4 x 33 1/4 x 10 1/4 in; 29 lb. \$299

### CL-25A 3-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer, 4-in midrange, and 1-in dome tweeter. Gold-plated screw terminals. Power handling 120 W cont avg; sens 92.5 dB SPL/W/m; imp 8 ohms; crossover points 2,500 and 5,000 Hz. Black or white. 10 3/4 x 21 1/8 x 10 1/4 in; 25 lb. \$249

### BX-100 3-Way Speaker

Bass-reflex design with 8-in woofer, 3-in midrange, and 1-in horn tweeter. Gold-plated binding posts; overload protection. Power handling 100 W cont avg; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 2,000 and 4,200 Hz. Black finish. 12 x 21 x 11 in; 22 lb. \$249

### CL-20A 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Gold-plated screw terminals. Power handling 100 W cont avg; FR 40-20,000 Hz; sens 92 dB; imp 8 ohms; crossover point 3,500 Hz. Black or white finish. 10 3/4 x 18 1/4 x 10 1/4 in; 18 lb. \$199

### Compact 1000 3-Way Bookshelf Speaker

8-in woofer, 3 1/2-in midrange, and 1-in dome tweeter. Power handling 90 W cont avg; FR 65-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms; crossover points 1,200 and 4,000 Hz. Black or white finish. 9 1/8 x 14 3/8 x 8 3/4 in; 11 lb. \$129

### Outdoor 2-Way Speaker

Water- and heat-resistant design with 4-in polypropylene woofer and 3/4-in polypropylene-dome tweeter. Power handling 50 W cont avg; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,500 Hz. Black or white finish. 5 1/4 x 7 7/8 x 3 1/4 in; 3 lb. \$119

### Compact 700 2-Way Bookshelf Speaker

6 1/2-in woofer and 1-in dome tweeter. Power handling 70 W cont avg; FR 70-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Black or white finish. 7 3/8 x 11 7/8 x 8 1/2 in; 8 lb. \$109

### Compact 500 2-Way Bookshelf Speaker

5 1/4-in woofer and 3/4-in dome tweeter. Power handling 60 W cont avg; FR 75-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or white finish. 6 x 10 x 7 3/4 in; 7 lb. \$99

### M6 3-Way Speaker

Bass-reflex system with 5-in woofer, 2-in midrange, and 3/4-in tweeter. Power handling 60 W cont avg; FR 65-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 4,000 and 8,000 Hz. Black or white finish. 7 3/8 x 11 7/8 x 8 3/8 in; 7 lb. \$99

### Subwoofer Series

#### SW-600 Powered Subwoofer

Fixed-port design with two 10-in woofers; 100-W amp. Overload protection; outboard control box with phase, volume, crossover (35-200 Hz), and on/off controls. FR 30-200 Hz; imp 8 ohms. Smoked-glass top with black-ash stained wood. 16 x 21 x 13 in; 58 lb. \$995

#### SW-500 Subwoofer/Satellite System

Bass-reflex subwoofer with two 10-in woofers, and 2 satellites, each with 4-in dual-magnet midranges and 3/4-in tweeter. Bass module features dual adjustable ports. Satellites feature overload protection. Power handling 140 W cont avg (sub), 50 W (sat); FR 30-200 Hz (sub), 80-20,000 Hz (sat); sens 90 dB SPL/W/m; imp 8 ohms; crossover points 200 and 3,500 Hz. Subwoofer: 21 x 16 1/8 x 13 in; 50 lb. Satellites: 6 1/8 x 8 3/8 x 5 3/8 in; 5 lb. \$799

#### SW-500 Subwoofer only

\$499

#### SAT-500. Satellites only

\$298/pr

#### SW-300 Subwoofer/Satellite System

Bass-reflex subwoofer with two 8-in woofers in push-pull configuration, and 2 satellites, each with 4-in

polypropylene woofer and 3/4-in polypropylene-dome tweeter. 24-karat gold-plated screw terminals. Bass-level control; mounting kit for satellites. Power handling 100 W cont avg (sub), 50 W (sat); FR 30-200 Hz (sub), 80-20,000 Hz (sat); sens 90 dB SPL/W/m; imp 8 ohms; crossover point 200 and 3,500 Hz. Black or white finish. Subwoofer: 8 1/8 x 13 1/4 x 18 1/8 in; 30 lb. Satellites: 5 7/8 x 8 x 3 in; 3 lb. \$699

### SW-100 Subwoofer/Satellite System

Bass-reflex subwoofer with two 6 1/2-in woofers in push-pull configuration, and 2 satellites, each with 4-in woofer and 2-in cone tweeter. Mounting kit for satellites. Power handling 100 W cont avg (sub), 50 W (sat); FR 35-200 Hz (sub), 80-20,000 Hz (sat); sens 90 dB SPL/W/m; imp 8 ohms; crossover points 200 and 4,500 Hz. Black or white finish. Subwoofer: 13 3/8 x 7 7/8 x 18 1/8 in; 29 lb. Satellites: 5 1/4 x 7 7/8 x 3 1/4 in. \$499

#### SW-100. Subwoofer only

\$349

#### S-100. Satellites only

\$198/pr

### Jamo Compact Subwoofer/Satellite System

Bass module with two 6 1/2-in subwoofers and 2 satellites. Black finish. \$299

### Rear Surround Speaker. Designed for use with above.

Black finish. \$49

### Lifestyle Series

#### Atmosphere 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in dome tweeter. Features overload protection; standard low-voltage halogen light with UL-approved transformer. Separate on/off switch. Includes wall bracket that rotates speaker 360°. Power handling 60 W cont avg; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or white finish. 14 1/2 x 10 1/2 x 7 in; 8 lb. \$399

#### Silhouette 3-Way Speaker

Bass-reflex design with 5 1/4-in woofer, 5 1/4-in midrange, and 1-in dome tweeter with magnetic oil in the air gap. Includes foot spikes. Power handling 80 W cont avg; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 300 and 4,000 Hz. Black or white finish. 9 3/4 x 48 1/4 x 6 5/8 in; 22 lb. \$399

#### Graphic 2-Way Speaker

Wall-mount bass-reflex design with 5 1/4-in woofer and 1-in dome tweeter. Features overload protection. Power handling 35 W cont avg; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Smoked glass enclosure with 3 pairs of magnetically attached colored grilles. 15 x 17 x 3 in; 6.8 lb. \$299

#### Art 2-Way Speaker

Flat-panel bass-reflex design with 5 1/4-in woofer and 1-in impregnated textile-dome tweeter. Designed for wall mounting in surround applications. Features computer-optimized 12-dB/oct crossover network; 1-piece front baffle; stiff internal bracing. Includes support beam for floor standing. Power handling 60 W cont avg; frequency response 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or white lacquer finish. 15 7/8 x 13 7/8 x 3 1/2 in; 11 lb. \$249

#### Converta 2-Way Speaker

Dish-shaped hanging/wall-mount design with 4-in woofer and 2-in tweeter. Includes wall/table fittings and ball joint to turn all directions. Power handling 50 W cont avg; FR 80-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Black, white, steel, pink, mint-green, or violet finish. 4.5 lb. \$199

#### Center 100 3-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and 1-in dome tweeter. Overload protection. Power handling 40 W cont avg; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Aluminum shielded cabinet. 17 x 6 1/2 x 4 in; 12.5 lb. \$189

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# Review your options



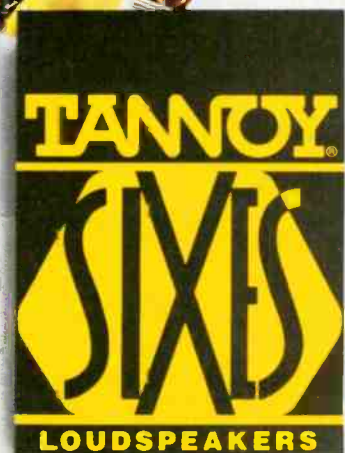
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".....imaging.....is pretty much beyond reproach for a speaker at this price point...."*







**AM/EURO Series****Nonpareil 6-Way Speaker**

Two 12-in mineral-filled polymer-cone woofers, 6½-in mineral-filled polymer-cone midrange, 2-in dome midtweeter, 1-in dome tweeter, and ¾-in supertweeter. Features liquid tweeter cooling and damping; cross-vented magnet structures; 5-way binding posts; linear-phase driver arrangement in mirror-image pairs; front-panel fuses; level controls. Power handling 200 W max; FR 12-22,000 Hz ± 1.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; selectable crossover points 60, 90, 180, 500, 750, 3,000, 3,500, 7,000, and 9,000 Hz. Biamp/triamp terminals. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 16 x 60 x 24 in; 265 lb ..... \$10,000/pr

**Trapezium 5-Way Speaker**

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in midtweeter, 1-in dome tweeter, and ¾-in dome supertweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; 5-way binding posts; linear-phase driver arrangement in mirror-image pairs; front-panel fuse; level controls. Triamp/biamp terminals. Power handling 200 W max; FR 12-22,000 Hz ± 1.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; selectable crossover points 90, 180, 500, 750, 3,000, 3,500, 7,000, and 9,000 Hz. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 60 x 22 in; 215 lb ..... \$8,500/pr

**Labyrinth 4-Way Speaker**

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in dome midtweeter, and 1-in dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; front-panel fuse. Triamp/biamp terminals; 5-way binding posts. Level controls. Power handling 200 W max; FR 16-22,000 Hz ± 1.5 dB; imp 6 ohms; selectable crossover points 90, 180, 500, 750, 3,000, and 3,500 Hz. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 48 x 20 in; 185 lb ..... \$7,000/pr

**Trapezoid Plus 4-Way Speaker**

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in mid-tweeter, 1-in dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; terminal cluster; linear-phase driver arrangement in mirror-image pairs; front-panel fuses; level controls. Triamp/biamp terminals; 5-way binding posts. Power handling 200 W max; FR 18-22,000 Hz ± 1.5 dB; imp 8 ohms; selectable crossover points 90, 180, 750, 1,000, 7,000, and 9,000 Hz. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 48 x 16 in; 120 lb ..... \$5,000/pr

**Identity 3-Way Speaker**

12-in mineral-filled polymer-cone woofer, 2-in dome midrange, and 1-in titanium-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; front-panel fuse; level controls. Triamp/biamp terminals; 5-way binding posts. Power handling 200 W max; FR 18-22,000 Hz ± 1.5 dB; sens 92 dB SPL/W/m; imp 8 ohms; selectable crossover points 750, 1,000, 4,000, and 6,000 Hz. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 36 x 16 in; 95 lb ..... \$3,000/pr

**Stat 2-Way Speaker**

Vented design with 8-in mineral-filled polymer-cone woofer and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; front-panel fuse. Biamp/biwire terminals; 5-way binding posts. Level controls. Power handling 100 W max; FR 38-22,000 Hz ± 1.5 dB;

sens 93 dB SPL/W/m; imp 8 ohms; selectable crossover points 1,800 and 2,800 Hz. European-style walnut- or oak-veneer cabinet with rounded black grille. 10 x 26 x 10 in; 45 lb ..... \$2,000/pr

**Standard Series****Titan/Trapezium 6-Way Speaker**

Vented design with two 12-in mineral-filled polymer-cone woofers, 6½-in mineral-filled polymer-cone midrange, 2-in textile-dome midtweeter, 1½-in synthetic-dome tweeter, ¾-in synthetic-dome supertweeter. Features cross-vented magnet structures; 5-way binding posts; linear-phase driver arrangement in mirror-image pairs; biamp/biwire terminals. Power handling 200 W max; FR 12-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover points 60, 90, 500, 3,000, and 7,000 Hz. Contemporary-style walnut-veneer cabinet with black grille. 18 x 60 x 22 in; 265 lb ..... \$8,000/pr

**Trapezium 5-Way Speaker**

Vented design with 12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in dome mid-tweeter, 1½-in synthetic-dome tweeter, and ¾-in synthetic-dome supertweeter. Features liquid tweeter cooling/damping; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biwire terminals. Power handling 200 W max; FR 12-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 90, 500, 3,000, and 7,000 Hz. Walnut-veneer cabinet with rounded black grille. 16 x 60 x 20 in; 250 lb ..... \$6,500/pr

**Labyrinth 4-Way Speaker**

Vented design with 12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in synthetic-dome tweeter, and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biamp terminals. Power handling 200 W max; FR 16-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 180, 500, and 3,000 Hz. Walnut-veneer cabinet with nonresonant frame. 16 x 48 x 18 in; 185 lb ..... \$5,000/pr

**Trapezoid 4-Way Speaker**

Vented design with 12-in mineral-filled polymer-cone woofers, 6½-in mineral-filled polymer-cone midrange, 1½-in synthetic-dome tweeter, and ¾-in synthetic-dome supertweeter. Features liquid tweeter cooling/damping; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biwire terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180, 2,000, and 9,000 Hz. Contemporary-style walnut-veneer cabinet with rounded-black grille. 16 x 40 x 14 in; 120 lb ..... \$3,500/pr

**Identity (Impulse) 3-Way Speaker**

Vented design with 12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biwire terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180 and 2,000 Hz ..... \$2,000/pr

**Stat Miniature Monitor 2-Way Speaker**

Vented design with 6½-in mineral-filled polymer-cone woofer and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; level control; biamp/biwire terminals. Power handling 100 W max; FR 38-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz ..... \$1,500/pr

**Architectural In-Wall Speakers****Rex (Trapezoid) 4-Way Speaker**

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in dome tweeter,

and 1-in dome supertweeter. Features liquid tweeter cooling and damping; separate subenclosures for tweeters; cross-vented magnet structures; linear phase driver arrangement in mirror-image pairs; level controls. Biamp/triamp terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180, 2,000, and 7,000 Hz. Rounded-black grilles with nonresonant frame. 13 x 38 or 48 x 6½ in; 28 lb ..... \$1,500/pr

**Identity 3-Way Speaker**

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, and 1½-in synthetic-dome tweeter with magnetic-liquid cooling/damping. Features cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; level controls. Biamp/biamp terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180 and 2,000 Hz. Rounded black grille with nonresonant frame. 13 x 24 x 7 in; 19 lb ..... \$900/pr

**Adaptor.** For Identity or Rex. Allows speakers to be fitted into shallow walls. Available in several colors or walnut- or oak-veneer finish. Includes mounting hardware ..... \$150/pr

**In-Wall Subwoofer**

12-in mineral-filled polymer-cone woofer with dual voice coils. Features 180-Hz passive crossovers with bypass terminals. Power handling 150 W max; FR 20-20,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 2, 4, or 8 ohms. Removable-rounded grille with nonresonant frame. Available in several colors. 15 lb ..... \$500/pr

**Stat Small-Wall 2-Way Speaker**

8-in mineral-filled polymer-cone woofer with 30-oz magnet and 1-in dome tweeter with magnetic-liquid cooling/damping. Features replaceable voice-coil dome diaphragm; film capacitors; air-core choke inductor; nonresonant 1-in-thick baffle/panel. Level control. Power handling 100 W max; FR 36-20,000 Hz ± 2.5 dB; sens 90 dB; imp 8 ohms; crossover point 2,000 Hz. Removable rounded grille. Available in several colors. 9 x 14 x 3½ in; 14 lb ..... \$499/pr

**KLH**

The following feature a 5-year limited warranty.

**Calibre 3 Subwoofer/Satellite System**

Subwoofer with two 6½-in polymer voice-coil drivers and 2 satellites, each with 4½-in polypropylene-cone midrange, and 1-in ferrofluid-cooled dome tweeter. Power handling 200 W nom; FR 45-20,000 Hz ± 3 dB; imp 6 ohms. Subwoofer: black vinyl; 8½ x 14¾ x 9½ in. Satellite: black-oak vinyl; 5¾ x 9 x 5½ in ..... \$399

**Premier 521 3-Way Speaker**

12-in woofer with 1½-in voice coil, 12-in passive radiator, 5¼-in ferrofluid-cooled midrange, and 1-in ferrofluid-cooled fabric-dome tweeter. 5-element crossover with Mylar capacitors. Gold-plated 5-way binding posts. Power handling 200 W nom; FR 28-20,000 Hz; sens 97 dB SPL/W/m; imp 8 ohms; crossover points 800 and 3,000 Hz. 16 x 43 x 11 in. ..... \$299

**Premier 121.** As above, without passive radiator. Tuned port design. FR 30-20,000 Hz. 16 x 30 x 11 in ..... \$249

**Premier 81 2-Way Speaker**

Features tuned-port design with 8-in polymer-fiber cone woofer with 1½-in voice coil and 1-in ferrofluid-cooled polymer dome tweeter. 9-element crossover. Gold-plated 5-way binding posts. Power handling 130 W nom; FR 30-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 1,300 Hz. 10¾ x 16½ x 11¼ in ..... \$299/pr

**Premier 61.** As above, 6½-in woofer. FR 40-20,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 1,600 Hz. 8¾ x 13¾ x 9¼ in ..... \$249/pr

**Model 802 2-Way Speaker**

Tuned-port design with 8-in polypropylene woofer and 3-in ferrofluid-cooled supertweeter. Features

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# S P E A K E R S

89 dB SPL/W/m; crossover points 800 and 4,000 Hz; imp 8 ohms. Black knit grille, oak-lacquer finish. 14 x 39 x 11 in; 48 lb. \$1,000/pr

### LE-75 3-Way Speaker

Vented design with two 6½-in woofers and 1-in dome tweeter. Frequency response 42-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,200 Hz; impedance 8 ohms. Black knit grille and oak-lacquer finish. 8 x 29 x 10 in; 30 lb. \$500/pr

### Video HTR 2-Way Speaker

Sealed cabinet base with two 4½-in woofers and two ¾-in dome tweeters in dipole configuration for surround applications. Power handling 160 W; FR 70-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black oak finish. \$400/pr

### LE-110 3-Way Speaker

Vented cabinet base with 10-in woofer, 4-in midrange, and 1-in soft-dome tweeter. Power handling 200 W; FR 32-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Honey or black-oak finish. \$375

### LE-50B 2-Way Speaker

Vented design with 6½-in woofer and ¾-in dome tweeter. Frequency response 49-20,000 Hz; sens 88 dB SPL/W/m; crossover point 3,000 Hz; impedance 8 ohms. Black knit grille and oak-lacquer finish. 9 x 14 x 8 in; 12 lb. \$250/pr

### LE-1SW Subwoofer

Band-pass design with two 6½-in drivers. Frequency response 38-160 Hz; sensitivity 88 dB SPL/W/m; crossover point 160 Hz; impedance 8 ohms. Black finish. 9 x 14 x 20 in; 35 lb. \$250

### LE-25 2-Way Speaker

Vented design with 4-in woofer and ¾-in dome tweeter. Frequency response 55-20,000 Hz; sens 87 dB SPL/W/m; crossover point 3,500 Hz; impedance 8 ohms. Black knit grille and oak-lacquer finish. 8 x 10 x 8 in; 7.5 lb. \$220/pr

### Video HTF 2-Way Center-Channel Speaker

Sealed cabinet base with two 4½-in woofers and two ¾-in dome tweeters in line-source configuration. Power handling 100 W; FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black oak finish. \$200

## LANTANA

### Mink 3-Way Speaker

Rear baffle with two 6-in composite-cone woofers, front baffle with two 4½-in midranges, and one 2-in ferrofluid-cooled composite-cone tweeter. Features patented Laminar Flow Vent to simulate infinite baffle; separate chambers within enclosure for front- and rear-baffle drivers; 6-dB/oct crossover; high-density fiberboard enclosure with MDF rear baffle. Biwireable and blamplifiable. Frequency response 38-20,000 Hz; crossover points 90 and 2,500 Hz. 9 x 36 x 9 in. \$1,200/pr

### Laug Subwoofer

Two 8-in composite cone drivers. Features patented Laminar Flow Vent to simulate infinite baffle; 6-dB/oct crossover; high-density fiberboard enclosure. FR 30-150 Hz; crossover point 90 Hz; imp 6 ohms. Natural-oak, stained-oak, or black-satin finish with black grille. 11 x 31 x 10½ in. \$1,000/pr  
As above, 2-channel configuration. Features separate crossover for each driver. Imp 8 ohms. \$550

### Iad Classic 2-Way Speaker

Two 4½-in woofers and one 2-in ferrofluid-cooled composite-cone tweeter. Features patented Laminar Flow Vent to simulate infinite baffle; high-density fiberboard enclosure with MDF baffle; 6-dB/oct crossover. Tweeter-level control. FR 45-20,000 Hz; crossover point 2,500 Hz; imp 6 ohms. Natural-oak, stained-oak, or black-satin finish with black or brown grille cloth. 6½ x 17 x 5 in. \$400/pr  
Iad III. As above, designed for custom installations. Black with cloth grille. 6½ x 17 x 4½ in. \$550/pr

## LINAENUM

### Model 9B Subwoofer/Satellite System

5-piece system. Two subwoofers, each with two compression-loaded 10-in cone drivers, 2 line-source panels, each with 9 single-pole drivers, and 8-in coupling driver. FR 70-23,000 Hz (satellites), 16-70 Hz (subwoofer). Gloss black finish; optional finishes available. 16 x 72 x 8 in. \$13,500

### Model 3 3-Way Speaker

TLS-1.25 driver, two TLS-6 drivers in parallel, and 10-in cone driver in slot-loaded cabinet. Features 6-dB/oct crossover. Power handling 250 W; FR 25-30,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 600 and 15,000 Hz. Gloss black finish; optional finishes available. 5-yr warranty. 14 x 43 x 19 in; 70 lb. \$3,800/pr

### LFX 2-Way Speaker

Mini-monitor design with dipole driver and 5-in cone woofer in ported cabinet. Features 6-dB/oct crossover. Power handling 250 W; FR 60-30,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Solid Corian cabinet. 6 x 10 x 7 in; 15 lb. \$1,200/pr  
With black, black-ash, or hickory finish. 9 lb. \$895/pr

### LS-2 2-Way Speaker

Ported design with TLS-6 driver and 8-in cone woofer. Features 6-dB/oct crossover. Power handling 250 W; FR 35-23,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black or black-ash finish. 11 x 42 x 9 in; 51 lb. \$895/pr

## LINN

### DMS Isobarik 3-Way Speaker

Isobarik design with 12- and 9-in woofers, 5-in midrange, and two ¾-in dome tweeters. Triamp terminals. Power handling 500 W; FR 25-20,000 Hz ± 1.5 dB; crossover points 375 and 3,000 Hz; imp 4 ohms. 15 x 30 x 16½ in. \$5,995/pr

### Kaber 3-Way Speaker

Tower-style cabinet with two 5-in woofers and ¾-in tweeter. Woofers operate at different resonances and crossover points. Triwire/triamp terminals. Includes integral base stand. Walnut or black-ash finish. \$2,295/pr

### Nexus LS 250 2-Way Speaker

Ported design with 8-in carbon-polypropylene woofer and ¾-in soft-dome tweeter. Molded front baffle; 14-in pedestal stand; 4th-order Linkwitz-Riley crossover phase aligned at 2,500 Hz. Biwire terminals. Sens 88 dB SPL/W/m. 10 x 22 x 12 in. Price depends on finish. \$995-\$1,250/pr

### Kan II 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in woofer and ¾-in dome tweeter. FR 70-20,000 Hz ± 3 dB; imp 8 ohms. 7½ x 12 x 6½ in. \$895/pr

### Helix II 2-Way Bookshelf Speaker

Ported design with 8-inch woofer and ¾-inch dome tweeter. Biwire biamp terminals. Simulated black ash. 10 x 20 x 11 in. \$795/pr

### Index II 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in woofer and 1-in dome tweeter. 50-strand 20-ampere cable. Power handling 50 W; FR 60-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black wood-grain finish. 11 x 17 x 8 in; 17 lb. \$495/pr

## LUXMAN

### S-505 2-Way In-Wall Speaker

8-in graphite-polypropylene woofer and 1-inch soft-dome tweeter. Features 1½-in woofer voice coil; auto-resetting tweeter-overload protection. Tweeter-level control. Flush-mount design for walls or ceilings; mounting provision for RC-501 remote-control sensor; integral clamps and mounting brackets. Power handling 200 W max; FR 50-22,000 Hz ± 2.5 dB;

sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. \$500/pr  
RC-501. Remote sensor. \$100  
PB-81. New-construction brackets. \$70/pr  
MG-81A. Speaker grilles. \$30/pr  
MG-81B. Speaker grilles with opening for remote sensor. \$30/pr

### S-503 2-Way In-Wall Speaker

6½-in carbon-fiber-impregnated polypropylene woofer and 1-in soft-dome tweeter. 2-position tweeter-level switch. Flush-mount design. Power handling 120 W max; FR 60-22,000 Hz ± 2.5 dB; sens 89 dB SPL/W/m; crossover point 5,000 Hz; imp 8 ohms. 9½ x 12¾ x 3½ in. \$300/pr  
PB-61. New-construction brackets. \$60/pr  
MG-61A. Speaker grille. \$30  
MG-61B. Speaker grille with opening for remote sensor. \$30

## MAGNEPAN

*The following are available in a variety of finishes.*

### MG-20 3-Way Speaker

Di-planar bass element and combination planar-magnetic/ribbon tweeter. FR 20-40,000 Hz ± 3 dB; min power 100 W; imp 4 ohms; crossover points 200 and 3,000 Hz. \$8,500/pr

### MG 3.3R 3-Way Speaker

628 sq-in planar-magnetic bass panel, planar-magnetic and 3 x 57 in ribbon midrange, and ½ x 60 in ribbon tweeter. FR 32-40,000 Hz ± 3 dB; power handling 200 W cont; sens 85 dB SPL/W/m; crossover points 250 and 1,000 Hz; imp 4 ohms. 24 x 71 x 1¾ in; 130 lb. \$3,000/pr

### MG 2.6R 2-Way Speaker

609 sq-in planar-magnetic bass panel, planar-magnetic and ¼ x 40 in ribbon tweeter. FR 37-40,000 Hz ± 3 dB; power handling 200 W cont; sens 87 dB SPL/W/m; crossover point 1,000 Hz; imp 4 ohms. 22 x 71 x 1¾ in; 110 lb. \$1,950/pr

### MG 1.5QR 2-Way Speaker

480 sq-in planar-magnetic bass panel and 1½ x 52 in quasi-ribbon tweeter. FR 40-22,000 Hz ± 3 dB; power handling 50 W cont; sens 85 dB SPL/W/m; imp 5 ohms. \$1,350/pr

### MG .5QR 2-Way Speaker

370 sq-in planar-magnetic bass panel and 1½ x 40 in quasi-ribbon tweeter. FR 45-22,000 Hz ± 3 dB; power handling 40 W cont; sens 86 dB SPL/W/m; imp 4 ohms; crossover point 900 Hz. \$1,075/pr

### SMGα 2-Way Speaker

370 sq-in planar-magnetic bass panel and 1½ x 38-in quasi ribbon tweeter. FR 50-18,000 Hz ± 3 dB; power handling 30 W cont; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 2,400 Hz. \$575/pr

## M&C SPEAKERWORKS

### Series I 2-Way Speaker

Tuned-port design with two 6½-in polymer woofers and one 1-in aluminum-dome tweeter. Gold-plated biwire terminals. FR 37-20,000 Hz; imp 4 ohms; sens 90 dB SPL/W/m; power handling 150 W. Walnut finish. 5-yr warranty. 12 x 9½ x 23 in. \$1,000/pr  
Above, oak finish. \$950/pr

### Audition Monitor 2-Way Speaker

Tuned-port design with a 6½-in polypropylene woofer and 1-in aluminum-dome tweeter. Gold-plated terminals. FR 52-21,000 Hz; imp 6 ohms; sens 89 dB SPL/W/m; power handling 100 W. Oak or satin finish. 5-yr warranty. 11 x 12 x 20 in. \$650

## M&K

### MX-5000 THX Powered Subwoofer

Sealed-box design with two 12-in magnetic drivers in push-pull configuration with integral 400-W rms amp.

# S P E A K E R S

Features THX certification; independent level control; low-pass filter adjustable between 50 and 125 Hz. FR 18-125 Hz; input imp 15 kilohms line level, 200 ohms speaker level. Available in oak or black-oak finish. 23 x 15 1/4 x 23 1/2 in; 125 lb ..... \$2,195

## MX-1000CC Subwoofer/Center-Channel System

One enclosure with two 5-in polypropylene mid-ranges, three 1-in soft-dome tweeters, and 2 powered 12-in woofers. Designed for surround applications. Features independent level control for bass; upper roll-off frequency control ..... \$1,795

## MX-2000 Powered Subwoofer

Two 12-in push-pull drivers. Features 300-W amp; continuously variable low-pass crossover. FR 20-125 Hz  $\pm$  3 dB; input imp 15 kilohms line level, 600 ohms speaker level. 18 3/8 x 23 x 25 1/2 in ..... \$1,795

## SS-500 THX Surround Speaker

Sealed-box design with two 5-in polypropylene woofers and two 1-in soft-dome tweeters. Features THX certification; tonal balance control. FR 100-20,000 Hz  $\pm$  3 dB; imp 4 ohms. 16 x 7 x 7 in; 22 lb .. \$1,450/pr

## MX-1000 Pedestal Powered Subwoofer

Acoustic-suspension pedestal design with two 12-in drivers. Magnetic shielding for use as TV stand. 26 x 28 x 22 in; 115 lb ..... \$1,295

## MX-100 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers in push-pull configuration; 200-W amp. Features independent level control and selectable 50/125-Hz low-pass filter. FR 20-125 Hz  $\pm$  3 dB. Walnut, oak, or black-oak finish. 15 1/4 x 23 1/4 x 19 in; 78 lb .. \$1,295

## V-100 Powered Subwoofer

12-in dual-voice-coil driver and 200-W amp. Adjustable crossover. FR 20-125 Hz. Walnut, oak, and black-oak finish. 16 x 18 1/4 x 15 1/4 in ..... \$995

## MX-90 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers in push-pull configuration; 125-W amp. Features independent level control; selectable 50/125-Hz low-pass filter. FR 25-125 Hz  $\pm$  3 dB. Available in walnut, oak, or black-oak finish ..... \$995

## S-100B Satellite Speaker

Two 5-in polypropylene midranges and three 1-in soft-dome tweeters. Features midrange and treble level switches. Glass-bead black finish ..... \$995/pr  
With magnetic shielding ..... \$1,120/pr

## Satellite 1C 2-Way Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and two 1-in soft-dome tweeters. Features selector for 36 tonal balances; midrange and treble level switches. Power handling 400 W; imp 4 ohms. Oak or black-oak finish with black grille. 7 3/4 x 21 x 7 3/8 in; 19 lb ..... \$950/pr  
**S-1B TV.** As above, magnetically shielded. Walnut, oak, or black-oak finish ..... \$1,050/pr

## S-5000 THX LCR Satellite Speaker

Trapezoidal sealed-box design with two 6 1/2-in polypropylene woofers and two 1-in open-back transmission-line dome tweeters. Features tonal balance control. FR 80-20,000 Hz  $\pm$  2 dB; imp 4 ohms. 24 x 12 x 9 1/2 in; 45 lb ..... \$950

## MX-80 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers in push-pull configuration; 75-W amp. Features level control; selectable 50/125-Hz low-pass filter. FR 25-125 Hz  $\pm$  3 dB. Available in walnut, oak, or black-oak finish. 15 1/4 x 23 1/4 x 17 in; 64 lb ..... \$850

## MX-70 Powered Subwoofer

Acoustic-suspension design two 12-in drivers in push-pull configuration; 125-W amp. Features level control; selectable 50/125-Hz low-pass filter. FR 25-125 Hz  $\pm$  3 dB. Available in glass-bead black finish. 10 x 18 x 13 1/2 in; 40 lb ..... \$850

## V-90 Powered Subwoofer

Sealed-box design with 12-in polypropylene driver; 90-W amplifier. Level control; selectable 50/125-Hz low-pass filter. FR 20-125 Hz  $\pm$  3 dB; input imp 15 kilohms line level, 200 ohms speaker level. Black. 17 1/2 x 17 1/2 x 14 1/2 in; 43 lb ..... \$750

## S-90 2-Way Speaker

Trapezoidal sealed-box design with 6 1/2-in polypropylene woofer and 1-in soft-dome tweeter. Features selectors for 36 tonal balances. Oak or black finish, black grille. FR 80-20,000 Hz  $\pm$  3 dB; power handling 200 W. 12 x 12 x 9 1/2 in; 18 lb ..... \$695/pr

## V3-B Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene driver and Integral power amp. Features independent level control and selectable 50/125-Hz low-pass filter. FR 25-125 Hz  $\pm$  3 dB. Black finish. 17 1/2 x 17 1/2 x 14 1/2 in; 43 lb ..... \$650

## S-80 Satellite Speaker

Trapezoidal sealed-box design with 5-in polypropylene woofer and 1-in soft-dome tweeter. Features selector for 4 tonal balances. Oak or black-oak finish, black grille. FR 90-20,000 Hz  $\pm$  3 dB; power handling 100 W. 11 x 8 x 7 in; 10 lb ..... \$550/pr

## VX-4 Subwoofer

12-in driver. Features adjustable low-pass filter. FR 40-125  $\pm$  3 dB; power handling 50 W cont. Black finish ..... \$495

## VX-7 Powered Subwoofer

Acoustic-suspension design with 50-W amplifier and 8-in woofer. FR 40-125 Hz  $\pm$  3 dB. Black finish. 10 x 11 3/4 x 9 1/2 in; 25 lb ..... \$425

## SX-7 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in paper-cone midrange and 3/4-in soft-dome tweeter. Features cast-aluminum box with perforated metal grille; fuse protection. FR 100-20,000 Hz  $\pm$  3 dB; power handling 100 W; sens 87 dB SPL/W/m; imp 4 ohms. Black or white. 4 1/2 x 7 3/8 x 4 1/2 in; 6 lb ..... \$257/pr  
Mounting brackets ..... \$15/set

## JOHN MAROVSKIS

### Janis System 3a Powered Subwoofer

12-in slot-loaded driver. Amp: bass-level control; continuously variable driver phase; 50 W rms into 8 ohms; THD 0.05% at 20 Hz, 50 W; SN 90 dB for 50 W. Woofer module: FR 30-100 Hz  $\pm$  1 dB; sens 85 SPL/W/m; crossover point 100 Hz; imp 8 ohms. Available in Brazilian Monarch rosewood, Coca Bola, American walnut, or white-oak finish with wood grille. Woofer module: 18 x 18 x 18 in. Amp: 14 x 3 1/2 x 9 in. 87 lb ..... \$995-\$1,150

### Janis W1 Subwoofer

15-in slot-loaded driver. FR 30-100 Hz  $\pm$  1 dB; sens 87 SPL/W/m; recommended min power 60 W; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille. Dimensions: 18 x 22 x 22 in; 100 lb ..... \$850  
Coca Bola or Brazilian Monarch rosewood .. \$1,000  
Black ..... \$900

### Janis W3 Subwoofer

12-in slot-loaded subwoofer. FR 30-100 Hz  $\pm$  1 dB; sens 85 SPL/W/m; recommended min power 60 W; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille. 18 x 18 x 18 in; 67 lb ..... \$600  
Coca Bola or Brazilian rosewood ..... \$750  
Black ..... \$650

### Janis Crossover

### Interphase 1A Dedicated Crossover/Amp

For Janis W1 or Janis W3. Features 2 independent high-pass filters and 1 low-pass filter; 100 W x 2 amp. Independent low-pass filter output. 3 1/2 x 14 x 13 in; 24 lb ..... \$795

## MARTIN-LOGAN

### The Statement Electrostatic Speaker System

2 visually transparent curvilinear electrostatic panels, 2 woofer towers, and active crossover. Features 3 x 6-in curved electrostatic element in massive frame; four 12-in woofers mounted in individually sealed antiresonant chambers in each woofer tower; 4-chassis dual-mono crossover with power supplies in 2 chassis and crossover using proprietary discrete Class A differential FET buffer topology in other 2; 120-dB output. Power handling 250 W cont/module; FR 16-22,000 Hz  $\pm$  1.5 dB; sens 90 dB SPL/W/m; imp 6 ohms. Electrostatic section: 39 1/2 x 84 x 6 in. Woofer towers: 15 x 84 x 30 in. 1 ton. Single-ended ..... \$55,000  
Balanced ..... \$60,000

### The Monolith III Hybrid Electrostatic Speaker

Curvilinear electrostatic panel mounted atop tuned subwoofer box; constant-voltage active crossover. Designed for wide dispersion without use of lenses. Features 2 x 4-ft electrostatic cell for frequencies from 125-24,000 Hz; 12-in low-mass cone subwoofer with 2-in voice coil. Power handling 250 W cont; FR 28-24,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 25 x 75 x 13 1/2 in; 165 lb ..... \$7,000/pr  
With passive crossover ..... \$6,500/pr

### The Quest Hybrid Electrostatic Speaker

18 x 48 in curvilinear electrostatic panel mounted atop tuned subwoofer cabinet housing 12-in woofer. Power handling 200 W cont; FR 28-24,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 150 Hz. Available in variety of finishes. 19 x 73 x 18 in; 125 lb ..... \$3,995/pr

### The CLS II Electrostatic Speaker

Curved visually transparent 2 x 4-ft electrostatic cell; 30° seamless horizontal dispersion; inverted line-source format; arc-free diaphragm. Power handling 150 W cont; FR 40-22,000 Hz  $\pm$  2 dB; sens 85 dB SPL/W/m; imp 6 ohms ..... \$3,500/pr

### The Sequel II Hybrid Electrostatic Speaker

Visually transparent electrostatic driver that operates from 250-24,000 Hz and 10-in subwoofer in tuned chamber with matrix voice coil. 30° seamless horizontal dispersion in vertical line-source format; 1 x 4-ft electrostatic cell. Power handling 200 W cont; FR 30-24,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m; imp 6 ohms ..... \$2,995/pr

### The Aeries Hybrid Electrostatic Speaker

9 1/2 x 40 in curvilinear electrostatic driver with crossover at 500 Hz into 8-in dynamic woofer. Power handling 200 W cont; FR 40-20,000 Hz  $\pm$  3 dB; sens 89 dB; imp 4 ohms ..... \$1,995/pr

## MASTON

### Maston Deluxe Reference System

Includes satellites, 12-in woofer module, and an external passive crossover. Biwired satellites and crossover; gold plating. FR 32-20,000 Hz, -10 dB at 24 Hz; power handling 150 W cont; sens 87 dB SPL/W/m. Woofer 60 lb. Oak or walnut veneer with clear or black lacquer finish ..... \$4,475  
**Maston Reference System.** As above, without cables, biwiring, or gold plating ..... \$3,975

### Maston 2-Way Speaker

7-in woofer and 1-in dome tweeter. Subwoofer module serves as matching stand (driver not included). Frequency response 37-20,000 Hz; power handling 135 W rms; sensitivity 87 dB SPL/W/m. Oak or walnut veneer with clear or black lacquer finish. Dimensions: 14 x 14 x 21 in; 50 lb ..... \$2,125  
Without subwoofer module ..... \$1,725/pr

## MB QUART

### Quart 1090MCS 3-Way Speaker

Two 8-in woofers, 2-in aluminum-dome midrange, and 1-in titanium-dome tweeter. Oak, walnut, black/



# S P E A K E R S

white, and raw-oak finishes. Cherry, piano lacquer black, and piano lacquer white finishes also available. 11½ x 41¾ x 12¼ in; 60.7 lb ..... \$2,999/pr

#### Quart 990MCS 3-Way Speaker

Two 7-in cast-frame woofers, 2-in aluminum-dome midrange, and 1-in titanium-dome tweeter. Power handling 120 W cont; FR 30-32,000 Hz. Oak, walnut, black/white, and raw-oak finishes. Cherry, piano lacquer black, and piano lacquer white finishes also available. 10¾ x 39¾ x 11¾ in; 51 lb ..... \$2,700/pr

#### Quart 790MCS 3-Way Speaker

8-in woofer, 2-in aluminum-dome midrange, and 1-in titanium-dome tweeter. Oak, walnut, black/white, and raw-oak finishes. Cherry finish also available. 10¾ x 35¾ x 11¾ in; 46 lb ..... \$1,999/pr

#### Quart 690MCS 2-Way Speaker

Tower design with 8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 35-32,000 Hz. Oak, walnut, black/white, or raw-oak finishes. Cherry finish also available. 10¾ x 33¾ x 11¾ in; 40 lb ..... \$1,500/pr

#### Quart 390MCS 2-Way Speaker

Mini tower design with 8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 38-32,000 Hz. Black or white-ash finish. 9¾ x 31½ x 11 in; 30 lb ..... \$1,099/pr

#### Quart 490MCS 2-Way Bookshelf Speaker

8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 37-32,000 Hz. Oak, walnut, black, white, or raw-oak finishes. Cherry finish also available. 11 x 17¾ x 11½ in; 24.2 lb ..... \$850/pr

#### Quart 290 2-Way Bookshelf Speaker

6½-in woofer and 1-in titanium-dome tweeter. Power handling 90 W cont; FR 40-32,000 Hz. Oak, walnut, black, white, or raw-oak finishes. Cherry finish also available. 11 x 16½ x 11¼ in; 22 lb ..... \$699/pr

#### Quart Three 2-Way Speaker

Two 6½-in woofers and 1-in titanium-dome tweeter. Power handling 90 W cont avg; FR 38-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Includes removable isolation spikes. Black finish. 8¼ x 35¾ x 10 in; 32 lb ..... \$699/pr

#### Quart 90M 2-Way In-Wall Speaker

8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 46-32,000 Hz. White-matte finish. 10¾ x 12 x 3¼ in; 5.7 lb ..... \$649/pr  
**NCB90.** New-construction bracket for above. \$99

#### Quart 190 2-Way Bookshelf Speaker

6½-in woofer and 1-in titanium-dome tweeter. Power handling 90 W max; FR 46-32,000 Hz. Oak, walnut, black, white, or raw-oak finishes. Cherry finish also available. 9¼ x 13½ x 10 in; 15.4 lb ..... \$599/pr

#### Quart Two 2-Way Speaker

6½-in woofer with butyl-rubber surround and 1-in titanium-dome tweeter. Power handling 80 W cont avg; FR 42-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 2,800 Hz. Includes removable isolation spikes. Black finish. 8¼ x 28½ x 9½ in; 22 lb ..... \$499/pr

#### Quart One 2-Way Bookshelf Speaker

6½-in woofer with butyl-rubber surround and 1-in titanium-dome tweeter. Power handling 60 W cont avg; FR 49-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 2,800 Hz. Includes removable isolation spikes. Black finish. 8¼ x 13½ x 9½ in; 13.2 lb ..... \$379/pr

### McINTOSH

#### XR-290 3-Way Speaker

Parallel column design with four 12-in woofers, twelve 5-in midranges, and twenty-four 1-in dome tweeters. Overload protection. Gold-plated terminals. Biamp/triamp terminals. Power handling 1,200

W max; frequency response 16-20,000 Hz; sens 87 dB SPL/W/m; impedance 8 ohms; crossover points 400 and 1,300 Hz. Rosewood gloss finish. 28¾ x 83 x 12½ in; 364 lb ..... \$54,950/pr  
 Black-gloss finish ..... \$44,950/pr  
 Rosewood-lacquer finish ..... \$34,950/pr  
 Oak or walnut finish ..... \$24,950/pr

#### XR22 Subwoofer/Satellite System

Enclosure with two 12-in woofers and 8-in midrange, and 2 columns, each with twenty-three 1-in dome tweeters. Power handling 600 W max; FR 20-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 100, 250, and 1,500 Hz. Oak or walnut finish. Bass cabinet: 25¾ x 40½ x 12¾ in. Column: 10½ x 79½ x 1¾ in. 156 lb ..... \$4,550  
**CS 22A.** Column stand. Oak or walnut finish. 15.5 lb ..... \$799/pr

#### XR18 Subwoofer/Satellite System

Enclosure with 12-in woofer and 6-in midranges, and 2 columns, each with sixteen 1-in dome tweeters. Power handling 500 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover points 350 and 1,500 Hz. Bass cabinet: 17½ x 27¼ x 11¼ in. Column: 10½ x 57¼ x 1¾ in. 108 lb ..... \$2,699  
**CS 18.** Column stand. Oak or walnut finish. 22.5 lb ..... \$649/pr

#### XR-250 3-Way Speaker

Two 10-in woofers, 5-in midrange, and 1-in dome tweeter. Solid-state current protection. Power handling 300 W max; FR 20-20,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms; crossover points 450 and 1,300 Hz. Oak, walnut, or black-lacquer hardwood finish. 14 x 47¼ x 12¾ in; 79.5 lb ..... \$1,499

#### XR-240 3-Way Speaker

12-in woofer, 6½-in midrange, and 1-in dome tweeter. Solid-state current protection. Power handling 300 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover points 375 and 1,200 Hz. Oak, walnut, or black-lacquer hardwood finish. 15 x 43¼ x 13¼ in; 75 lb ..... \$1,150

#### XR 230 3-Way Speaker

10-in woofer, 5-in midrange, and 1-in dome tweeter. Solid-state current protection. Power handling 300 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover points 375 Hz and 1,200 Hz. Oak, walnut, or black-lacquer hardwood finish. 13 x 40¼ x 11¼ in; 56.6 lb ..... \$750

#### WS200 In-Wall Speaker

6-in woofer and 1-in dome tweeter. Solid-state current protection. Power handling 80 W max; FR 60-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 1,300 Hz. White grille. 8¾ x 12 x 3¼ in; 7.5 lb ..... \$599/pr  
**S3-200.** New-construction bracket ..... \$80/pr  
**S2-200.** Retrofit bracket ..... \$50/pr  
**S1-100.** Cloth grille ..... \$40/pr

#### XL 12-Way Bookshelf Speaker

6-in woofer and 1-in dome tweeter. Power handling 150 W max; FR 70-20,000 Hz; sens 85 dB SPL/W/m; imp 8 ohms; crossover point 1,000 Hz. Walnut finish. 8½ x 12¾ x 7 in; 15.5 lb ..... \$599/pr  
**XL 1W.** Subwoofer module for above. Walnut finish ..... \$549

### McNEILL

#### Big Bass Subwoofer

Acoustic-suspension design with 18-in dual-voice-coil driver. Features carpet-covered wedge enclosure with retractable carry handle. Power handling 150 W max; FR 10-80 Hz; sens 95 dB SPL/W/m; imp 4 or 8 ohms. 23 x 23 x 13 in; 59 lb ..... \$399

#### Tower 3-Way Speaker

Acoustic-suspension design with 8-in subwoofer, 8-in woofer, and 1-in tweeter. Power handling 150 W max; FR 28-22,000 Hz; sens 92 dB; imp 4 ohms. Black with gray grille. 10 x 34 x 13 in; 49 lb ..... \$399

#### Audiophile 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in tweeter. Features direct-drive inductorless crossover. Power handling 100 W max; FR 30-22,000 Hz; sens 92 dB; imp 4 ohms. Black with gray grille. 10 x 20 x 13 in; 30 lb ..... \$199

#### Baby 2-Way Speaker

Acoustic-suspension design with 4-in bass midrange and 1-in tweeter. Power handling 99 W max; FR 80-22,000 Hz; sens 92 dB; imp 8 ohms. Black with gray grille. 5 x 11 x 6 in; 7 lb ..... \$99

### MEMOREX

#### TS-5 Subwoofer/Satellite System

Subwoofer with two 5¼-in and two 6½-in drivers, and 2 satellites, each with 4-in midrange, front-firing ¾-in tweeter, and rear-firing ¾-in tweeter. Sens 91 dB SPL/W/m; imp 8 ohms; crossover points 300 and 6,000 Hz. Black-lacquer finish with black knit grille ..... \$650

#### TS-3 Subwoofer/Satellite System

Dual-ported subwoofer with 8-in driver, and 2 satellites, each with 4½-in cone midrange and 2¼-in cone tweeter. Includes wall/ceiling mounting kit. Sensitivity 89 dB SPL/W/m; impedance 8 ohms; crossover points 300 and 6,000 Hz. Black-lacquer finish with black grille ..... \$399

#### M-4100 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 2-in cone tweeter. FR 55-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,200 Hz. Oak finish with black grille. 10¼ x 23½ x 9½ in ..... \$279/pr

#### M-2100 2-Way Speaker

Acoustic-suspension design with 6½-in woofer and 2-in tweeter. FR 70-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,200 Hz. Oak finish with black grille. 7½ x 14½ x 8½ in; 7.1 lb ..... \$239/pr

#### M-1100 2-Way Speaker

Acoustic-suspension design with 5-in woofer and 2-in tweeter. FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 2,900 Hz. Oak finish with black grille. 7½ x 19½ x 7 in; 7.1 lb ..... \$199/pr

#### TRC Series

The following feature a triangular cabinet, aluminum voice coils, and ferrofluid cooling.

#### TRC-905 3-Way Speaker

Acoustic-suspension design with 8-in woofer, 5-in polymer-reinforced midrange, and ¾-in polycarbon-dome tweeter. FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 700 and 4,400 Hz. Ebony walnut finish with black knit grille. 9¼ x 35½ x 13½ in; 27.3 lb ..... \$499/pr

#### TRC-805 2-Way Speaker

Acoustic-suspension design with 8-in woofer and ¾-in polycarbon-dome tweeter. FR 66-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Ebony walnut finish with black knit grille. 9¼ x 31¾ x 13½ in; 22.5 lb ..... \$399/pr

#### TRC-505 2-Way Speaker

Acoustic-suspension design with 6½-in woofer and ¾-in polycarbon-dome tweeter. FR 70-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,400 Hz. Ebony walnut finish with black knit grille. 7½ x 19½ x 10½ in; 12.5 lb ..... \$259/pr

#### TRC-305 2-Way Speaker

Acoustic-suspension design with 5-in woofer and ¾-in polycarbon tweeter. FR 80-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Ebony walnut finish with black knit grille. 7½ x 14½ x 11 in; 10.5 lb ..... \$199/pr

#### WeatherMates

The following feature a weatherproof enclosure and a black or white finish.

# S P E A K E R S

## WM-500 2-Way Outdoor Speaker

Acoustic-suspension design with 5/4-in woofer and 1-in dome tweeter. FR 49-20,000 Hz; imp 8 ohms; crossover point 2,400 Hz. Aluminum cabinet with black metal grille. 6 x 7 x 8 in; 9.5 lb ..... \$249/pr

## WM-200 2-Way Outdoor Speaker.

Acoustic-suspension design with 4-in woofer and 1-in dome tweeter. FR 55-20,000 Hz; imp 8 ohms; crossover point 2,600 Hz. Optional aluminum finish and metal grille. 6 x 5 x 8 in; 5 lb ..... \$129/pr

## WM-100 2-Way Outdoor Speaker

Ported design with 4 1/2 woofer and 1 1/2-in cone tweeter. FR 100-17,100 Hz; imp 4 ohms. 6 x 8 x 9 in; 4.3 lb ..... \$99/pr

## MERIDIAN

### D6000 Powered Speaker System

Four 8-in woofers in sealed bass enclosure; 6 1/2-in midrange and 1-in aluminum-dome tweeter with silver voice-coil wire in separate, asymmetrically shaped head. Features four 75-W amps and digital signal processor. Digital crossover, tone control, and time and frequency EQ functions with output to four 1-bit POM D/A converters. 2 coaxial digital and 2 fiber-optic digital inputs; proprietary PLL digital-input circuitry. LED display for CD track/time, volume level, tuning/preset info from Meridian 204 tuner; remote control. FR 20-20,000 Hz; max output 112 dB SPL. Piano-black finish on head, black glass front and top on woofer enclosure with black cloth side grille ..... \$15,000/pr

### D600 Powered Speaker System

Triamplified vented design with three 65-W amps and preamp. 6 1/2-in woofer, 6 1/2-in midbass, and 1-in metal-dome tweeter; 2 analog, 2 digital, and 1 fiber-optic input. Display for source information when connected to 200 Series components. Includes remote control with frequency shaping and tilt controls. FR 36-20,000 Hz; sens 110 dB SPL/W/m. Rosewood, walnut, or black-ash finish. 8 1/4 x 35 1/2 x 11 1/8 in; 70 lb ..... \$5,500/pr

**M60.** As above, without digital processor, preamp, or display. 60 lb ..... \$3,500/pr

### M20II 2-Way Powered Speaker

Biampified vented design with two 5-in Bextreme midbass drivers, 1-in metal-dome tweeter, and two 70-W amps. Features active crossover; balanced/unbalanced inputs; auto turn-on circuit. Sens 109 dB SPL/W/m; FR 40-20,000 Hz. Walnut or black-ash finish ..... \$2,490/pr

### M30II 2-Way Powered Speaker

Biampified vented design with 6 1/2-in midbass driver, 1-in metal-dome tweeter, and twin 70-W internal amps. Features PVC surrounds; balanced/unbalanced inputs; auto turn-on circuit. FR 40-20,000 Hz; sens 106 dB SPL/W/m. Walnut or black-ash finish ..... \$1,990/pr

### P16 2-Way In-Wall Speaker

8 3/8-in woofer, 1/2-in tweeter. Power handling 70 W max; FR 6-17,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Available with round or square bezel. 8 x 8 x 3 3/8 in ..... \$400/pr

## MERLIN

The following feature a 5-year parts-and-labor warranty.

### Excalibur II 3-Way Speaker

Point-source design, mechanically time-aligned and vented. Two 8-in woofers, two 4 1/2-in midranges, and 1-in tweeter. Features mass loading; acoustic feet; Cardas wires; Music Post connectors. Power handling 200 W; FR 30-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp and phase-corrected 6-dB/oct crossover; nom imp 6 ohms; THD 0.5% above 50 Hz at 90 dB, 2% below 50 Hz at 90 dB. 14 x 64 1/2 x 17 in; 250 lb ..... \$8,400/pr

### Pendragon II 3-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 8-in woofer, 4 1/2-in midrange, 1-in tweeter. Features mass loading; acoustic feet; Cardas wires; Music Post connectors. Power handling 150 W; FR 35-20,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; imp and phase-corrected 6-dB/oct crossover; nom imp 6 ohms; THD 0.5% above 50 Hz at 90 dB, 2% below 50 Hz at 90 dB. 14 x 48 x 17 in; 165 lb ..... \$6,300/pr

### EXL II 2-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 8-in woofer and 1-in ferrofluid-cooled titanium-dome tweeter. Features time-aligned baffle; tweeter-level control; Cardas wires; Music Post connectors; 5-way copper binding posts; inductors wound with 16-gauge wire; sand-loading compartment. Biwire/biamp terminals. Power handling 120 W; FR 38-25,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; crossover point 2,200 Hz with 6 dB/oct slope; nom imp 6 ohms. 11 1/2 x 43 1/2 x 11 1/2 in; 65 lb ..... \$2,000

### EXL III 3-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 8-in woofer, 4 1/2-in midrange, and 1-in ferrofluid-cooled titanium-dome tweeter. Features time-aligned baffle; tweeter-level control; Cardas wires; Music Post connectors; copper 5-way binding posts; inductors wound with 16-gauge wire; sand-loading compartment; biwire/biamp terminals. Power handling 150 W; FR 33-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; crossover points 500 and 3,000 Hz with 6-dB/oct slopes; nom imp 6 ohms. 12 x 45 1/4 x 15 in; 120 lb ..... \$1,450

### EXL I 2-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 6-in woofer and 1-in ferrofluid-cooled titanium-dome tweeter. Features time-aligned baffle; tweeter-level control; Cardas wires; Music Post connectors; 5-way copper binding posts; inductors wound with 16-gauge wire; sand-loading compartment; biwire/biamp terminals. Power handling 80 W; FR 45-20,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; crossover point 2,700 Hz with 6-dB/oct slope; nom imp 6 ohms. 10 x 38 x 10 in; 45 lb ..... \$1,450

## META RESEARCH

### Meta-Speaker 3-Way Speaker

Rear-firing-port design with 7-in Kevlar woofer and glass-fiber inverted-dome tweeter with ferro-cobalt magnet. Features 100-dB oct crossover; polypropylene and copper capacitors. Sens 96 dB SPL/W/m ..... \$5,990/pr

## MIRAGE

### Mirage M-990 3-Way Speaker

Two 6 1/2-in polypropylene cone woofers with rubber surround, rear-radiating 5-in midrange, and 1-in titanium tweeter with cloth suspension. Bipolar radiator utilizing proprietary transducers. Biamp/biwire terminal. Power handling 175 W cont; FR 35-22,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover points 500 and 2,000 Hz. High gloss finish. 10 x 44 x 11 in; 70 lb ..... \$1,300/pr

### Mirage M-790 3-Way Speaker

8-in polypropylene cone woofer with rubber surround, rear-radiating 5-in midrange, and 1-in titanium tweeter with cloth suspension. Bipolar radiator utilizing proprietary transducers; biwire/biamp terminals. Power handling 150 W cont; FR 38-22,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover points 500 and 2,000 Hz. High gloss finish. 10 x 39 x 11 in; 60 lb ..... \$1,100/pr

### Mirage M-490 2-Way Speaker

Front-vented design with 8-in polypropylene cone woofer with rubber surround and 1-in pure-titanium tweeter with cloth suspension. Power handling 150 W cont; FR 40-22,000 Hz  $\pm 3$  dB; sens 86 dB SPL/W/m; nom imp 4 ohms; crossover point 2,000 Hz. Black-

ash vinyl finish. 10 x 19 x 11 in; 28 lb ..... \$600/pr  
API SST-13. 13-in metal stand ..... \$100/pr

### Mirage M-290 2-Way Speaker

Front-vented design with 6 1/2-in polypropylene cone woofer with rubber surround and 1-in titanium tweeter with cloth suspension. Power handling 100 W cont; FR 45-22,000 Hz; nom imp 6 ohms. Black-ash vinyl finish. 9 x 16 x 9 in; 17 lb ..... \$450/pr  
API SST-21. 21-in metal stand ..... \$120/pr

### Mirage M-190 2-Way Speaker

Rear-vented design with 6 1/2-in polypropylene-cone woofer and 3/4-in titanium tweeter. Power handling 75 W cont; FR 55-22,000 Hz  $\pm 3$  dB; sens 85 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. Black-ash vinyl finish. 7 x 12 x 8 in; 12 lb ..... \$250/pr  
API SST-25. 25-in metal stand ..... \$130  
Wall bracket ..... \$40

### Mirage 2-Way Center-Channel Speaker

Dual-vented design with two 4 1/2-in woofers and 1/2-in polycarbonate flared-dome tweeter. Features magnetic shielding; angled enclosure. Power handling 100 W cont; FR 60-22,000 Hz  $\pm 3$  dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 2,500 Hz. Black-ash vinyl. 6 x 20 x 8 in; 15 lb ..... \$170

## Mirage M Series

### Mirage M1si 4-Way Speaker

Bipolar design with two 8-in carbon-filled polypropylene front and rear woofers with 1 1/2-in voice coils, two 4 1/2-in carbon-filled polypropylene front and rear midranges, and two 3/4-in hyperbolic-dome front and rear tweeters. Biwire/biamp terminals. Power handling 400 W cont; FR 25-23,000 Hz  $\pm 2$  dB; sens 83 dB SPL/W/m; crossover points 100, 300, and 2,300 Hz; imp 6 ohms. 20 x 50 x 10 in; 185 lb ..... \$5,500/pr

### Mirage M3si 3-Way Speaker

Bipolar design with carbon-filled polypropylene woofer with 1 1/2-in voice coils, two 4 1/2-in carbon-filled polypropylene front and rear midranges, and two 3/4-in cloth-dome front and rear tweeters. Biwire/biamp terminals. Power handling 250 W cont; FR 25-23,000 Hz  $\pm 2$  dB; sens 85.5 dB SPL/W/m; crossover points 400 and 2,200 Hz; imp 6 ohms. 19 x 53 x 9 in; 130 lb ..... \$2,800/pr

### Mirage M5si 2-Way Speaker

Bipolar design with two 6 1/2-in carbon-filled polypropylene front and rear woofers with 1-in voice coils, and 3/4-in cloth-dome front and rear tweeters. Biwire/biamp terminals. Power handling 175 W cont; FR 35-20,000 Hz  $\pm 2$  dB; sens 85 dB SPL/W/m; nom imp 4 ohms; crossover point 2,200 Hz. 16 x 44 x 8 in; 75 lb ..... \$1,800/pr

### Mirage BPSS-212 Powered Subwoofer

Bipolar configuration with two 12-in woofers. Features servo feedback system. Powered by 250 W x 2 amp. Crossover with variable phase control. FR 18-150 Hz  $\pm 3$  dB. High-gloss with black cloth side panels. 20 x 26 x 19 in ..... \$1,600  
Mirage BPSS-210. As above, with two 10-in woofers and 175-W amp. FR 20-150 Hz  $\pm 3$  dB. 18 x 24 17 in ..... \$1,200

### Mirage M7si 3-Way Speaker

Bipolar design with front-radiating 8-in polypropylene cone woofer with rubber surround, 1 rear-radiating 5-in midrange, and 1 front-radiating 1-in pure-titanium tweeter with cloth suspension. Biwire/biamp terminals. Power handling 125 W cont; FR 35-22,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover points 500 and 2,000 Hz ..... \$1,300/pr

### Mirage PS-12 Powered Subwoofer

Vented cabinet with 12-in driver and 150-W amp. Protection circuitry; servo and phase controls. FR 23-150 Hz  $\pm 3$  dB. Black ash finish with black grille; 18 x 18 x 20 in ..... \$750  
Mirage PS-10. As above, with 10-in woofer and 90-W amp. FR 28-150 Hz  $\pm 3$  dB. 17 x 16 x 16 in ..... \$550

# S P E A K E R S

## MISSION

### Mission 753 3-Way Speaker

Two 5/4-in. plastiflexed paper woofers, two 5/4-in. midbasses, and one 1-in. ferrofluid-cooled dome tweeter. Features visco-elastically-damped construction; gold-plated 5-way binding posts. FR 70-20,000  $\pm$  1.5 dB; sens 90 dB SPL/W/m; crossover points 200 Hz and 2,300 Hz. Black/white lacquer or wood veneer. 8 1/4 x 34 1/2 x 12 3/8 in. .... \$1,299/pr

### Mission 765i 2-Way Speaker

Bass-reflex design with two 8-in. polypropylene drivers and 1-in. Super Elliptic Impedance Transformed tweeter. Visco-elastically damped cabinet; gold-plated 5-way binding posts. FR 70-20,000  $\pm$  1.5 dB; sens 93 dB SPL/W/m; crossover point 2,300 Hz. \$1,199/pr

### Mission 764i 2-Way Speaker

Bass-reflex design with 8-in. polypropylene woofer and 1-in. ferrofluid-cooled dome tweeter. Visco-elastically damped cabinet; 5-way binding posts. FR 70-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,500 Hz. Black ash. 10 x 34 1/4 x 13 3/8 in. .... \$989/pr

### Cyrus 782 2-Way Speaker

Bass-reflex design with two 6 1/2-in. mineral-loaded polymer midbass drivers and 3/4-in. ferrofluid-cooled fabric-dome tweeter. 3/4-in. MDF baffleboard. Biwire/blamp terminals. Adjustable and removable spikes. Power handling 150 W cont avg; FR 49-20,000 Hz  $\pm$  3 dB; sens 91.5 dB SPL/W/m; imp 4 ohms; crossover point 3,200 Hz. Natural walnut, black-ash, Nextel gray, or rosewood veneer. .... \$899/pr

### Mission 763 2-Way Speaker

Bass-reflex design with 8-in. polypropylene woofer and 3/4-in. ferrofluid-cooled fabric-dome tweeter in 3/4-in. elastically damped, critically braced cabinet. Features flared-tuned port; adjustable and removable spikes. Biwire/biamp terminals. Power handling 150 W cont avg; FR 42-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,200 Hz. Simulated rosewood, walnut, or black-ash veneer. 9 3/4 x 30 1/4 x 13 1/4 in.; 35 lb. .... \$769/pr

### Mission 752 2-Way Speaker

Bass-reflex design with two 5 1/4-in. plastiflexed paper woofers and 1-in. ferrofluid-cooled dome tweeter. Transverse-folded cabinet with visco-elastically damped walls. Gold-plated 5-way binding posts. FR 70-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; crossover point 2,500 Hz. Black/white lacquer or real wood veneer. 8 x 18 1/8 x 11 7/8 in. .... \$769/pr

### Cyrus 781 2-Way Speaker

Bass-reflex design with 6 1/2-in. mineral-loaded polymer woofer and 3/4-in. ferrofluid-cooled fabric-dome tweeter. 3/4-in. MDF baffleboard and cabinet; flared tuned-port. 5-way binding posts, biwire/biamp terminals. Power handling 125 W cont avg; FR 47-20,000 Hz  $\pm$  3 dB; sens 90.5 dB SPL/W/m; imp 6 ohms; crossover point 3,500 Hz. Natural walnut, black-ash, Nextel gray, or rosewood-wood veneer. 8 7/8 x 17 x 11 1/8 in.; 20 lb. .... \$699/pr

### Mission 751 2-Way Speaker

Bass-reflex design with 5 1/4-in. plastiflexed paper woofer and 1-in. ferrofluid-cooled dome tweeter. Transverse-folded cabinet with visco-elastically damped walls. Gold-plated 5-way binding posts. FR 70-20,000 Hz  $\pm$  2.5 dB; sens 89 dB SPL/W/m; crossover point 3,500 Hz. Black/white lacquer or wood veneer. 7 1/4 x 12 3/4 x 10 3/4 in. .... \$549/pr

### Cyrus 780 2-Way Speaker

5 1/4-in. Plastiflex woofer and 3/4-in. polymer-dome tweeter. Mineral-loaded polypropylene baffleboard. Biwire/biamp terminals. Power handling 75 W cont avg; FR 65-20,000 Hz  $\pm$  3 dB; imp 8 ohms. Black-ash or rosewood veneer. 11 1/2 x 7 1/4 x 10 in.; 12 lb. .... \$499/pr

### Mission 762 2-Way Bookshelf Speaker

Bass-reflex design with 8-in. Plastiflex woofer and 3/4-in. ferrofluid-cooled fabric-dome tweeter. Features 3/4-

in visco-elastically damped, transverse-folded cabinet; flared-tuned port; inverted drive-unit geometry. 5-way binding posts. Power handling 125 W continuous avg; FR 50-20,000 Hz  $\pm$  3 dB; sens 93.5 dB SPL/W/m; impedance 8 ohms; crossover point 4,300 Hz. Simulated walnut and black-ash veneers. 9 7/8 x 19 3/4 x 11 1/8 in.; 21 lb. .... \$499/pr

### Mission 761i 2-Way Speaker

Bass-reflex design with two 5 1/4-in. Plastiflexed paper woofers and 3/4-in. ferrofluid-cooled fabric dome tweeter. Features mineral loaded polypropylene baffleboard and cabinet. 5-way binding posts. FR 70-20,000 Hz  $\pm$  2.5 dB; sens 90 dB SPL/W/m; crossover point 2,800 Hz. Black ash. 7 1/2 x 15 x 9 1/2 in. .... \$389/pr

### Mission 760i 2-Way Speaker

5 1/4-in. Plastiflex mid bass unit and 3/4-in. polymer-dome tweeter. Mineral-loaded polypropylene baffleboard. Power handling 75 W cont avg; FR 80-20,000 Hz  $\pm$  3 dB; imp 8 ohms; crossover point 3,500 Hz. Black-ash or rosewood veneers. 11 1/2 x 7 1/2 x 8 in.; 12 lb. .... \$279/pr

## MITSUBISHI

### HTS-SUB Subwoofer

8-in. polypropylene driver. Magnetic shielding. Power handling 100 W rms; FR 38-200 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 150 Hz. 17 1/2 x 14 x 10 in. .... \$250

### HTS-SAT 2-Way Speaker

5 1/4-in. polypropylene woofer and dome tweeter. Magnetic shielding. Power handling 60 W rms; FR 70-22,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,800 Hz. 7 x 10 x 6 3/4 in. .... \$100

## MONITOR AUDIO

### Studio Series

#### Studio 20 2-Way Speaker

6-in. anodized aluminum/ceramic woofer and 1-in. anodized-gold metal-dome tweeter. Power handling 200 W; FR 35-30,000 Hz  $\pm$  3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms. Rosewood, black-piano lacquer, oak, walnut, or black-ash. 8 x 32 x 10 in. .... \$4,499/pr

#### Studio 15 2-Way Monitor Speaker

Ported design with 6-in. anodized aluminum/ceramic woofer and 1-in. anodized-gold metal-dome tweeter. Power handling 200 W; FR 35-30,000 Hz  $\pm$  3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms. Double-black lacquer finish. 8 x 20 x 10 in. .... \$3,499/pr

#### Studio 10 2-Way Bookshelf Speaker

6-in. anodized-aluminum/ceramic woofer and 1-in. anodized-gold metal-dome tweeter. Power handling 200 W; FR 40-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88.5 dB SPL/W/m. Rosewood, black-ash, walnut, or oak finish. 8 x 16 x 10 in. .... \$2,549/pr

#### Studio 5 2-Way Monitor Speaker

4 1/2-in. anodized aluminum/ceramic woofer in sealed cabinet and 1-in. anodized-gold metal-dome tweeter. Power handling 120 W; FR 50-30,000  $\pm$  3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Rosewood, black-ash, oak, or matched-walnut wood-veneer finish. 8 x 12 1/2 x 7 in. .... \$1,349/pr

### Gold Series

#### MA1800 Gold 2-Way Speaker

Double-ported design with two 6-in. polypropylene woofers and 1-in. gold metal-dome tweeter. Features balanced flow design; cabinet with sand-loading compartment. Power handling 300 W; FR 30-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Black-ash, oak, walnut, or rosewood finish. 15 x 46 x 12 in. .... \$3,499/pr

#### MA1200 Gold 2-Way Speaker

Ported design with 6-in. polypropylene woofer and 1-in. gold metal-dome tweeter. Cabinet with sand-load-

ing compartment. Power handling 200 W; FR 35-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB. Black-ash, oak, walnut, or rosewood finish. 8 x 36 x 10 in. .... \$1,999/pr

#### MA952 Gold 2-Way Speaker

Infinite-baffle design with two 6-in. polypropylene woofers and 1-in. gold metal-dome tweeter. Power handling 120 W; FR 45-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Black-ash, Kenya-black, oak, or walnut finish. 9 x 31 x 13 in. .... \$1,699/pr

#### MA852 Gold 2-Way Speaker

Infinite-baffle design with 8-in. polypropylene woofer and 1-in. gold metal-dome tweeter. Internally braced cabinet. Power handling 120 W; FR 50-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Black-ash, Kenya-black, oak, or walnut finish. 10 x 18 x 11 in. .... \$1,399/pr

#### MA700 Gold 2-Way Bookshelf Speaker

6-in. polypropylene woofer and 1-in. anodized gold metal-dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 45-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Rosewood, black-ash, walnut, or oak finish. 8 1/2 x 14 x 10 in. .... \$999/pr

#### MA10 Gold 2-Way Bookshelf Speaker

Bass-reflex design with impregnated woofer and 3/4-in. aluminum/magnesium/gold anodized dome tweeter with vented voice coil. Features magnetic shielding; rubber surround; die-cast chassis; MDF construction. Biwire/biamp terminals. Power handling 70 W; FR 60-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88.5 dB SPL/W/m. Rosewood or black-ash finish. 6 x 9 1/2 x 6 1/4 in. .... \$599/pr

### Monitor Series

The following feature MDF cabinets.

#### Monitor 14 3-Way Speaker

Two 6 1/2-in. woofers and 1-in. metal-dome tweeter. Biwireable crossover; spiked feet; sand compartment. Power handling 100 W; FR 60-20,000 Hz  $\pm$  3 dB; imp 9 ohms; sens 88 dB SPL/W/m. Black double-lacquer finish. 8 x 30 x 9 in. .... \$899/pr

#### Monitor 11 3-Way Speaker

Two 6 1/2-in. woofers and 1-in. metal-dome tweeter. Power handling 100 W; FR 60-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88 dB SPL/W/m. Black lacquer finish. 8 x 22 1/2 x 9 in. .... \$789/pr

#### Monitor 9 2-Way Bookshelf Speaker

Infinite-baffle design with 6 1/2-in. impregnated woofer and 1-in. metal-dome tweeter. Power handling 100 W; FR 55-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88 dB SPL/W/m. 8 x 14 1/2 x 8 1/4 in. .... \$489/pr

#### Monitor 7 2-Way Bookshelf Speaker

Rear-ported design with 4 1/2-in. impregnated woofer and 3/4-in. metal-dome tweeter. Power handling 70 W; FR 60-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88 dB SPL/W/m. 6 1/2 x 13 1/2 x 7 in. .... \$379/pr

## MORDAUNT-SHORT

### Classic 40 2-Way Speaker

Bass-reflex design featuring two 6 1/2-in. woofers with polypropylene injection-molded cone and surround and 1-in. metal-dome tweeter with ferrofluid cooling. Features protection circuitry. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 78 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Walnut, mahogany, or black-ash finish. 5-yr warranty. 8 1/2 x 31 1/2 x 11 in.; 38 lb. .... \$1,499/pr

### Classic 20 2-Way Speaker

Bass-reflex design featuring 6 1/2-in. woofer with polypropylene injection-molded cone and surround and 1-in. metal-dome tweeter with ferrofluid cooling. Features protection circuitry. Power handling 75 W cont avg; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Walnut, mahogany, or black-ash finish. 5-yr warranty. 8 1/2 x 14 1/2 x 10 1/2





# S P E A K E R S

position tweeter-level control. Power handling 105 W max; FR 40-20,000 Hz  $\pm 2$  dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Pearl-white finish with cloth or metal grille. \$650/pr

**Model 200 2-Way In-Wall Speaker**  
6 1/2-in polypropylene woofer with butyl surround and treated-fabric dust cap, 1-in soft-dome tweeter. 2-position tweeter level. Power handling 80 W max; FR 55-20,000 Hz  $\pm 2$  dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Pearl-white finish with metal or cloth grille; new-construction or retrofit brackets. 9 x 12 x 3 in; 5 lb. \$500/pr

**Model 100 2-Way In-Wall Speaker**  
6 1/2-in polypropylene woofer with foam surround and treated-fabric dust cap, 1-in dome tweeter. 2-position tweeter-level control. Power handling 55 W max; FR 55-20,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Pearl-white finish with cloth or metal grille; new-construction or retrofit brackets. 9 x 12 x 3 in; 3 lb. \$360/pr

**Model 75 2-Way In-Wall Speaker**  
5 1/4-in polypropylene woofer with treated urethane surround, 3/4-in polycarbonate dome tweeter. Designed for ceiling installation. Power handling 45 W max; FR 63-20,000 Hz  $\pm 4$  dB; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Pearl-white finish. Choice of square, round, or recessed lighting-type bezel and grille. Square: 6 3/8 x 6 3/8 x 2 1/2 in. Round: 7 3/8 x 3 1/2 in. \$250/pr

## NORMAN LABORATORIES

*The following feature 3/4-in thick internally braced wood cabinets and black cloth grilles.*

**Model 93 3-Way Speaker**  
12-in poly woofer. 5 1/4-in poly midrange, and 1-in dome tweeter. Power handling 350 W max; FR 35-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 14 1/2 x 26 x 9 7/8 in; 84 lb. \$300

**Model 83 3-Way Speaker**  
10-in poly woofer, 5 1/4-in poly midrange, and 1-in dome tweeter. Power handling 250 W max; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 11 7/8 x 23 x 9 3/4 in; 62 lb. \$260

**Model 82 2-Way Speaker**  
10-in poly woofer, 1-in dome tweeter. Power handling 250 W max; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 11 7/8 x 23 x 9 3/4 in; 58 lb. \$200

**Model 50 2-Way Speaker**  
6 1/2-in poly woofer and 3/8-in dome tweeter. Power handling 100 W max; FR 50-20,000 Hz; sens 90 dB SPL/W/m. 8 5/8 x 13 3/8 x 7 1/2 in; 25 lb. \$120

### Classic Series

*The following feature gold-plated 5-way connectors and a built-in pedestal.*

**Model 635 3-Way Speaker**  
Three 10-in poly woofers, 5 1/4-in poly midrange, and 1-in dome tweeter. Power handling 600 W max; FR 25-20,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. 16 3/4 x 49 x 11 in; 155 lb. \$900

**Model 435 3-Way Speaker**  
Two 10-in poly woofers, 5 1/4-in poly midrange, and 1-in dome tweeter. Power handling 500 W max; FR 30-20,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 15 x 40 x 9 3/8 in; 112 lb. \$550

**Model 335 3-Way Speaker**  
10-in poly woofer, 5 1/4-in poly midrange, and 1-in dome tweeter. Power handling 250 W max; FR 35-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 13 x 32 1/2 x 9 3/8 in; 80 lb. \$400

**Model 235 3-Way Speaker**  
10-in poly woofer, 5 1/4-in poly midrange, and 1-in dome tweeter. Power handling 250 W max; FR 38-

20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 12 x 23 x 9 3/8 in; 60 lb. \$300

## OHM ACOUSTICS

*The following are available with a walnut, oak-wood, or black-lacquer finish.*

**Walsh-5 2-Way Speaker**  
Coherent-line-source configuration with inverted-cone driver and supertweeter. Features gold-plated 5-way binding posts; protection circuitry; gold internal connectors; Monster Cable internal wiring; casters/spikes. 3 controls for lows, perspective, and highs, each with 3 positions. Power handling 650 W max; FR 25-25,000 Hz  $\pm 3$  dB; sens 88 dB; imp 4 ohms. 17 1/2 x 17 1/2 in tapering to 15 x 15 in at top, 43-in height; 95 lb. \$6,000/pr

**Walsh-300 2-Way Speaker**  
Coherent-line-source configuration with inverted-cone driver and supertweeter. Features protection circuitry; gold-plated 5-way binding posts; casters/spikes. Power handling 300 W max; FR 25-25,000 Hz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. 13 3/4 x 17 3/4 x 48 1/4 in. \$1,995/pr  
**Walsh-200.** As above, power handling 200 W max; FR 32-20,000 Hz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 11 3/4 x 15 3/4 x 42 1/4 in. \$1,395/pr  
**Walsh-100.** As above, power handling 100 W max; FR 40-20,000 Hz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 9 3/4 x 13 3/4 x 42 1/4 in. \$995/pr

**CAM-32 2-Way Bookshelf Speaker**  
6 1/2-in woofer, 10-in passive radiator, and rotatable 3/4-in polycarbonate-dome tweeter. Features protection circuitry; patented sub-bass activator. Power handling 100 W max; FR 42-20,000 Hz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black-oak vinyl finish. 11 x 11 x 32 in. \$520/pr  
**CAM-16.** As above without passive radiator. Power handling 85 W max; FR 46-20,000 Hz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 9 x 11 x 21 in. \$400/pr

## OMNI SOUND

**TCM 3 2-Way Speaker**  
Vented design with 8-in carbon graphite woofer and 1-in aluminum-dome tweeter. Power handling 200 W; FR 36-22,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 8 ohms. White, black, rosewood, teak, or walnut laminate finish. 11 x 36 x 13 in; 58 lb. \$695/pr  
**TCM 2.** As above, FR 50-22,000 Hz  $\pm 3$  dB. 11 x 20 x 11 in; 38 lb. \$595/pr  
**TCM 1.** As TCM 2, with 6 1/2-in woofer. FR 62-22,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; nom imp 4 ohms. 8 x 13 x 9 in; 22 lb. \$495/pr

## OPTIMUS BY RADIO SHACK

**Mach Three 3-Way Speaker**  
Ferrolfluid-cooled midrange and tweeter horns. Midrange- and tweeter-level controls. FR 50-25,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Walnut finish with removable cloth grille. 13 x 17 3/4 x 30 in. \$300

**Model 1050 3-Way Speaker**  
Bass-reflex design with 15-in woofer, 5-in midrange, and 3-in ferrolfluid-cooled tweeter. Features tuned port. FR 60-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish with removable grille. 11 1/8 x 29 3/8 x 17 3/8 in; 44 lb. \$200

**Model 950 2-Way Speaker**  
Bass-reflex design with 15-in woofer and ferrolfluid-cooled tweeter. Features tuned port. FR 50-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish with removable grille. 11 1/4 x 23 1/4 x 19 1/2 in. \$170

**Model 990 2-Way Speaker**  
Bass-reflex design with long-throw woofer and piezo horn tweeter. Power handling 100 W; FR 55-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut veneer with removable cloth grille. \$170

## Model 660 3-Way Speaker

Bass-reflex design with long-throw woofer, 5-in midrange, and horn tweeter. Oiled walnut veneer with removable cloth grille. \$120

## OTVOS INDUSTRIES

### Mach 7 4-Way Speaker

15-in woofer, two 6 1/2-in midranges, 1-in titanium-dome tweeter, and ribbon supertweeter. Features 3-mm layer of felt behind grill cloth; 12-element passive crossover; active crossover. Power handling 500 W; FR 28-20,000 Hz  $\pm 1$  dB; sens 89.8 dB anechoic, 92.5 dB room; imp 8 ohms; crossover points 150, 2,300, and 9,000 Hz. Cultured latex and nitro-cellulose finish. Custom finishes available. 20 x 30 x 48 in; 180 lb. \$8,400

## OWI

### LPV-53 3-Way Outdoor Speaker

Ultraviolet-protected, waterproof cabinet. Power handling 60 W rms; FR 60-22,000 Hz; imp 8 ohms; sens 93 dB. 22 x 15 x 25 in; 70 lb. \$560  
**SPV-03.** As above, power handling 50 W rms; FR 90-22,000 Hz; sens 92 dB. 18 x 12 x 24 in; 50 lb. \$450

### Model 2300 2-Way Wall/Ceiling Speaker

Flat-wave system with 5 x 5-in dynapleat woofer with strontium magnet, 1 1/2-in dyna-ribbon tweeter. Power handling 30 W nom; FR 50-20,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 5,000 Hz. Ivory or black finish. 9 x 9 x 1 1/2 in; 3 lb. \$450/pr

### Model 3301 Wall/Ceiling Speaker

Flush-mount design with 5 1/2-in Honeycomb-Ring speaker and coaxially mounted tweeter. 10-oz strontium magnet. Power handling 30 W nom; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. White finish. 10 x 1 3/4 in; 3 lb. \$450/pr

### OWI-503 3-Way Outdoor Speaker

5 1/4-in woofer, 2- and 1-in tweeters. Power handling 60 W nom; FR 60-22,000 Hz; sens 93 dB SPL/W/m; imp 8 ohm; crossover points 6,000 and 9,000 Hz. Aluminum die-cast cabinet with black or cream finish. 6 3/4 x 10 x 6 in; 7 lb. \$350/pr

### Thindy II 2301 Wall/Ceiling Speaker

Flush-mount design with 5 1/2-in Honeycomb-Ring speaker. 8 1/2-oz strontium magnet. Power handling 30 W nom; FR 65-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Black or ivory finish. 9 x 9 x 1 3/4 in; 2 lb. \$350/pr

### OWI-502 2-Way Outdoor Speaker

5 1/4-in woofer and 2-in tweeter with 10-oz magnet. Power handling 60 W rms; FR 60-19,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 6,000 Hz. Aluminum die-cast cabinet. Black, cream, or white finish. 6 3/4 x 10 x 6 in; 7 lb. \$320/pr

### OWI-900 Outdoor Subwoofer

5 1/4-in driver with 10-oz magnet. Power handling 30 W nom; FR 40-450 Hz; imp 8 ohms; sens 93 dB SPL/W/m; crossover point 430 Hz. Aluminum die-cast cabinet; black finish. 6 3/4 x 10 x 6 in. \$225

### Model 3302 Outdoor Speaker

Wall/ceiling flush-mount design with 5 1/2-in Honeycomb-Ring speaker. 10-oz strontium magnet. Power handling 30 W nom; sens 91 dB SPL/W/m; imp 4 ohms. White finish. \$200/pr

### OWI-203 3-Way Outdoor Speaker

4-in polypropylene woofer, 2- and 1 1/2-in Mylar tweeters. 10-oz strontium magnet. Power handling 100 W max; FR 90-22,000 Hz; imp 8 ohm; sens 92 dB SPL/W/m; crossover points 6,000 and 9,000 Hz. Aluminum die-cast cabinet; gray, black, or cream finish. 4 1/2 x 7 x 4 in; 5 1/2 lb. \$190/pr

### OWI-202 2-Way Outdoor Speaker

4-in polypropylene woofer, 2-in Mylar tweeter. 10-oz strontium magnet. Power handling 40 W nom; FR 90-



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Features die-cast enclosure; weather-resistant parts. Power handling 80 W cont avg; FR 48-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,400 Hz. White finish ..... \$345/pr  
**AW5-280.** As above, 2-in dome tweeter, no reinforced polypropylene. Power handling 70 W; FR 55-20,000 Hz ± 3 dB; crossover point 3,000 Hz. 6½ x 9½ x 6¾ in ..... \$265/pr  
**AWM-360.** As AWM-380, 4-in woofer. Power handling 60 W; FR 65-20,000 Hz ± 3 dB; crossover point 2,600 Hz. 4½ x 7¼ x 4½ in ..... \$155/pr

## PEGASUS

### RockMaster 3 2-Way Speaker

Vented design with 15-in woofer and 4 x 11-in horn tweeter. FR 46-20,000 Hz; sens 97 dB SPL/W/m; crossover point 3,500 Hz; imp 6 ohms. Black finish. 32 x 20 x 13 in; 79 lb ..... \$2,400/pr  
 Kit form of above ..... \$1,200/pr

### RockMaster 2 2-Way Speaker

Vented design with 12-in woofer and 4 x 11-in horn tweeter. FR 36-20,000 Hz; sens 94 dB SPL/W/m; crossover point 3,500 Hz; imp 8 ohms. Black finish. 26 x 16 x 17 in; 75 lb ..... \$2,000/pr  
 Kit form of above ..... \$1,000/pr

### RockMaster 1 2-Way Speaker

Vented design with 15-in woofer and 4 x 11-in horn tweeter. FR 58-20,000 Hz; sens 97 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Black finish. 32 x 20 x 13 in; 67 lb ..... \$1,600/pr  
 Kit form of above ..... \$800/pr

### Stereo Subwoofer

Vented design with four 8-in composite woofers. FR 32-200 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black lacquer finish. 22 x 32 x 13 in; 70 lb ..... \$1,299  
 Kit form of above ..... \$899

### Quartet Speaker System

2 vented bass modules with 6½-in woofers and 2 satellites, each with 4½-in midrange and ¾-in dome tweeter. FR 46-24,000 Hz; sens 92 dB SPL/W/m; crossover points 150 and 5,000 Hz; imp 8 ohms. Walnut or black-lacquer finish. 70 lb ..... \$1,299  
 Kit form of above ..... \$899  
**Trio.** As above, 3-piece system. FR 50-24,000 Hz; imp 8 ohms. 67 lb ..... \$1,099  
 Kit form of above ..... \$770

### Delta II 2-Way Speaker

Vented design with 6½-in woofer and 1-in dome tweeter. FR 44-20,000 Hz; sens 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Laminated English-oak finish. 20 x 9 x 13 in; 28 lb ..... \$1,100/pr  
 Kit form of above ..... \$770/pr

### Lambda 2-Way Speaker

Vented design with 6½-in woofer and ¾-in dome tweeter. FR 44-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; crossover point 4,000 Hz; imp 6 ohms. Laminated English-oak finish. 17 x 9 x 11 in; 20 lb ..... \$850/pr  
 Kit form of above ..... \$595/pr

### Alpha III 2-Way Speaker

Vented design with 5½-in woofer and ¾-in dome tweeter. Sens 87 dB SPL/W/m; crossover point 4,000 Hz; imp 8 ohms. Laminated English-oak finish. 17 x 7 x 11 in; 20 lb ..... \$600/pr  
 Kit form of above ..... \$420/pr

## PERIOD

### Model 96013 3-Way Speaker

Dual-port bass-reflex design with two 8-in woofers and two 4-in midranges in isolated subclosures, and ¾-in titanium-dome tweeter. Power handling 150 W; FR 38-20,000 Hz ± 2.5 dB; sens 93 dB SPL/W/m; imp 4 ohms. 12¾ x 50 x 9¾ in ..... \$400

### Model 96011 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in woofer and ¾-in titanium-dome tweeter. Power handling 50 W;

FR 67-20,000 Hz ± 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8½ x 13 x 8 in ..... \$260/pr

### Model 96012 2-Way Speaker

Dual-port bass-reflex design with two 6½-in woofers and ¾-in titanium-dome tweeter. Power handling 100 W; FR 43-20,000 Hz ± 2.5 dB; sens 93 dB SPL/W/m; imp 4 ohms. 12¾ x 36 x 9¾ in ..... \$250

## PHASE TECHNOLOGY

### PC-80/90 MkII Subwoofer/Satellite System

2 PC80 satellites and PC90 subwoofer (see below for details). Power handling 150 W; FR 27-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 90 and 2,500 Hz ..... \$1,200

### PC-60/50 MkII Subwoofer/Satellite System

2 PC60 satellites and PC50 subwoofer. Power handling 150 W; sens 87.5 dB SPL/W/m; imp 8 ohms; crossover points 150 and 1,200 Hz ..... \$830

### PC-40/50 MkII Subwoofer/Satellite System

2 PC40 satellites and PC50 subwoofer. Power handling 100 W rms; FR 30-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 150 and 1,500 Hz ..... \$730

### PC Series

#### PC-10-5 3-Way Speaker

10-in solid-piston woofer, Kevlar-laminated 5¼-in solid-piston midrange, and 1-in soft-dome tweeter. Power handling 120 W; FR 25-20,000 Hz + 2 dB; sens 89 dB; imp 8 ohms. Piano black finish. 13 x 44 x 13½ in; 110 lb ..... \$2,400/pr

#### PC-8.5 3-Way Speaker

10-in solid-piston woofer, 5¼-in solid-piston midrange, and 1-in soft-dome tweeter. Power handling 120 W; FR 35-20,000 Hz ± 2 dB; sens 89 dB; imp 4 ohms. Dark oak, walnut, or black finish. 13 x 39½ x 11¼ in; 90 lb ..... \$1,200/pr

**PC-6.5.** As above, 8-in woofer. Power handling 100 W; FR 42-20,000 Hz ± 2 dB. 11 x 36¾ x 9 in; 58 lb ..... \$900/pr

#### PC-80 2-Way Speaker

6½-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 100 W; FR 50-20,000 Hz ± 3 dB; sens 88 dB; imp 6 ohms. Dark-oak, light-oak, walnut, or black finish. 9½ x 15½ x 11¼ in; 32 lb ..... \$650/pr

#### PC-90 Subwoofer

Acoustic-suspension design with 10-in cone dual-voice-coil driver. Power handling 150 W; FR 27-90 Hz ± 3 dB; sens 88 dB; imp 6 ohms ..... \$550

#### PC-60 II 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent design with 6-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 100 W; FR 55-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. Walnut, stained-oak, or light-oak finish. 8 x 13½ x 8 in; 15 lb ..... \$480/pr

#### PC-40 MkII 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent design with 5½-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 80 W; FR 70-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms. Walnut, stained-oak, or light-oak finish. 6½ x 9¾ x 5¼ in ..... \$380/pr

#### PC-50 MkII Subwoofer

Acoustic-suspension design with downward-firing 10-in solid-piston driver. Features polypropylene capacitors; passive crossover. Power handling 200 W; FR 30-150 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Walnut, light-oak, or stained-oak finish. 13 x 14 x 15 in; 33 lb ..... \$350

### ES Series

#### Model 950-ES 3-Way Speaker

Low-diffraction design with 8-in polypropylene woofer, 1½-in soft-dome midrange, and 1-in soft-dome

ferrofluid-cooled tweeter. Power handling 120 W; FR 35-20,000 Hz + 3 dB; sens 90 dB; imp 8 ohms. Black cloth covered tower with black laminate top and base. 10 x 38½ x 14½ in; 68 lb ..... \$750/pr

#### Model 750-ES 2-Way Speaker

Low-diffraction design with 8-in polypropylene woofer and 1-in soft-dome ferrofluid-cooled tweeter. Power handling 100 W; frequency response 40-20,000 Hz ± 3 dB; sens 90 dB; impedance 8 ohms. Black cloth covered tower with black laminate top and base. 9¾ x 36½ x 12 in; 52 lb ..... \$550/pr

#### Model 435-ES 2-Way Bookshelf Speaker

8-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features asymmetrically mounted tweeter. Power handling 80 W; FR 45-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Black-ash or dark-oak vinyl. 12 x 22½ x 10½ in ..... \$300/pr

#### Model 335-ES 2-Way Bookshelf Speaker

Rear-vented enclosure with 6½-in cone woofer and 1-in soft-dome tweeter. Power handling 60 W; FR 65-20,000 Hz ± 3 dB; sens 90 dB. 8¼ x 13¼ x 8½ in; 25 lb ..... \$240/pr

### CI Series

#### CI 80 2-Way In-Wall Speaker

Two 6-in solid-piston woofers and 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer baskets. Power handling 100 W; FR 38-20,000 Hz; imp 8 ohms. 5-yr warranty ..... \$740/pr

#### CI-60 IV 2-Way In-Wall Speaker

6-in solid-piston woofer and 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer baskets. Power handling 80 W; FR 40-20,000 Hz; imp 4 ohms. 5-yr warranty ..... \$500/pr

#### CI-40 IV 2-Way In-Wall Speaker

5¼-in solid-piston woofer and 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer basket. Power handling 80 W; FR 55-20,000 Hz; imp 4 ohms. 5-yr warranty ..... \$400/pr

#### CI-20 IV 2-Way In-Wall Speaker

6-in cone woofer and 2¼-in cone tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer basket. Power handling 60 W; FR 55-18,000 Hz; imp 8 ohms. 5-yr warranty ..... \$300/pr

#### CI-SUB II In-Wall Subwoofer

6 x 9-in damped fel-cone driver. Power handling 100 W; FR 20-90 Hz; imp 4 ohms ..... \$275

#### CI-10 IV 2-Way In-Wall Speaker

One 5-in cone woofer and two ¼-in cone tweeters. Features auto-resetting thermal circuit breakers; 5-way binding-post outputs; screened woofer basket. Power handling 50 W; frequency response 55-18,000 Hz; impedance 8 ohms ..... \$200/pr

## PHILIPS

### DSS-930 Powered DSP Speaker System

Acoustic-suspension design with two 5¼-in woofers, rectangular polyimide-membrane tweeter, integral digital signal processor/crossover, and 2 power amps. Digital signal processing compensates for FR, phase, and crossover errors. Features four 1-bit D/A converters (2 per woofer/tweeter channels); soft-clipping tweeter-protection circuitry; digital input; 80-W woofer amp; 20-W tweeter amp. Crossover point 4,000 Hz with 36-dB/octave slope; frequency response 40-20,000 Hz ± 3 dB; signal-to-noise ratio 100 dB. 8¾ x 23 x 13 in; 35 lb ..... \$1,200  
**DSC-950.** Digital source selector for above. Features 7 analog digital inputs; multiroom capability for up to 12 DSS-930 speakers via digital bus ..... \$520



## PHYZICS

**Illusion FS 3-Way Speaker**

6-in polypropylene woofer, 6-in polypropylene mid-bass driver, and chambered aluminum-dome tweeter. Features cylindrical polymer cabinet with acoustic servo bass loading; first-incident reflection control; hard-wired crossover with air-core inductors and metallized polypropylene capacitors. Power handling 150 W cont avg; FR 50-20,000 Hz. Black-lacquer or dark-oak finish. 35 x 14 in diam; 46 lb. \$2,000/pr  
**Illusion M.** As above, two 4-in polypropylene mid-bass drivers. 38 x 7 in diameter (including stand); 32 lb. \$1,100/pr  
**Illusion WM.** As Illusion M, without stand. Designed for wall mounting. 22 x 8 in wide (including wall-mount flange); 20 lb. \$1,100/pr

## PINNACLE

The following feature proprietary dual-ported enclosures and a 7-year parts-and-labor warranty.

**PN 8+ 2-Way Bookshelf Speaker**

8-in black polypropylene woofer and 1-in polymer dome tweeter. Power handling 125 W cont avg; FR 30-21,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 1,000 and 6,000 Hz. Black-oak veneer with contrasting solid-oak trim. 11½ x 19½ x 11¾ in; 18 lb. \$440/pr

**PN 70 3-Way Speaker**

Vented design with 6½-in cellulose-fiber cone woofer with rubber surrounds, 4-in midrange with treated cone, rubber surround, and tuned isolation chamber, and 1-in metal dome tweeter with ferrofluid cooling and parabolic dish faceplate. Power handling 300 W max; FR 38-21,000 Hz; crossover points 1,400 and 7,000 Hz; imp 8 ohms; sens 93 dB. 19 x 10½ x 9¾ in; 18 lb. \$390/pr

**PN 60 2-Way Speaker**

Vented design with 6½-in cellulose-fiber cone woofer with rubber surrounds and 1-in metal-dome tweeter with ferrofluid cooling and parabolic dish faceplate. Power handling 250 W max; FR 40-21,000 Hz; crossover point 2,500 Hz; imp 8 ohms; sens 91 dB. 17½ x 10½ x 9¾ in; 17 lb. \$290/pr

**PN Sub+ Subwoofer**

Two 6½-in downward-firing drivers. Features rigidly braced, partitioned enclosure with non-parallel internal walls; switchable 1st-order crossover. Power handling 100 W cont avg; imp 4/8 ohms. 13¾ x 19½ x 11½ in. \$250

**PN 6+ 2-Way Bookshelf Speaker**

6½-in polypropylene woofer and ¾-in dome tweeter. Power handling 70 W cont avg; FR 40-21,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 4,500 Hz. Oak-accent finish. 9¼ x 15½ x 6¾ in; 13 lb. \$225/pr

**PN 5+ 2-Way Bookshelf Speaker**

5¼-in polypropylene woofer and ¾-in polycarbonate tweeter. Power handling 50 W cont avg; frequency response 50-21,000 Hz; sens 86 dB SPL/W/m; impedance 6 ohms; crossover point 5,000 Hz. 6¾ x 11¼ x 6¾ in; 9 lb. \$195/pr

**PN 2+ 2-Way Mini Speaker**

4-in cone woofer and ¾-in polycarbonate tweeter. Power handling 40 W cont avg; FR 65-21,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 5,500 Hz. Black-oak vinyl finish. 6¼ x 10¾ x 6½ in; 7 lb. \$160/pr

**PN 50 2-Way Bookshelf Speaker**

Vented design with 5¼-in mineral-filled polycarbonate woofer, 1-in metal dome tweeter with ferrofluid cooling and parabolic dish faceplate. Magnetic shielding for center-channel surround applications. Power handling 200 W max; FR 45-21,000 Hz; crossover point 2,500 Hz; imp 8 ohms; sens 87 dB SPL/W/m. 14¾ x 7¼ x 6¼ in; 9 lb. \$125

## PIONEER

**S-W1000 Powered Subwoofer**

12-in cone driver in magnetically-shielded cabinet and 2-channel power amp. Amp features switchable center-channel/sub mode; bridged BTL amp design; selectable crossover point; independent subwoofer/center-channel level controls. 70 W x 1 into 6 ohms from 20-140 Hz with 5% THD (sub only) or 30 x 1 (sub) + 25 x 1 into 6 ohms from 20-20,000 Hz with 1% THD (center channel). Black finish. 19¾ x 21 x 17¼ in; 46 lb. \$525

**S-F100 2-Way In-Wall Speaker**

6½-in woofer and 1-in titanium-dome tweeter. Power handling 60 W max; FR 200-20,000 Hz; sens 87 dB; imp 6.5 ohms. 8½ x 15¾ x 3½ in; 4 lb. \$350/pr

**CS-V935 4-Way Speaker**

Shielded bass-reflex design with 12-in woofer, 8-in midbass, 4¾-in midrange, and 2½-in tweeter. Midrange and tweeter protection. Power handling 150 W max; FR 30-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 15 x 48¾ x 12¾ in; 54 lb. \$330

**CS-M755K 3-Way Speaker**

12-in woofer, 8-in midbass, 2½-in cone midrange, and ¾-in dome tweeter. Power handling 150 W max; FR 30-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black finish. 15 x 43¾ x 12¾ in; 41.9 lb. \$220  
**CS-M755Q.** Oak finish. \$220

**S-SR55K 2-Way Speaker**

Bass-reflex design with 4-in cone midrange and 2-in cone tweeter. For surround applications. Power handling 130 W max; FR 150-20,000 Hz; sens 87 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Black or white paintable finish. 6¾ x 10¾ x 4¾ in. \$220/pr

**CS-G403 3-Way Bookshelf Speaker**

Bass-reflex design with 15¾-in woofer, 4¾-in cone midrange, and 2½-in cone tweeter. Power handling 150 W max; FR 30-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms; crossover points 2,500 and 7,000 Hz. Oak-grain vinyl finish. 17¾ x 29½ x 12¾ in; 36 lb. \$190

**CS-G303.** As above, 12-in woofer. Power handling 120 W max; FR 35-20,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms; crossover points 3,500 and 7,000 Hz. 15 x 26½ x 13 in; 30 lb. \$300/pr

**CS-G203.** As CS-G303, 10-in woofer, 3-in midrange, and 2½-in tweeter. Power handling 100 W max; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 3,000 and 6,000 Hz. 13¾ x 24 x 11½ in; 21 lb. \$220/pr

**CS-M555K 3-Way Speaker**

12-in cone woofer, 4¾-in cone midrange, and 2½-in cone tweeter. Power handling 150 W max; FR 32-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black finish. 15 x 35½ x 10¾ in; 30 lb. \$170  
**CS-M555Q.** Oak finish. \$170

**CS-G103 2-Way Bookshelf Speaker**

Infinite-baffle design with 10-in woofer and 2½-in tweeter. Power handling 50 W max; FR 55-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 5,000 Hz. Oak-grain vinyl finish. 13 x 22½ x 7¾ in; 14 lb. \$160/pr

**S-X7 Full-Range Speaker**

Bass-reflex design with 3½-in full-range cone driver. Designed for surround applications. Features sens selector switch. Power handling 30 W max; FR 100-20,000 Hz; sens 90 dB SPL/W/m; imp 16 ohms. Black-vinyl finish. Wall/ceiling mountable. 5¾ x 7½ x 4½ in; 3 lb. \$140/pr

**CS-C300 2-Way Center-Channel Speaker**

Bass-reflex design with 7-in cone woofer and 2½-in cone tweeter. Designed for home-theater applications. Magnetic shielding. Power handling 70 W max; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black finish with black-melamine finish on top board. 8¾ x 13¾ x 7¾ in; 8 lb. \$70

**CS-C250 2-Way Center-Channel Speaker**

Bass-reflex design with 6-in cone woofer and 2½-in cone tweeter. Designed for home-theater applications. Magnetic shielding. Power handling 65 W max; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak or black finish. 6¾ x 11¾ x 6½ in; 5 lb. \$65

**CS-X500 Full-Range Speaker**

Infinite-baffle design with 4-in full-range cone driver. Designed for surround applications. Power handling 30 W max; FR 100-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak or black finish. Wall/ceiling mount. 5½ x 7½ x 5 in; 3 lb. \$65/pr

**Subwoofer/Satellite Systems**

Each satellite is magnetically shielded, features a 4-in midrange and a 2½-in tweeter, and measures 6¾ x 10¾ x 4¾ in. Each surround speaker features a 4-in midrange and a 2-in tweeter and measures 6¾ x 10¾ x 4¾ in. Each subwoofer features two 4¾-in drivers, a black finish, and measures 7½ x 21½ x 16½ in. Satellite and surround speakers are available in black or white finish. Common specs for all systems except S-SR55, include power handling 130 W max; FR 40-20,000 Hz; sens 87 dB SPL/W/m; crossover points 150 and 1,300 Hz; imp 8 ohms.

**S-V401.** 3 satellites, 2 surround speakers, and 1 subwoofer. Power handling 130 W max. Black or white finish. \$880

**S-V301.** 2 satellites, 2 surround speakers, and 1 subwoofer. Black or white finish. \$770

**S-4D.** 3 satellites and one subwoofer. \$660

**S-3D.** 2 satellites and one subwoofer. \$550

**S-SR55.** 2 surround speakers. Power handling 130 W max; FR 150-15,000 Hz; sens 87 dB SPL/W/m; crossover point 3,000 Hz. \$220

**Elite Series**

The following feature 2 woofers mounted back-to-back and joined by a bar.

**TZ-9LTD 3-Way Speaker**

Bass-reflex design with two 10-in woofers, 2½-in dome midrange, and 1-in dome tweeter. Features ceramic-graphite tweeter and midrange diaphragms; midrange and tweeter mounted on separate boards; internally braced enclosure. Biamp/blwire terminals; gold-plated binding posts. Power handling 300 W max; FR 20-40,000 Hz; sens 91 dB SPL/W/m; imp 4 ohms; crossover points 600 and 4,000 Hz. Piano black finish. 14¾ x 47¼ x 16¾ in; 143 lb. \$1,400

**TZ-7LTD 3-Way Speaker**

Bass-reflex design with two 8-in woofers, 4-in cone midrange, and 1-in dome tweeter. Features ceramic-carbon tweeter diaphragm; internally braced enclosure. Biamp/blwire terminals; gold-plated binding posts. Power handling 250 W max; FR 20-40,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 800 and 4,000 Hz. Piano black finish. \$700

## POLK

**SRS 1.2TL Signature Reference 3-Way Speaker**

Eight 6½-in trilaminar-polymer woofers, four 1-1/2-in trilaminar-polymer-dome tweeters, and 15-in planar sub-bass radiator. Incorporates proprietary Stereo Dimension Array technology for improved imaging. Power handling 1,000 W cont avg; FR 27-25,000 Hz -3 dB; imp 8 ohms. Oiled-oak or walnut finish. 21 x 63½ x 13½ in; 185 lb. \$3,400/pr

**SRS 2.3TL Signature Reference 3-Way Speaker**

Six 6½-in trilaminar-polymer woofers, three 1-in trilaminar-polymer-dome tweeters, and 15-in planar sub-bass radiator. Incorporates proprietary Stereo Dimension Array technology for improved imaging. Power handling 750 W cont avg; FR 30-25,000 Hz -3 dB; imp 8 ohms. Oiled-oak or walnut finish. 20¾ x 55 x 13½ in; 155 lb. \$2,500/pr

**SRS 3.1TL Signature Reference 3-Way Speaker**

Five 6½-in trilaminar-polymer woofers, 1-in trilaminar-polymer/metal dome tweeter, and 12-in pla-



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— Julian Hirsch, *Stereo Review*

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# S P E A K E R S

W cont avg; FR 32-22,000 Hz; sens 87.5 dB SPL/W/m; imp 4 ohms; crossover points 800 and 2,800 Hz. 29 x 9 x 11 in ..... \$1,200/pr

### Merin 3-Way Bookshelf Speaker

Bass-reflex design with 7-in woofer, 4-in midrange, and 1-in ferrofluid-cooled tweeter. Power handling 80 W cont avg; FR 32-22,000 Hz; sens 87.5 dB SPL/W/m; imp 4 ohms; crossover points 800 and 2,800 Hz. 18 x 9 x 11 in ..... \$1,000/pr

### Dauphin 2-Way Bookshelf Speaker

Bass-reflex design with 7-in woofer and 1-in ferrofluid-cooled tweeter. Power handling 60 W cont avg; FR 36-22,000 Hz; sens 87.5 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. 15 x 9 x 11 in ..... \$800/pr

### Phonologue C Series

The following feature a black-oak finish.

### Largo 2-Way Bookshelf Speaker

Bass-reflex design with 7-in woofer and 3/4-in titanium-dome tweeter. Power handling 60 W cont avg; FR 40-25,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. 14 x 9 x 7 in ..... \$1,580/pr

### Orkus Powered Subwoofer

Active subwoofer with 100-W amp. FR 30-110,000 Hz; THD 0.008%; damping factor 100. 12 x 12 x 17 in ..... \$1,500

### Rondo 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 3/4-in titanium-dome tweeter. Power handling 50 W cont avg; FR 45-25,000 Hz; sens 84 dB SPL/W/m; imp 4 ohms; crossover point 3,500 Hz. 12 x 8 x 9 in ..... \$975/pr

### Ipsos 2-Way Speaker

Bass-reflex design with 5-in woofer and 1-in titanium-cup tweeter. Power handling 50 W nom; FR 50-22,000 Hz; sens 84 dB SPL/W/m; imp 4 ohms; crossover point 3,500 Hz. 10 x 6 x 7 in ..... \$975

## QUANTA

### Great Pyramid Subwoofer/Satellite System

2 subwoofers, each with 12-in driver, and 2 satellites, each with 6 1/2-in cone midrange and 1 1/8-in dome tweeter. FR 25-20,000 Hz  $\pm$  3 dB; sensitivity 92 dB SPL/W/m; crossover points 75 and 2,000 Hz; nominal impedance 8 ohms. Brown knit grille; optional wood finish. 500 lb ..... \$78,000

### Full Pyramid 3-Way Speaker System

2 subwoofers, each with one 10-in driver, and 2 satellites, each with 5 1/4-in cone midrange and 1 1/8-in dome tweeter. FR 27-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover points 75 and 2,000 Hz; nominal impedance 8 ohms. Matte-black finish; gray knit grille. 400 lb ..... \$38,000

### The Pyramid 2-Way Speaker

Vented design with 8-in woofer, 1 1/8-in dome tweeter. Sens 93 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Optional finish ..... \$8,500/pr

### C-Subwoofer

Vented design with two 10-in drivers. FR 26-200 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; nom imp 8 ohms. Matte-black finish and black knit grille ..... \$6,500

### Baby Pyramid MkIII 2-Way Speaker

Vented design with 5 1/4-in woofer and 1 1/8-in dome tweeter. FR 50-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; crossover point 2,000 Hz ..... \$5,500/pr

### Baby Pyramid MkII 2-Way Speaker

Vented design with 5 1/4-in woofer and 1 1/8-in dome tweeter. FR 54-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Matte-black finish and gray knit grille ..... \$3,990/pr

### B-Subwoofer

Hybrid-Line design with 10-in driver. FR 25-200 Hz;  $\pm$  3 dB; sens 92 dB SPL/W/m; nom imp 8 ohms.

Matte-black finish and black knit grille. 34 x 14 x 24 in; 78 lb ..... \$3,250  
Kit form ..... \$2,450

### VII MkII 2-Way Speaker

Hybrid-Line design with 8-in woofer and 1 1/8-in dome tweeter. Frequency response 29-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; nominal impedance 8 ohms. Matte-black finish and gray knit grille ..... \$2,990/pr  
Kit form ..... \$2,350/pr

### III MkII 2-Way Speaker

Hybrid-Line design with 6 1/2-in woofer and 1-in dome tweeter. FR 47-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Matte-black finish and gray knit grille ..... \$1,490/pr  
Kit form ..... \$1,045/pr

### A-Subwoofer

Vented design with 8-in driver. FR 30-200 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 8 ohms ..... \$1,290  
Kit form ..... \$899

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# Proof you can grow up without becoming square.

## Studio 1a 2-Way Speaker

Bass-reflex design with polypropylene woofer and aluminum-dome tweeter. Features biwireable crossover. Power handling 220 W; FR 45-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; Imp 8 ohms. Walnut, teak, or black finish. 12 x 25 x 12 in; 40 lb ..... \$1,600/pr

## LS8a 3-Way Speaker

Modified acoustic-suspension design with two 8 $\frac{1}{4}$ -in polypropylene woofers and  $\frac{3}{4}$ -in aluminum-dome tweeter. Features Butterworth 3rd-order alignment with -3 dB at 50 Hz; damped particleboard construction with MDF baffle; Kapton voice-coil former. Biamp/biwire terminals. Includes foot spikes. Power handling 100 W; FR 50-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; nom imp 8 ohms. Simulated walnut or black veneer; black woven-cloth grille. 11 x 18 x 10 $\frac{7}{8}$  in; 28.6 lb ..... \$1,100/pr

## LS3/5a 2-Way Bookshelf Speaker

Bass-reflex design with 5-in polypropylene woofer and  $\frac{3}{4}$ -in tweeter. Features 2nd-order high-pass acoustic transfer at 70 Hz; damped Birch construction. Power handling 100 W; FR 70-20,000 Hz  $\pm$  3 dB; sens 82.5 dB SPL/W/m; nom imp 11 ohms. Walnut, teak, or black-ash veneer; black woven-cloth grille. 7 $\frac{1}{2}$  x 12 x 6 $\frac{1}{2}$  in; 12 lb ..... \$999/pr

## LS6a/2 2-Way Speaker

Features biwireable crossover. Power handling 150 W; FR 50-20,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut or black. 10 $\frac{3}{4}$  x 20 x 11 in; 33 lb ..... \$900/pr

## LS4a/2 2-Way Bookshelf Speaker

Acoustic-suspension design with 8 $\frac{1}{4}$ -in woofer and  $\frac{3}{4}$ -in aluminum-dome tweeter. Features Butterworth 2nd-order alignment with -3 dB point at 55 Hz; damped particleboard with MDF baffle. Biamp/biwire terminals. Power handling 100 W; FR 55-20,000 Hz  $\pm$  2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz with 18-dB/oct slope. Simulated black/walnut veneer; black woven-cloth grille. 10 x 17 x 9 $\frac{5}{8}$  in; 17.2 lb ..... \$750/pr

## LS2a/2 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polypropylene woofer and  $\frac{3}{4}$ -in aluminum-dome tweeter. Features Butterworth quasi-3rd-order alignment with -3 dB at 60 Hz; critically-damped particle board with MDF baffle; Kapton voice-coil former. Power handling 100 W; FR 80-20,000 Hz  $\pm$  2 dB; sens 86.5 dB SPL/W/m; nom imp 8 ohms; crossover point 3,500 Hz with 18-dB/oct slope. Simulated walnut or black veneer; black woven-cloth grille. 9 x 14 x 18 $\frac{1}{4}$  in; 13.2 lb ..... \$550/pr

## Speaker Stands

The following include adjustable carpet-piercing spikes.

S59. For LS5/9 and LS4a speakers. 44 lb ..... \$225

S40. For Studio 1a, LS6a, and LS7i speakers. Black. 38 lb ..... \$200

S55. For LS2a and LS3/5a speakers. Black. 40 lb ..... \$200

## ROSSMAN

### SA1.0 2-Way Powered Speaker

Bass-reflex biampified design with 8-in poly-cone woofer, 1-in dome tweeter, 10-W tweeter amp, and 40-W woofer amp. Features 18-dB/oct crossover. Bass, treble, and volume controls with tone-defeat switch. Crossover point 2,300 Hz; Input imp 100 kilohms; FR 40-20,000 Hz  $\pm$  3 dB ..... \$600/pr

SA.5a. As above, with 5-in woofer. FR 55-22,000 Hz  $\pm$  3 dB ..... \$500/pr

## RUSSOUND/FMP

### SP 610 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features auto tweeter reset. Power handling 80 W rms; FR 40-20,000 Hz; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 2,500 Hz. 8 x 11 $\frac{3}{4}$  x 3 $\frac{5}{8}$  in ..... \$360/pr



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**Obelisk 3-Way Speaker**

Folded double-prism 5-in hybrid transmission-line design with 8-in asymmetrically positioned polywoof-er, 10-in mass-loaded-membrane polypropylene passive radiator, two 1 3/8-in cambric-dome mid-ranges, four 3/8-in W-shaped dome tweeters. Power handling 500 W; nom imp 6 ohms. Walnut or oak standard finish; other finishes available. 14 1/2 x 29 x 12 1/2 in; 55 lb ..... \$2,150/pr

**Double Eagle Stereo Subwoofer**

One enclosure with two acoustically separated 8-in polypropylene drivers and two 10-in polypropylene passive radiators. FR 26-1,000 Hz -3 dB; nom imp 6 ohms; crossover point 140 Hz with 18-dB/oct slope. Walnut finish on Finland birch. Other finishes avail-able. 23 x 30 x 14 in; 105 lb ..... \$1,400

**Arc 3-Way Speaker**

Vertical transmission-line design with 8-in polypropylene woofer, 10-in viscous-damped passive radi-ator, 1 3/8-in cambric-dome midrange, and 1-in titanium tweeter. Features time-aligned phase-correct driver placement. Power handling 350 W; nom Imp 4 ohms. Natural, medium, or dark-oak finish on 3/4-inch fiber-board. 14 x 27 1/2 x 9 3/4 in; 42 lb ..... \$1,350/pr

**Hawk Subwoofer**

Folded transmission-line enclosure with 8-in driver with dynamic damping, 10-in passive radiator. Features satellite-speaker inputs; multiple crossover points for low- and high-pass filters. Power handling 150 W; FR -3 dB at 25 Hz, uniform 250/500 Hz; imp 6 ohms. 14 1/2 x 30 x 11 1/4 in; 60 lb ..... \$900

**Super Elf 2-Way Speaker**

Vented design with 5 1/4-in polypropylene woofer and 1-in polypropylene-dome tweeter. Power handling 150 W; FR 55-18,000 Hz -3 dB; nom imp 6 ohms. Natural, medium, or dark-oak finish. 6 5/8 x 12 1/2 x 7 1/4 in; 17 lb ..... \$750/pr

**SIGNET**

**SL280 2-Way Speaker**

Vented enclosure with 8-in polypropylene woofer with rubber surround and 1-in ferrofluid-cooled alu-minum-dome tweeter. Features crossover with air-core inductors, polypropylene capacitors, and OFC wiring; injection-molded magnesium frame; biwire/biamp terminals. Power handling 150 W; FR 40-25,000 Hz; sens 89 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz. Oak veneer. 9 3/4 x 25 x 12 7/8 in; 37 lb ..... \$900/pr

SL280B/U. As above, black vinyl ..... \$700/pr

**SL260 2-Way Speaker**

Vented enclosure with 6-in polypropylene woofer with rubber surround and 3/4-in ferrofluid-cooled alu-minum-dome tweeter. Features crossover with air-core inductors, polypropylene capacitors, and OFC wiring; biwire/biamp terminals; injection-molded magnesium frame. Power handling 125 W; FR 45-25,000 Hz; sens 88 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz. Oak veneer. 8 1/8 x 15 1/2 x 12 7/8 in; 23 lb ..... \$650/pr

SL260B/U. As above, black vinyl ..... \$450/pr

**SL230 Subwoofer/Satellite System**

Subwoofer with 2 slot-loaded 6-in drivers, and 2 satellites, each with 3 1/2-in injection-molded mid-range and 3/4-in ferrofluid-cooled dome tweeter. Crossover with film capacitors and protection cir-cuits. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 88 dB SPL/W/m; crossover points 200 and 3,000 Hz. Satellites finished in oak veneer, sub-woofer in black vinyl. Subwoofer: 13 x 21 x 6 3/4 in. Satellites: 4 7/8 x 8 1/8 x 4 3/8 in ..... \$600

SL230B/U. As above, satellites finished in black vinyl ..... \$500

**SL250B/U 2-Way Speaker**

Vented enclosure with 5 1/2-in paper cone woofer with rubber surround and 3/4-in metallized-polycarbonate dome tweeter with ferrofluid-cooled voice coil. Fea-

tures crossover with air-core inductors, polypropy-lene capacitors, and OFC wiring. Power handling 100 W; FR 50-22,000 Hz; sens 88 dB SPL/W/m; crossover point 3,300 Hz. Black-vinyl finish. 12 1/2 x 10 x 7 in; 17 lb ..... \$300/pr

**SL240B/U 2-Way Speaker**

Vented enclosure with 5 1/4-in woofer and 3/4-in metal-ized-polycarbonate dome tweeter with ferrofluid-cooled voice coil. Features magnetic shielding. Power handling 75 W; FR 65-20,000 Hz; sens 88 dB SPL/W/m; crossover point 4,000 Hz. Black-vinyl finish. 7 x 10 1/4 x 6 in; 6 lb ..... \$200/pr

**SNELL ACOUSTICS**

**Type A-III 4-Way Speaker**

Acoustic-suspension design with 12-in woofer, 4-in midrange, 1-in front tweeter, and 3/4-in rear tweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 250 W cont; FR 33-22,000 Hz ± 1.5 dB; imp 8 ohms; sens 86 dB SPL/W/m; crossover points 275, 2,700, and 10,000 Hz. Hand-rubbed matching oak, dark oak, walnut, or black veneer finish ..... \$5,990/pr

**Type B 4-Way Speaker**

10-in rear-firing subwoofer, 10-in woofer, two 5 1/4-in polypropylene midranges, 1-in aluminum-dome tweeter, and 3/4-in rear-firing tweeter. FR 20-20,000 Hz; min imp 4 ohms; sens 86 dB SPL/W/m; crossover points 40, 275, 2,700, and 5,000 Hz. 25 x 48 x 19 in; 152 lb ..... \$4,490/pr

**Type B Minor 3-Way Speaker**

12-in side-firing woofer, two 5 1/4-in cast-frame poly-propylene-cone midranges, 1-in front tweeter, and 3/4-in rear tweeter. FR 20-20,000 Hz ± 2 dB, min imp 4 ohms; sens 88 dB SPL/W/m ..... \$3,390/pr

**Type C-IV 3-Way Speaker**

Bass-reflex design with 10-in woofer, 5-in midrange, 1-in ferrofluid-cooled aluminum-dome tweeter, and 3/4-in switchable rear tweeter. Features 24-dB/octave crossover; biwire/biamp terminals. Power handling 250 W cont; FR 34-22,000 Hz ± 3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms; crossover points 275 and 2,700 Hz. Hand-rubbed matching oak, dark-oak, wal-nut, or black veneer finish. 14 1/2 x 46 x 11 3/4 in; 95 lb ..... \$2,190/pr

**Type E/III 2-Way Speaker**

Bass-reflex design with 8-in polymer-treated woofer, 1-in soft-dome tweeter, and 3/4-in ferrofluid-cooled rear-loaded dome supertweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 150 W cont; FR 39-20,000 Hz ± 1.75 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,700 Hz. Oak, dark-oak, walnut, and black veneer finish. 13 x 35 x 11 in; 50 lb ..... \$990/pr

E/III Stand. Raises speakers 12 in; spiked, hollow-column design can be filled with sand or lead shot ..... \$120/pr

**Type Q 2-Way Bookshelf Speaker**

6 1/2-in polypropylene cone woofer, 1-in rear-firing textile-dome tweeter, and 3/4-in rear-firing tweeter. Each speaker individually adjusted to match refer-ence speaker; flush grille designed to reduce diffrac-tion. Power handling 150 W cont; FR 75-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 2,200 Hz. Oak, dark-oak, walnut, or black veneer finish. 10 1/2 x 15 1/2 x 6 3/4 in; 23.5 lb .. \$790/pr

**Type Q Stand.** Bolts directly to above; can be mass-loaded with sand or lead; includes foot spikes. Black veneer finish. 32-in height. 10 lb ..... \$120/pr

**Type J/III 2-Way Bookshelf Speaker**

Bass-reflex design with 8-in polymer-treated cone woofer and 1-in soft-dome tweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 150 W cont; FR 49-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,700 Hz. Oak, dark-oak, walnut, or black veneer. 13 x 23 x 10 in ..... \$690/pr

**Type K-II 2-Way Bookshelf Speaker**

Acoustic-suspension design with 8-in polypropy-lene woofer and 3/4-in ferrofluid-cooled soft-dome tweeter. Biwire/biamp terminals. Adjustable cross-over points. Power handling 100 W cont; FR 70-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,700 Hz. Oak, dark oak, walnut, or black veneer finish. 11 x 18 x 9 in; 26 lb ..... \$475/pr

K-II-v. As above, with magnetic shielding ..... \$245

**SNELL MULTIMEDIA**

**SUB-1800 Subwoofer**

18-in cast-frame and driver in 4th-order vented en-closure. Features 3-in peak-to-peak excursion. FR 17-80 Hz; imp 8 ohms; sens 90 dB SPL/W/m. High-gloss black veneer. 21 1/2 x 45 x 16 1/2 in ..... \$2,399

**LCR-1800 2-Way Speaker**

Two 8-in woofers and one 1-in tweeter. FR 80-20,000 Hz; min imp 4 ohms; sens 93 dB SPL/W/m ..... \$1,399

**SUR-800 3-Way In-Wall Speaker**

Flush-mount dipole design with 5-in woofer, two 4 1/2-in cone midranges, and two 1-in aluminum-dome tweeters. FR 125-20,000 Hz; min imp 4 ohms; sens 85 dB SPL/W/m. Black brushed-aluminum finish. 25 3/8 x 12 x 3 1/2 in; 22 lb ..... \$1,299

**LCR-800 2-Way In-Wall Speaker**

Two 6 1/2-in polypropylene-cone cast-frame woofers and two 3/4-in aluminum-dome tweeters. FR 80-20,000 Hz; imp 4.2 ohms; sens 89 dB SPL/W/m. Gold Iridite brushed aluminum. 12 x 21 3/8 x 3 3/8 in; 26 lb ..... \$999

HCC-800. As above, optimized for horizontal place-ment ..... \$999

**SUB-800 In-Wall Subwoofer**

Acoustic-suspension design with 12-in cast-frame driver. FR 20-80 Hz; imp 5.6 ohms; sens 90 dB SPL/W/m. 14 1/4 x 53 x 6 7/8 in; 70 lb ..... \$799

**LCR-500 2-Way Speaker**

Two 6 1/2-in polypropylene woofers and two 3/4-in aluminum-dome tweeters. Designed for front place-ment in home-theater systems. Features magnetic shielding. FR 80-20,000 Hz; sens 89 dB; imp 8 ohms. High-gloss black veneer finish. 9 1/2 x 22 x 7 3/8 in; 35 lb ..... \$799

HCC-500. As above, optimized for horizontal place-ment ..... \$799

**SUR-500 2-Way Center-Channel Speaker**

Two 6 1/2-in polypropylene woofers and two 1-in alu-minum-dome tweeters with compact dipole design. Power handling 150 W cont avg; FR 125-20,000 Hz; sens 85 dB; imp 8 ohms. High-gloss black veneer finish. 9 1/2 x 16 1/2 x 7 3/4 in; 30 lb ..... \$799

**SUB-750 Subwoofer**

Acoustic-suspension design with 12-in cast frame driver. FR 20-80 Hz; sens 90 dB SPL/W/m; imp 8 ohms. High-gloss black veneer finish. 18 3/4 x 23 x 11 1/2 in; 60 lb ..... \$499

**SONANCE**

**Sonance 45 2-Way In-Wall Speaker**

Infinite-baffle design with 8-in polypropylene woofer and 1-in soft-dome tweeter. Die-cast woofer frame; 4th-order Butterworth crossover at 2,700 Hz. 3-posi-tion high-frequency switch. Power handling 100 W; FR 35-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; nom imp 8 ohms. Waterproofing available. 12 x 16 x 3 1/2 in; 12 lb ..... \$695/pr

**Sonance 40 2-Way In-Wall Speaker**

Infinite-baffle design with 8-in polypropylene woofer and 1-in soft-dome tweeter. Features woofer with treated-urethane surround and screened basket; 3-position tweeter-level control. Power handling 75 W; FR 40-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; cross-over 18 dB/oct at 2,800 Hz; nom imp 8 ohms. Water-proofing available. 12 x 16 x 3 1/2 in ..... \$525/pr

# S P E A K E R S

## AIS 500 2-Way In-Wall Speaker

Infinite-baffle design with 4-in polypropylene woofer, angled 1-in ferrofluid-cooled polycarbonate tweeter, and angled 3/2-in polypropylene full-range driver. Features 6-dB/octave low-pass crossover; 12-dB octave high-pass crossover. Power handling 75 W; FR 60-20,000 Hz  $\pm$  5 dB; sensitivity 89 dB SPL/W/m; nom impedance 6 ohms; crossover point 3,200 Hz. 12 1/8 x 16 1/8 x 3 1/2 in ..... \$499/pr

## S3500 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and pivoting 1-in soft-dome tweeter with neodymium magnet. Features 3-position treble and bass level switches; low/high-pass crossover; screened woofer basket. Power handling 75 W max; FR 45-20,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m; nom imp 8 ohms; crossover points 175 and 3,000 Hz. Includes bracket and metal or fabric grille; white. 8 1/8 x 12 1/4 x 3 in ..... \$499/pr

## MB30 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 6 1/2-in filled polypropylene woofer and 1-in soft-dome tweeter. Features butyl woofer surround; 1 1/4-in voice coil; weather resistance. Power handling 110 W; FR 60-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; nom imp 8 ohms. Includes white or black hanging bracket; cloth or stainless-steel grilles; white/black ABS plastic enclosure. 8 3/8 x 13 x 8 1/2 in ..... \$499/pr

## PSW2 In-Wall Subwoofer

Infinite-baffle design with dual-voice-coil 8-inch driver. Features crossover with 3-position level control; LR inputs and outputs. Power handling 75 W; FR 30-125  $\pm$  3 dB; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover point 125 Hz. White with cloth or metal grille. 12 x 16 x 3 1/2 in; 14 lb ..... \$460

## Sonance Ilic 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and 1-in soft-dome tweeter. Features woofer with treated-urethane surround and screened basket; 2-position level control; 12-dB/oct crossover at 3,000 Hz. Power handling 75 W; FR 45-20,000  $\pm$  2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms. White ABS with cloth or metal grille. 9 x 12 x 3 1/4 in; 9 lb ..... \$399/pr

## MB20 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 6 1/2-in polypropylene woofer and 1-in polycarbonate-dome tweeter. Features urethane-woofer surround; weather resistant components. Power handling 75 W; FR 65-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 8 ohms. Includes white or black hanging bracket, cloth or stainless-steel grille. White/black ABS plastic enclosure. 8 3/8 x 13 x 8 1/2 in ..... \$399/pr

## SB31 2-Way Indoor/Outdoor Speaker

Sealed-box design with 4-in polypropylene woofer and 1-in soft-dome tweeter. Features weather resistant components. Power handling 50 W; FR 70-20,000  $\pm$  2 dB; sens 87 dB SPL/W/m; nom imp 6 ohms. Includes wall-hanging bracket. Cloth or stainless steel grille. 5 1/2 x 8 1/2 x 5 3/8 in ..... \$325/pr

## M30v 2-Way In-Wall Speaker

Infinite-baffle design with 4-in polypropylene woofer and 1-in polycarbonate fluid-damped tweeter. Features magnetic shielding. Power handling 60 W; FR 65-20,000 Hz  $\pm$  2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms. 6 1/2 x 9 1/8 x 3 in ..... \$310/pr

## S2R 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and coaxially mounted, 1-in polycarbonate tweeter. Urethane woofer surround; screened woofer basket; mounting bracket with telescoping adjustment. Power handling 50 W; FR 65-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 8 ohms. Cloth or metal grille. 9 7/8-in diameter x 3 1/2-in deep ..... \$290/pr

## S3R 2-Way In-Wall Speaker

6 1/2-in dual-voice-coil polypropylene woofer and coaxially-mounted, pivoting 1-in ferrofluid-cooled soft-dome tweeter with neodymium magnet. Power han-

dling 75 W; FR 45-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 6 ohms. 9 7/8-in diameter x 3 1/2-in deep ..... \$NA

## Sonance II 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and 1-in ferrofluid-damped polycarbonate tweeter. Treated-urethane woofer surround; screened woofer basket. Power handling 50 W; FR 55-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover 6 dB/oct at 3,200 Hz. White ABS with cloth or metal grille. 9 x 12 x 3 1/4 in; 8 lb ..... \$265/pr

## M20 2-Way In-Wall Speaker

Infinite-baffle design with 4-in polypropylene woofer and 3/4-in polypropylene fluid-damped tweeter. 1st-order crossover. Power handling 50 W; FR 70-20,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; nom imp 8 ohms; crossover point 3,500 Hz. 6 1/2 x 9 1/8 x 3 in ..... \$230/pr

## Sonance IA 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and 2-in cone tweeter. Power handling 50 W; frequency response 70-17,000 Hz  $\pm$  5 dB; sens 89 dB SPL/W/m; 6-dB/octave crossover at 3,000 Hz; nom impedance 8 ohms. White ABS with cloth or metal grille. 9 x 12 x 3 in ..... \$195/pr

## SB11 Indoor/Outdoor Speaker

Sealed-box design with 4-in polypropylene full-range driver. Features weather resistant components; ABS plastic cabinet. Power handling 45 W; FR 90-15,000 Hz  $\pm$  5 dB; sens 85 dB SPL/W/m; nom imp 8 ohms. Wall-hanging bracket. White or black with cloth or stainless-steel grille. 5 1/2 x 8 1/8 x 5 3/8 in ..... \$179/pr

## M10 In-Wall Speaker

Infinite-baffle design with 4-in full-range polypropylene driver. Driver features urethane surround and paper whizzer. Power handling 45 W; FR 70-15,000 Hz  $\pm$  5 dB; nom imp 8 ohms; sens 87 dB SPL/W/m. White ABS with cloth or metal grille. 6 1/2 x 9 1/4 x 2 1/2 in ..... \$140/pr

## M10R In-Wall Speaker

Infinite-baffle design with 4-in full-range polypropylene driver. Features movable speaker terminals. Power handling 45 W; FR 70-15,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; nom imp 8 ohms. 7 1/4-in diameter x 3 3/8-in deep ..... \$155/pr

## Mounts

**Ball-Socket Mount.** Aluminum and plastic; stainless-steel hardware. White or black finish. MB size ..... \$130  
SB size ..... \$75  
**C Mounts.** Single-axis mount; stainless-steel hardware. White or black MB size ..... \$89  
SB size ..... \$50

## Grilles

**Stainless-Steel.** For 45, 40, and PSW2 ..... \$87  
For Ilic, II, and IA ..... \$62  
For M30v, M20, and M10 ..... \$50  
**Metal/Cloth.** For 45, 40, AIS and PSW2 ..... \$63  
For Ilic, II, and IA ..... \$53  
For M30v, M20, and M10 ..... \$42

## Round Grilles

**Stainless-Steel.** For S2R ..... \$65  
For M10R ..... \$50  
**Metal/Cloth.** For S2R ..... \$53  
For M10R ..... \$42

## Round Mounting Brackets

S2R, 24 in ..... \$53  
S2R, 16 in ..... \$45  
M10R, 24-in ..... \$43  
M10R, 16-in ..... \$35

## SONY

### SS-TL6 4-Way Speaker

Transmission-line design with 8-in woofer, 6 1/2-in midbass, 4-in midrange, and 1-in tweeter. Power

handling 150 W; imp 8 ohms. Black-oak vinyl veneer finish ..... \$850/pr

### SS-TL4 3-Way Speaker

Transmission-line design with 6 1/2-in woofer, 4-in midrange, and 1-in tweeter. Power handling 120 W; imp 8 ohms. Black-oak vinyl veneer finish ..... \$480/pr

### SS-U910 3-Way Speaker

12-in woofer, 5-in midrange, 1-in tweeter, and 12-in passive radiator. Power handling 200 W; imp 8 ohms. Oak finish with vinyl veneer ..... \$420/pr

### SS-CN3 Center-Channel Speaker

Bass-reflex design with two 4-in woofers and 1-in dome tweeter. Features adjustable tweeter angle. Power handling 150 W; imp 6 ohms. Gray PVC finish ..... \$280/pr

### SS-U610 3-Way Speaker

Acoustic-suspension design with 12-in woofer, 5-in midrange, and 1-in tweeter. Power handling 200 W; imp 8 ohms. Oak finish with vinyl veneer ..... \$280/pr

### SS-EX5 2-Way Bookshelf Speaker

8-in woofer and 3/4-in tweeter. Power handling 100 W; imp 8 ohms. Black-oak vinyl finish ..... \$225/pr

### SS-CR300 Surround Speaker System

2 acoustic-suspension surround speakers, each with one 5-in driver, and 1 center-channel speaker with two 4-in drivers. Power handling 50 W surround, 80 W center; FR 90-15,000 Hz surround, 80-15,000 Hz center; imp 8 ohms surround, 6 ohms center. Surround speaker: 8 x 6 1/2 x 6 1/2. Center speaker: 6 1/2 x 17 x 6 3/4 in ..... \$200

### SS-EX3AV 2-Way Bookshelf Speaker

5-in woofer and 3/4-in tweeter. Power handling 50 W; imp 8 ohms. Black-oak vinyl finish ..... \$175/pr

### SS-U3196 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 2-in cone tweeter. Power handling 60 W. 2-yr parts-and-labor warranty. Honey-oak vinyl finish. 9 5/8 x 15 3/4 x 9 3/8 in; 11.3 lb ..... \$140/pr

### SS-U310 2-Way Speaker

6-in woofer and 1-in tweeter. Power handling 100 W; imp 8 ohms. Oak vinyl finish ..... \$140/pr

## Wireless Personal Speakers

### IFS-50K Wireless Speaker System

2 speakers, transmitter, and receiver. Features 23-ft range; Dolby C NR; magnetic shielding; auto on/off power switching. Line-, speaker-, or headphone-level input. Operates on 8 D batteries or AC adaptor. FR 100-20,000 Hz ..... \$350

### IFS-20K Wireless Speaker System

2 speakers, transmitter, and receiver. Features auto on/off power switching. Line- or headphone-level input. Operates on 4 AA batteries per speaker. Includes speaker stands. FR 200-20,000 Hz ..... \$250

## SOTA

### Time Domain Series

#### Model 4 3-Way Speaker

8-in Kevlar woofer and quasi-pyramid-shaped module with dual-voice-coil 7-in Kevlar driver and inverted-dome Kevlar tweeter mounted on sloping baffle. Features separate enclosure for woofer and mid/high drivers; 1 1/4-in cabinet walls; single/biwire and vertical bi/triamp terminals. Power handling 200 W max; sens 89 dB SPL/W/m; imp 8 ohms; FR 38-22,000 Hz  $\pm$  3 dB. Brazilian rosewood, Macassar ebony. Mid/tweeter module: 12 x 16 1/2 x 11 1/2 in; 32 lb. Woofer enclosure: 11 1/2 x 32 x 16 in; 55 lb ..... \$4,800/pr  
Light, dark, or black oak ..... \$3,200/pr  
**Model 2.** As above, with single, dual-chamber enclosure. Rosewood or ebony. 14 x 40 x 16 in; 75 lb ..... \$3,000/pr

# S P E A K E R S

Light, dark, or black oak ..... \$2,200/pr  
**Panorama.** Mid-tweeter module only. Rosewood or ebony ..... \$2,200/pr  
 Light, dark, or black oak ..... \$1,750/pr

**Speaker Stand.** Panorama module. Rosewood or ebony ..... \$600/pr  
 Light, dark, or black oak ..... \$400/pr

## SOUND ADVANCE

**Sound Advance II Full-Range In-Wall Speaker**  
 Designed to be invisible when installed in walls or ceilings. Features full-range planar-type drivers with 2 independent magnetic circuits. Power handling 75 W; FR 20-20,000 Hz. 5-yr warranty. 14 x 21 x 3 in. .... \$1,245/pr  
 One speaker ..... \$685

## SOUND DYNAMICS

**SD 500ti 3-Way Speaker**  
 Bass-reflex design with two 8-in carbon-polypropylene woofers, 4 1/2-in polypropylene midrange, and 3/4-in titanium-dome tweeter. Biwire/biamp terminals; adjustable foot spikes. Power handling 275 W cont avg; FR 27-22,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m; crossover points 1,000 and 3,000 Hz; imp 6 ohms. Black-ash or oak finish ..... \$1,050/pr

**SD 400ti 3-Way Speaker**  
 Bass-reflex design with 10-in carbon-polypropylene woofer, 4 1/2-in polypropylene midrange, and 3/4-in titanium-dome tweeter. Biwire/biamp terminals; adjustable foot spikes. Power handling 250 W cont avg; FR 30-22,000 Hz  $\pm$  2 dB; sens 88 dB SPL/W/m; crossover points 900 and 3,000 Hz; imp 6 ohms. Black-ash or oak finish. 13 x 33 x 11 in. .... \$800/pr

**SD 300ti 3-Way Speaker**  
 Bass-reflex design with 8-in carbon-polypropylene woofer, 4 1/2-in polypropylene midrange, and 3/4-in titanium-dome tweeter. Power handling 175 W cont avg; FR 34-22,000 Hz  $\pm$  2 dB; sens 87 dB SPL/W/m; crossover points 900 and 3,000 Hz; imp 6 ohms. Black-ash or oak finish. 11 x 24 x 11 in. .... \$600/pr  
**SST-13.** 13-in metal stand ..... \$100/pr

**ASUB-12 Powered Subwoofer**  
 Dual-rear-ported design with 12-in driver; 90-W power amp. Line- and speaker-level inputs; EQ switch; low-pass filter adjustable from 50-130 Hz. Black-ash finish. 18 x 18 x 20 in. .... \$500

**SD 200ti 2-Way Bookshelf Speaker**  
 Bass-reflex design with 8-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Power handling 150 W cont avg; FR 40-21,000 Hz  $\pm$  2 dB; sens 87 dB SPL/W/m; crossover point 1,800 Hz; imp 6 ohms. Black-ash or oak finish. 11 x 20 x 9 in. .... \$450/pr  
**SST-21.** 21-in metal stand ..... \$120/pr

**SD 100ti 2-Way Bookshelf Speaker**  
 Bass-reflex design with 6 1/2-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Power handling 125 W cont avg; FR 45-21,000 Hz  $\pm$  2 dB; sens 86 dB SPL/W/m; crossover point 1,900 Hz; imp 6 ohms. Black-ash or oak finish. 10 x 16 x 9 in. .... \$300/pr  
**SST-25.** 25-in metal stand ..... \$130/pr

**SD 50ti 2-Way Bookshelf Speaker**  
 Bass-reflex design with 5 1/4-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Power handling 80 W cont avg; FR 55-20,000 Hz  $\pm$  2 dB; sens 85 dB SPL/W/m; crossover point 2,000 Hz; imp 6 ohms. Black-ash or oak finish. 7 x 12 x 8 in. .... \$220/pr  
**SST-25.** 25-in metal stand ..... \$130/pr

## Home Theater Series

**Cinesat-2 2-Way Satellite Speaker**  
 Acoustic-suspension design with 4 1/2-in polypropylene woofer and 1/2-in titanium-polycarbonate tweeter. Power handling 125 W cont avg; FR 140-22,000 Hz  $\pm$  3 dB; sens 86 dB SPL/W/m; crossover point 2,500

Hz; imp 6 ohms. 8 x 5 x 5 in; 5 lb ..... \$249/pr  
**API SST-25.** 25-in metal stand ..... \$130/pr  
**API Wall Mount Bracket** ..... \$40/pr

**Cinesub Subwoofer**  
 Fourth-order vented band-pass design with 6 1/2-in driver. Power handling 125 W cont avg; FR 50-140 Hz  $\pm$  3 dB; sens 86 dB SPL/W/m; crossover point 140 Hz; imp 4 ohms. Black-ash vinyl veneer. 7 x 13 x 17 in. .... \$199

**Cinecenter Center-Channel Speaker**  
 Dual-vented design with two 4 1/2-in woofers and 1/2-in polycarbonate flared-dome tweeter mounted in sloped baffle. Power handling 100 W cont avg; sens 86 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Black-ash vinyl veneer ..... \$149

## SOUND INTERIORS

*The Dense Fiber Board (DFB) finish is available in any color.*

**WSW-1001 Subwoofer**  
 12-in dual-voice-coil woofer. Features gold-plated inputs. Power handling 200 W rms; FR 20-120 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 120 Hz. Oak or finish. 14 1/2 x 14 1/2 x 14 1/2 in. .... \$600

**WS-200 2-Way In-Wall Speaker**  
 Two 5 1/4-in rubber-surround woofers and 1-in cloth-dome tweeter. Features port; 18-dB/oct crossover; gold-plated inputs. Power handling 100 W rms; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 4 or 8 ohms; crossover point 2,500 Hz. 8 3/8 x 20 3/8 x 3 1/8 in. .... \$495  
**WS-100.** As above, with one woofer. Power handling 70 W rms; FR 62-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,800 Hz at 12-dB/oct ..... \$300

**BS-200 2-Way Bookshelf Speaker**  
 6 1/2-in rubber-surround woofer and aluminum-dome tweeter. Gold-plated inputs; 18-dB/oct crossover. Power handling 100 W cont; FR 35-20,000 Hz; sens 90 dB SPL/W/m; imp 4 or 8 ohms; crossover point 3,500 Hz. Oak or finish. 10 x 14 1/4 x 11 1/2 in. .... \$425  
**BS-100.** As above, with 5 1/4 woofer and cloth-dome tweeter. Power handling 70 W cont; FR 52-20,000 Hz; sens 88 dB SPL/W/m; crossover point 2,800 Hz with 12-dB/oct slope. 8 1/2 x 12 x 10 in. .... \$275

**W-50 2-Way In-Wall Speaker**  
 6 1/2-in woofer and 1-in dome tweeter. FR 42-22,000 Hz; Power handling 75 W; imp 6 or 8 ohms; sens 88 dB SPL/W/m; crossover point 2,300 Hz ..... \$175

## SOUND-LAB

*The following are available in oiled-walnut and oak with a black-knit or white-linen grille.*

**A-6 Electrostatic Speaker**  
 Full-range electrostatic design with 72 x 40-in woofer element and 61 x 4-in tweeter. FR 22-22,000 Hz  $\pm$  2 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 750 Hz. 44 x 81 x 5 in; 210 lb ..... \$14,985/pr

**A-1 Electrostatic Speaker**  
 Full-range electrostatic design with single curved element. FR 30-22,000 Hz  $\pm$  2 dB; sens 84 dB SPL/W/m; imp 8 ohms. 35 x 81 x 11 in; 185 lb. .... \$10,956/pr

**A-5 Electrostatic Speaker**  
 Full-range electrostatic design with single curved element. Features wave-delay panels. FR 34-22,000 Hz  $\pm$  2 dB; sens 84 dB SPL/W/m; nom imp 8 ohms. 28 x 72 x 8 in; 152 lb ..... \$7,990/pr

**A-3 Electrostatic Speaker**  
 Full-range electrostatic element with single curved element. Sens 84 dB SPL/W/m; nom imp 8 ohms. 35 x 73 x 11 in; 145 lb ..... \$7,990/pr

**B-1 Electrostatic Subwoofer**  
 Dual-membrane electrostatic design with dual-mono configuration. FR 20-350 Hz  $\pm$  2 dB; sens 86 dB SPL

W/m; nom imp 16 ohms; crossover point 350 Hz. 44 x 81 x 5 in; 220 lb ..... \$6,725  
**B-3.** As above, 44 x 73 x 5 in; 210 lb ..... \$6,725

**B-5 Electrostatic Subwoofer**  
 Single-membrane electrostatic design with dual-mono configuration. FR 22-350 Hz  $\pm$  2 dB; sens 84 dB SPL/W/m; nom imp 50 ohms; crossover point 350 Hz. 57 x 72 x 28 in; 185 lb ..... \$5,880

**A-4 Electrostatic Speaker**  
 Full-range electrostatic design with 61 x 20-in woofer element and 61 x 4-in tweeter element. FR 32-22,000 Hz  $\pm$  2 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 750 Hz ..... \$4,975/pr

**Pristine Electrostatic Speaker**  
 Full-range electrostatic design. 100 W; FR 34-22,000 Hz  $\pm$  2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms; 60 x 28 x 27 in; 100 lb ..... \$3,990

**A-2X Electrostatic Speaker**  
 Full-range electrostatic design with 48 x 20-in woofer element and 48 x 4-in tweeter element. FR 34-22,000 Hz  $\pm$  2 dB; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 750 Hz. 28 x 57 x 3 in; 88 lb \$3,840/pr

**Dynastat Hybrid Electrostatic Speaker**  
 Hybrid design with 10 1/2-in woofer element and 48 x 10-in tweeter element. FR 28-22,000 Hz  $\pm$  2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms; crossover point 150 Hz. 17 x 72 x 3 in; 75 lb ..... \$2,735/pr

## Accessories

**A-1 Acoustic Delay Panels.** Passive baffle designed to enhance bass response of A-1. 24 x 80 x 3/4 in; 115 lb. Walnut finish ..... \$1,566/pr  
 Oak finish ..... \$1,242/pr

**A-3 Acoustic Delay Panels.** As above, for A-3. 24 x 73 x 3/4 in; 110 lb. Walnut finish ..... \$1,350/pr  
 Oak finish ..... \$1,050/pr

## SOUNDSMITH

**Time Lord Model 1B 3-Way Speaker**  
 Four 6-in midbasses, two 1-in metal-dome tweeters, and planar magnetic super tweeter. Features biwire/biamp terminals. Power handling 500 W cont; FR 38-59,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 3,000 and 8,600 Hz. Oak finish with black cloth and high-gloss lacquer accents. 12 x 75 x 14 in; 150 lb ..... \$5,320/pr

**Time Continuum Model 2.5B 3-Way Speaker**  
 6-in woofer, passive radiator, 1-in tweeter, and planar magnetic driver. Features biamp/biwire terminals. Power handling 60 W cont; frequency response 45-46,000 Hz; sens 91 dB SPL/W/m; Impedance 8 ohms; crossover points 3,000 and 10,000 Hz. 12 x 55 x 11 1/2 in; 72 lb ..... \$3,900/pr

**S.W.T. 1 Subwoofer**  
 Tower design with 15-in driver. Power handling 250 W cont; FR 24-125 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 10 x 75 x 21 in; 185 lb ..... \$3,799/pr

**Galifrey Model .5B 2-Way Speaker**  
 6 1/2-in woofer and 1-in tweeter. Biamp/biwire terminals. Power handling 500 W cont; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Oak finish with black acoustic cloth and high-gloss lacquer finish. 8 x 42 x 15 in; 75 lb ..... \$3,550/pr

**Brigadier Model 2.0B 2-Way Speaker**  
 Two 5-in polycone woofers and 1-in metal-dome tweeter. Biamp/biwire terminals. Power handling 250 W cont; FR 41-26,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 6 1/2 x 31 1/2 x 10 in; 45 lb ..... \$2,910/pr

**Unit Model .25B 2-Way Speaker**  
 6 1/2-in woofer and 1-in tweeter. Biwireable. Power handling 200 W cont; FR 45-26,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000

# S P E A K E R S

Hz. 9 1/2 x 18 x 13 1/2 in; 28.5 lb ..... \$2,140/pr

## Tiegan Model 1.5B 2-Way Speaker

8-in poly woofer and 1-in soft-dome tweeter. Biamp/biwire terminals. Power handling 200 W cont; FR 32-22,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 14 1/2 x 4 1/2 x 14 1/2 in; 58 lb ..... \$1,990/pr

## S.W.T. 2 Subwoofer

Tower design with 8-in driver. Power handling 250 W cont; FR 29-150 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 55 x 15 in; 110 lb ..... \$1,535/pr

S.W.L. 2.0 Subwoofer ..... \$890/pr

## Matching Stands

S 2.25 Stand. Speaker stand for Model 2.0B and Model .25B. High-gloss black-lacquer finish. 10 x 23 x 14 in ..... \$316

## SOUNDSTREAM

### Granite 15 In-Wall Subwoofer

Infinite-baffle design with 15-in driver. Features high-temperature copper voice coil with Kapton former; plastic-encapsulated steel basket; polymer-laminate paper cone. Power handling 300 W max; FR 20-500 Hz  $\pm$  3 dB; sens 92 dB W/m; imp 4 ohms. .... \$250

### Granite 12 In-Wall Subwoofer

Infinite-baffle design with 12-in driver. Features high-temperature voice coil with vented Kapton former. Power handling 250 W max; FR 33-500 Hz  $\pm$  3 dB; sens 96 dB SPL/W/m; imp 4 ohms. 5 1/2-in mounting depth ..... \$200

### Granite 10 In-Wall Subwoofer

Features 10-in driver. Power handling 200 W max; FR 37-500 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; imp 4 ohms. 4 1/2-in mounting depth ..... \$155

## SOUNDWAVE

The following feature a 5-year warranty.

### Grand Soliloquy II 2-Way Speaker

Four 8-in woofers and two 1-in tweeters. Frequency response 29-21,000 Hz  $\pm$  3 dB; sens 90 dB; impedance 7 ohms; crossover point 2,000 Hz. 14 x 45 1/2 x 19 in; 85 lb ..... \$3,600/pr

### Soliloquy II 2-Way Speaker

Two 8-in woofers and two 1-in tweeters. Frequency response 39-21,000 Hz  $\pm$  3 dB; sens 90 dB; impedance 5 ohms; crossover point 2,000 Hz. 12 x 39 1/2 x 16 in; 60 lb ..... \$2,500/pr

Sonata II. As above, FR 49-21,000 Hz  $\pm$  3 dB. 12 x 37 x 16 in; 55 lb ..... \$1,790/pr

VR-3. As above, FR 31-21,000 Hz  $\pm$  3 dB. 10 x 42 x 11 in; 60 lb ..... \$1,495/pr

Silhouette II. As above, FR 59-21,000 Hz  $\pm$  3 dB. 12 x 21 x 16 in; 42 lb ..... \$1,250/pr

### VR-2 2-Way Speaker

Two 8-in woofers and one 1-in tweeter. FR 37-21,000 Hz  $\pm$  3 dB; sens 89 dB; imp 5 ohms; crossover point 2,400 Hz. 10 x 39 x 11 in; 50 lb ..... \$1,195/pr

### Sonnet 2-Way Speaker

8-in woofer and 1-in tweeter. FR 45-21,000 Hz  $\pm$  3 dB; sens 88 dB; imp 7 ohms; THD 1%; crossover point 2,400 Hz. 10 x 35 x 11 in; 42 lb ..... \$895/pr

## SPEAKERLAB

### Auricle RD50 2-Way In-Wall Speaker

Infinite-baffle design with 12-in woofer and 3-in x 50-in ribbon tweeter. Power handling 275 W max; FR 21-20,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; crossover point 150 Hz; imp 8 ohms. White. Grille: 5 x 53 x 1 1/4 in (RD50); 17 3/4 x 17 3/4 in (W1258PI). 60 lb ..... \$2,495

RD50 Ribbon Speaker. As above, without subwoofer. FR 150-20,000 Hz  $\pm$  3 dB; imp 4 ohms. 4 1/2 x 50 1/2 in ..... \$499

W1258PI In-Wall Subwoofer. As Auricle, without tweeter. FR 21-150 Hz  $\pm$  3 dB ..... \$600/pr

### Aria 2-Way Ribbon Speaker

Vented design with 8-in woofer and 3-in x 50-in ribbon tweeter. FR 32-20,000  $\pm$  3 dB; sens 87 dB SPL/W/m; crossover point 225 Hz ..... \$1,350/pr

### DAS 7 4-Way Speaker

Bass-reflex design with 12- and 10-in woofers, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 25-20,000 Hz; sens 93 dB SPL/W/m; crossover points 180, 350, and 4,000 Hz; imp 4 ohms ..... \$1,028/pr

Kit ..... \$799/pr

### DAS 6 3-Way Speaker

Bass-reflex design with 10- and 8-in woofers, and 1-in dome tweeter. FR 30-20,000 Hz; sens 93 dB SPL/W/m; crossover points 180 and 2,500 Hz ..... \$828/pr

Kit ..... \$600/pr

### RD75 Ribbon Speaker

3-in x 50-in ribbon tweeter. FR 150-20,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; crossover point 150 Hz; imp 5 ohms. Black. 4 1/2 x 75 1/2 in ..... \$799

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## S P E A K E R S

### ST4 3-Way Speaker

Band-pass design with 8-in woofer, 5-in cone mid-range, and 3/4-in aluminum-dome tweeter. FR 25-20,000 Hz; sens 89 dB SPL/W/m; crossover points 150 and 3,000 Hz; imp 4 ohms. Oiled-oak finish. 10 x 37 x 12 in; 60 lb ..... \$749/pr

### DAS 5 3-Way Speaker

Bass-reflex design with 8- and 6 1/2-in woofers and 1-in dome tweeter. FR 34-20,000 Hz; sens 92 dB SPL/W/m; crossover points 180 and 2,500 Hz; imp 4 ohms. Oiled-oak finish. 11 x 31 x 13 in; 47 lb ..... \$628/pr

### ST3 3-Way Speaker

Band-pass design with 6 1/2-in woofer, 5-in cone mid-range, and 3/4-in aluminum-dome tweeter. FR 30-20,000 Hz; sens 86 dB SPL/W/m; crossover points 150 and 3,000 Hz; imp 4 ohms. Oiled-oak finish. 9 x 33 x 11 in; 50 lb ..... \$599/pr

### DAS 4 2-Way Speaker

Bass-reflex design with 8-in woofer and 3/4-in dome tweeter. FR 36-20,000 Hz; sens 90 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled-oak finish. 10 x 28 x 12 in; 39 lb ..... \$428/pr  
Kit ..... \$349/pr

### DAS 3 2-Way Speaker

Bass reflex design with 6 1/2-in woofer and 3/4-in dome tweeter. FR 42-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled-oak finish. 8 x 21 x 10 in; 23 lb ..... \$329/pr  
Kit ..... \$279/pr

### DAS 2 2-Way Speaker

Bass-reflex design with 5-in woofer and 3/4-in dome tweeter. FR 50-20,000 Hz; sens 88 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled-oak finish. 7 x 13 x 9 in; 13 lb ..... \$229/pr  
Kit ..... \$189/pr

### Subwoofers

#### SL88 Subwoofer

Band-pass design with two 8-in drivers. FR 22-150 Hz; sens 91 dB SPL/W/m; imp 4 ohms. Oiled-oak finish. 16 x 14 x 23 in; 70 lb ..... \$359

#### DAS/SW Subwoofer

Bass-reflex design with 10-in woofer. FR 25-180 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Oiled-oak finish. 18 x 18 x 18 in; 62 lb ..... \$329  
Kit ..... \$240

## SPECO

### SP-602 2-Way Mini Speaker

6-in polypropylene woofer and 1-in Mylar tweeter. Power handling 50 W; FR 50-20,000 Hz; sens 90 dB SPL/W/m; crossover point 3,000 Hz. 8 5/8 x 12 x 3 1/4 in; 4 lb ..... \$150

### DMS-6 3-Way Mini Speaker

5-in woofer, 2-in cone tweeter, and 1-in dome tweeter. Power handling 60 W; FR 55-22,000 Hz. Black finish with plastic wire-mesh grille. 6 1/8 x 8 7/8 x 5 1/4 in; 5 lb ..... \$140/pr

### DMS-3P 4-Way Mini Speaker

4 1/8-in polypropylene woofer, 2-in midrange, 2-in tweeter, and 1-in dome tweeter. Power handling 100 W; FR 55-20,000 Hz. Black or white finish. 4 1/2 x 7 1/4 x 4 3/8 in ..... \$120/pr  
DMS-3TS. As above, with built-in line transformer ..... \$90

### DMS-3 3-Way Mini Speaker

4 1/8-in polypropylene woofer, 2-in cone midrange, and 1-in dome tweeter. Power handling 50 W; FR 55-20,000 Hz. Black or almond finish. 4 1/2 x 7 1/4 x 4 3/8 in ..... \$108/pr

### DMS-2 2-Way Mini Speaker

3 1/2-in polypropylene woofer, 2-in cone tweeter. Power handling 30 W; FR 60-20,000 Hz ..... \$80/pr

### SP502 2-Way Speaker

5 1/4-in polypropylene woofer, 3/4-in Mylar tweeter. Power handling 30 W; FR 40-20,000 Hz; sens 90 dB SPL/W/m; crossover point 2,500 Hz ..... \$75

## SPICA

### Angelus 2-Way Speaker

Mirror-imaged system with 8-inch plastic-cone woofer and 1-inch soft-dome tweeter. Features computer-optimized crossover; adjustable carpet spikes. Power handling 200 W max; FR 35-17,500 Hz ± 3 dB; imp 8 ohms; crossover 3,400 Hz. Walnut or oak finish. 21 x 46 x 10 1/4 in; 57 lb ..... \$1,275/pr

### TC-50 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-inch cone woofer and 1-inch dome tweeter. System said to be within 15° of absolute phase from 350-5,000 Hz due to triangular cabinet. Power handling 50 W cont avg; FR 58-16,500 Hz ± 3 dB; sens 83 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Oak, walnut, or black finishes. 13 x 15 1/2 x 11 3/4 in; 21 lb ..... \$550/pr

### SC-30 2-Way Bookshelf Speaker

8-in woofer and 1 1/2-in polypropylene-cone tweeter in 1-cubic-foot sealed enclosure. Computer-optimized 3rd-order crossover-network; Straight Wire internal wiring. 5-way binding posts. Power handling 100 W max; FR 54-27,000 Hz ± 0. -3 dB. Walnut or black vinyl finish. 10 x 23 x 11 3/4 in; 28 lb ..... \$399/pr

## STAX

### ELS-F83X Electrostatic Speaker

Doubly stacked full-range electrostatic driver. Features signal-delay device; overload protection. Power handling 180 W max; FR 35-25,000 Hz; sens 80 dB; imp 4 ohms. Oiled teak panel. 19 1/4 x 78 5/8 x 14 in; 82 lb ..... \$16,995/pr

### ELS-F81X Electrostatic Speaker

Full-range single element construction, electrically divided into 3 vertical sections. Features tiltable panel to modify vertical dispersion. Power handling 180 W max; FR 40-21,000 Hz; sens 76 dB; imp 3 ohms. Oiled teak baffle. 18 x 44 x 11 in; 51 lb ..... \$9,995/pr

## SUMIKO

### Extrema 3-Way Speaker

7 7/8-in woofer with 3-in voice coil, 1 1/8-in soft dome tweeter, and passive radiator. Features 6-dB/oct crossover without capacitors. Power handling 2,000 W; sens 88 dB; imp 4 ohms. Black-satin lacquer finish or solid walnut cabinets. 10 5/8 x 21 3/8 x 17 7/8 in; 177 lb ..... \$12,500

### Electa Amator 2-Way Speaker

Low Q-reflex system design with 7 1/4-in woofer and 1 1/8-in dome tweeter. Power handling 200 W; FR 45-30,000 Hz ± 3 dB; imp 8 ohms; sens 88 dB. Brazilian- and Italian-walnut or gloss-black lacquer. 8 7/8 x 14 7/8 x 14 in; 33 lb ..... \$4,500

### Electa 2-Way Speaker

Bass-reflex design with 7 1/4-in woofer and 1 1/8-in magnetic-oil dome tweeter. Power handling 200 W; FR 50-20,000 Hz ± 3 dB; imp 8 ohms; sens 88 dB. Solid Italian walnut cabinet. 10 7/8 x 15 1/4 x 9 5/8 in; 27 lb ..... \$2,500

### Minima 2-Way Speaker

4 3/8-in driver with cellulose-acrylate cone and 1 1/8-in ferrofluid-cooled silk-dome tweeter. Features 6-dB/oct crossover; gold-plated connecting plugs. Power handling 100 W max; sens 84 dB; imp 8 ohms. Walnut cabinet. 8 x 12 5/8 x 9 5/8 in; 33 lb ..... \$1,800

### Minuetto 2-Way Speaker

6 3/4-in cellulose-acrylate cone woofer and 1-in ferrofluid-cooled silk-dome tweeter. Features 6-dB/oct crossover; gold-plated binding posts. Power handling 120 W max; sens 88 dB; imp 8 ohms. Walnut cabinet. 9 1/4 x 14 x 11 1/4 in; 44 lb ..... \$1,500

# S P E A K E R S

## SUPERIOR AUDIO

### SX-1 Powered Bookshelf Subwoofer

Compact, ported design with downward-firing 5 1/4-in woofer and 15-W power amp. Features variable 72-250 Hz crossover point; thermal protection; subsonic filter. For use with bookshelf systems or personal stereos; gold-plated line- and speaker-level inputs; crossover and level controls. Sub: FR 40-250 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m. Amp: SN 82 dB; dynamic headroom 1.25 dB. Black, molded-plastic with 1-in legs. 3-yr warranty. 8 x 8 x 8 in. \$249

## SYMDX

### Epsilon Signature 3-Way Speaker

Vented design with 10-inch Neoflex cone woofer, 7-inch dual-voice-coil Neoflex midrange, and ferrofluid-cooled 1-inch aluminum-dome tweeter. Features polypropylene capacitors. Power handling 250 W; frequency response 25-20,000 Hz; sensitivity 88 dB SPL/W/m; impedance 8 ohms; crossover points 100 and 2,300 Hz. Oak or black-lacquer formica. 13 x 4 1/2 x 13 in. \$3,450/pr

### Gamma Signature 2-Way Speaker

Vented design with 7-inch dual-voice-coil Neoflex cone woofer and 1-inch ferrofluid-cooled aluminum-dome tweeter. Features cross bracing; polypropylene capacitors. Power handling 150 W; frequency response 45-20,000 Hz; sens 88 dB SPL/W/m; impedance 8 ohms; crossover point 2,300 Hz. Oak or black-lacquer formica. \$1,750/pr

## SYNTHESIS

### Reference Speaker System

Five-piece system with 2 subwoofer columns, each with two 10-in drivers, and 3 satellites, each with 7-in midrange/high-frequency unit, 1-in dome tweeter, and leaf supertweeter. Includes active crossover. Power handling 250 W cont avg; FR 22-32,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; imp 8 ohms. Golden-oak finish. Sub columns: 14 x 69 x 14 in. Satellites: 10 x 44 x 10 in. \$7,350

### LM 310 3-Way Speaker

10-in woofer, 7-in midrange, and 1-in dome tweeter. Power handling 200 W cont avg; frequency response 25-20,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; impedance 8 ohms. Light or dark-oak cabinet. 13 3/4 x 4 1/2 x 14 1/2 in; 70 lb. \$3,250/pr

### LM 260 2-Way Speaker

Ported design with 8-in polypropylene woofer and 1-in dome tweeter. Power handling 100 W cont avg; FR 41-20,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; imp 8 ohms. Light or dark-oak cabinet. 12 x 39 1/2 x 11 in; 50 lb. \$1,695/pr

### LM 210 2-Way Speaker

Ported design with 6 1/2-in polypropylene woofer and 1-in dome tweeter. Power handling 80 W cont; FR 46-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Light or dark-oak cabinet. 10 1/2 x 33 1/2 x 10 1/2 in. \$1,195/pr

## TADDEO

### System Two Subwoofer/Satellite System

2 Monitor Ones, and 2 subwoofers, each with 10-in polymer drivers; active crossover. Power handling 150 W cont avg; FR 19-22,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 6-8 ohms; crossover points 70 and 2,500 Hz. Natural oak or black. Sub: 15 x 23 x 15 in; 56 lb. Monitor: 9 x 4 1/2 x 11 in; 74 lb. Crossover: 3 x 17 x 9 in; 9 lb. \$4,095

### Monitor One 2-Way Speaker

6 1/2-in polymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features 1st-order crossover; 5-way binding posts. Power handling 150 W rms; FR 44-22,000  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Natural oak or black. 9 x 40 1/2 x 10 3/4 in; 58 lb. \$1,495/pr

## TANNOY

### Tannoy Sixes Series

The following feature a hard-wired crossover with biwire/biamp terminals, high-purity-copper connecting cables, and mineral-loaded copolymer end caps. Models 615, 613, 611, and 609 feature dual-concentric drivers in which tweeter element is in center of woofer, an injection-molded polyolefin copolymer woofer cone and a copper voice coil edge wound on a Kapton former. Models 607, 605, and 603 feature a discrete aluminum tweeter and magnetic-liquid damping and cooling. All models are available in a black ash or walnut finish; stands are optional.

### Model 615 3-Way Speaker

8-In full-range driver, 8-in dual-concentric midrange/tweeter, and 8-in passive cone. Features 1st-order low-pass crossover; gold-plated terminals. Power handling 170 W cont avg; frequency response 45-30,000 Hz  $\pm$  3 dB; sens 92 dB; impedance 6 ohms; crossover points 400 and 2,500 Hz. 12 3/8 x 38 x 8 7/8 in; 46 lb. \$1,600/pr

**Model 613.** As above, 6 1/2-in driver and passive cone. Power handling 150 W cont avg; FR 55-30,000 Hz  $\pm$  3 dB; sens 90 dB. 35 1/8 x 10 7/8 x 7 3/8 in; 33 lb. \$1,200/pr

### Model 611 3-Way Speaker

Sealed-box design with 8-in woofer and 8-in dual-concentric midrange/tweeter. Features 1st-order low-pass crossover; gold-plated terminals. Power handling 150 W cont avg; FR 45-30,000 Hz  $\pm$  3 dB; sens 91 dB; imp 6 ohms; crossover points 400 and 2,500 Hz. 12 3/8 x 27 1/4 x 8 7/8 in; 33 lb. \$900/pr

### Model 609 2-Way Bookshelf Speaker

Ported design with 8-in dual-concentric full-range driver. Features 1st-order low-pass crossover; gold-plated terminals. Power handling 120 W cont avg; FR 46-30,000 Hz  $\pm$  3 dB; sens 89 dB; imp 8 ohms; crossover point 2,500 Hz. 12 3/8 x 19 1/2 x 8 7/8 in; 22 lb. \$700/pr

### Model 607 2-Way Bookshelf Speaker

Ported design with 8-in woofer and 1-in dome tweeter. 1st-order high-pass crossover. Power handling 100 W cont avg; FR 50-30,000 Hz  $\pm$  3 dB; sens 88 dB; imp 8 ohms; crossover point 3,000 Hz. 12 3/8 x 19 1/2 x 8 7/8 in; 20 lb. \$600/pr

**Model 605.** As above, 6 1/2-in woofer. Power handling 90 W cont avg; FR 55-30,000 Hz  $\pm$  3 dB; sens 87 dB. 10 3/4 x 15 3/8 x 7 1/4 in; 15 lb. \$400/pr

**Model 603.** As above, 5-in woofer. Power handling 70 W cont avg; FR 60-30,000 Hz  $\pm$  3 dB; sens 86 dB; imp 6 ohms; crossover point 3,500 Hz. 8 1/2 x 13 x 5 in; 9 lb. \$300/pr

## TARA LABS

### Time Passage 2-Way Speaker

Bass-reflex design with two 7-in woofers and one 1-in tweeter. Features separate enclosures and internal bracing; 2nd-order crossover; bottom cabinet for lead shot or sand; biwire/biamp terminals; internal wiring with Space & Time Quantum Cable; gold-plated binding posts. Power handling 250 W max; sens 92 dB SPL/W/m; crossover point 3,600 Hz. 10 x 14 x 40 in. \$1,195/pr

## TC AUDIO

### Subwoofer/Satellite 3 System

Subwoofer with 10-in dual-voice-coil driver in dual-chamber enclosure, and 2 satellites, each with 5 1/4-in polymer midbass and 1-in soft-dome tweeter. Power handling 150 W cont avg; FR 57-20,000  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Black finish. Includes wall/stand mount for satellites. Sat: 6 x 9 x 6 3/8 in. Sub: 19 1/4 x 8 x 14 in; 42 lb. \$500

### Sat 1 Satellite Speaker

Two 5 1/4-in midbass and 1-in soft-dome tweeter. Power handling 200 W cont avg; FR 100-20,000 Hz

$\pm$  3 dB; sens 93 dB SPL/W/m; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. Wall/stand mount included. 6 1/4 x 18 x 15 7/8 in; 14 lb. \$499/pr

### Sub 10 Subwoofer

Ported design with 10-in copolymer dual-voice-coil driver. Power handling 200 W cont avg; FR 32-100 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; imp 4 ohms. Hardwood-veneer finish. 15 7/8 x 18 x 15 7/8 in; 42 lb. \$399

As above, satin black-lacquer finish. \$350

### Sat 2 Satellite Speaker

5 1/4-in midbass and 1-in soft-dome tweeter. Power handling 150 W cont; FR 100-20,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. Wall/stand mount included. 6 1/4 x 9 5/8 x 5 7/8 in; 9 lb. \$350/pr

## TC Series

### TC 28 2-Way Speaker

8-in copolymer woofer and 1-in soft-dome tweeter. Power handling 150 W cont avg; FR 53-20,000 Hz  $\pm$  3 dB; sens 92 dB; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. 9 1/2 x 18 3/8 x 10 3/8 in; 24 lb. \$400/pr

### TC 310 3-Way Speaker

10-in copolymer woofer, 10-in rear-mounted passive radiator, 5 1/4-in midrange, and 1-in soft-dome tweeter. Power handling 200 W cont avg; FR 30-20,000 Hz  $\pm$  3 dB; sens 91 dB; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. 13 x 32 x 13 3/4 in; 50 lb. \$350

### TC 25 2-Way Speaker

5 1/2-in polymer woofer and 1-in soft-dome tweeter. Power handling 75 W cont avg; FR 59-20,000 Hz  $\pm$  3 dB; sens 92 dB; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. Wall/stand mount included. 7 x 13 x 10 1/8 in; 34 lb. \$250/pr

## Architectural Systems

### WSub D10 Subwoofer

Dual chamber design with 10-in dual-voice-coil driver. Power handling 150 W cont avg; FR 57-100 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 4 ohms. For ceiling, floor, or wall application. Fire/weather resistant finish. 19 1/4 x 8 x 14 in; 15 lb. \$295

### WS52-DX 2-Way In-Wall Speaker

5 1/4-in polymer woofer and 1-in soft-dome tweeter. Power handling 150 W cont avg; FR 45-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Paintable metal grille. 6 1/2 x 10 1/4 x 3 3/8 in; 6 lb. \$240/pr

### WS52 SX 2-Way In-Wall Speaker

5 1/4-in polymer woofer and 1/2-in fluid-cooled hard-dome tweeter. Power handling 100 W cont avg; FR 45-20,000 Hz  $\pm$  3 dB; sens 92 dB; imp 4 ohms. Paintable metal grille. 6 1/2 x 10 1/4 x 3 3/8 in. \$180/pr

## Accessories

**SS27 Speaker Stand.** 27-in stand for Sat 1, Sat 2, Sat 3, and TC 25. \$80/pr

**SS13 Speaker Stand.** 13-in stand for TC 28; adjustable top plate. \$60/pr

**WCab 52 Wall/Ceiling Cabinet.** For WS52 SX or DX. Features Medite construction; fire/weather resistant finish. 14 1/4 x 19 1/4 x 3 1/4 in; 15 lb. \$50/pr

## TDL

### Reference Standard 4-Way Speaker

Dual-transmission-line design with two 12 x 8 1/4-in biradial woofers, two 6-in doped-polymer cone midranges loaded in own transmission line, two 1-in magnesium-alloy metal-dome tweeters, and 3/4-in dome supertweeter. Two sets of input terminals for biamp/biwriring. FR 16-35,000 Hz; sens 87 dB SPL/W/m; crossover points 200, 3,500, and 13,000 Hz; imp 8 ohms. Walnut or black-oak veneer finish. 22 x 48 x 20 in; 154 lb. \$7,995/pr

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## S P E A K E R S

### Monitor 4-Way Speaker

Transmission-line design with 12 x 8 $\frac{1}{4}$ -in biradial woofer, 6-in doped polymer-cone midrange loaded in own transmission line, 1-in magnesium-alloy metal-dome tweeter, and  $\frac{3}{4}$ -in dome supertweeter. Two sets of input terminals for biamp/biwire. FR 18-35,000 Hz; sens 87 dB SPL/W/m; crossover points 300, 3,500, and 13,000 Hz; impedance 8 ohms. Walnut or black-oak veneer finish. 12 x 45 x 19 in; 103 lb ..... \$4,995/pr  
**ST-M Stand.** For above, with spiked feet ... \$250/pr

### Studio 4 3-Way Speaker

Transmission-line design with 12 x 8 $\frac{1}{4}$ -in biradial woofer, 6-in doped polymer-cone midrange loaded in own transmission line, 1-in magnesium-alloy metal-dome tweeter, and  $\frac{3}{4}$ -in dome supertweeter. Two sets of input terminals for biamp/biwire. FR 19-20,000 Hz; sens 87 dB SPL/W/m; crossover points 300 and 3,500 Hz; imp 8 ohms. Walnut or black-oak veneer finish. 12 x 43 x 17 in; 66 lb ..... \$3,495/pr  
**ST-S4 Stand.** For above, with spiked feet ... \$225/pr

### Studio 3 2-Way Speaker

Transmission-line design with two 8-in Cobex-cone woofers and 1-in magnesium-alloy-dome tweeter. Biwire/biamp terminals. FR 24-20,000 Hz; sens 87 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Walnut or black-oak veneer finish. 12 x 37 x 16 in; 59 lb ..... \$2,595/pr  
**ST-S3 Stand.** For above, with spiked feet ... \$210/pr  
**Studio 2.** As Studio 3, FR 24-20,000 Hz. 11 x 37 x 16 in; 48 lb ..... \$1,995/pr  
**ST-S2 Stand.** For Studio 2, with spiked feet \$200/pr  
**Studio 1.** As Studio 2, 6 $\frac{1}{2}$ -inch Cobex woofer. FR 28-20,000 Hz; sens 86 dB SPL/W/m ..... \$1,495/pr  
**ST-S1 Stand.** For above, with spiked feet ... \$180/pr

### Studio 0.5 2-Way Speaker

Transmission-line design with 5 $\frac{1}{2}$ -in Cobex-woofer and 1-in magnesium-alloy-dome tweeter. Kapton-voice-coil former and phase plug; biwire/biamp terminals. Power handling 100 W cont avg; FR 30-20,000 Hz; sens 85 dB; crossover point 3,000 Hz; imp 6 ohms. Black wood-grain finish. 8 x 24 x 12 in; 30 lb ..... \$995/pr  
**ST-S 0.5 Stand.** For above, spiked feet ... \$175/pr

## TEAC

### S-500 2-Way Bookshelf Speaker

5 $\frac{1}{8}$ -in woofer and 1-in soft-dome tweeter. Magnetic shielding. Power handling 100 W; FR 70-20,000 Hz; imp 6 ohms. 6 $\frac{1}{2}$  x 14 x 8 $\frac{3}{8}$  in; 14 lb ..... \$450/pr

### S-300 2-Way Mini Speaker

5 $\frac{1}{8}$ -in woofer and 1-in soft-dome tweeter. Magnetic shielding. Power handling 100 W; FR 80-20,000 Hz; imp 6 ohms. 6 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 6 $\frac{1}{8}$  in; 8 lb ..... \$290/pr

### SW-1 Subwoofer

5 $\frac{1}{8}$ -in woofer. Magnetic shielding. Power handling 100 W; FR 55-200 Hz; imp 6 ohms. 5 $\frac{1}{8}$  x 17 $\frac{1}{8}$  x 11 $\frac{1}{8}$  in; 9 lb ..... \$240

### LS-X20 Full-Range Mini Speaker

5 $\frac{1}{8}$ -in full-range driver. Power handling 150 W; FR 58-18,000 Hz; imp 8 ohms. 11 $\frac{1}{8}$  x 6 x 5 $\frac{1}{8}$  in; 10.2 lb ..... \$200/pr

### LS-X10 Full-Range Mini Speaker

5 $\frac{3}{4}$ -in full-range driver. Magnetic shielding. Power handling 70 W; FR 80-18,000 Hz; imp 8 ohms. 7 $\frac{3}{4}$  x 5 $\frac{1}{4}$  x 5 $\frac{1}{8}$  in; 8 lb ..... \$140/pr

## TECHNICS

### SB-CX700 3-Way Speaker

12-In Mica-cone woofer, 13-inch passive radiator, 4-in midrange, and 1-in Mica dome tweeter. Rigid nondiffractive cabinet. Features tweeter attenuator; auto-reset tweeter protection. Power handling 200 W; FR 25-45,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 3,500 Hz. 14 $\frac{3}{8}$  x 35 $\frac{1}{2}$  x 12 $\frac{1}{4}$  in; 52 lb ..... \$700/pr

### SB-CX500 3-Way Speaker

10-in Mica-cone woofer, 11-in passive radiator, 4-in midrange, and 1-in Mica dome tweeter. Power handling 150 W; FR 28-45,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms; crossover points 500 and 3,500 Hz. 12 $\frac{5}{8}$  x 32 $\frac{1}{4}$  x 12 $\frac{1}{4}$  in; 37 lb ..... \$600/pr

### SB-CL50 2-Way Speaker

Sealed design with 7 $\frac{1}{8}$ -in woofer and 1-in dome tweeter. Rounded-baffle cabinet. Power handling 160 W; FR 52-22,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Wood-grain-style finish. 8 $\frac{1}{2}$  x 15 x 8 in; 12 lb ..... \$260/pr

### SB-CL90 3-Way Speaker

Bass-reflex design with 8-in woofer, 4-in midrange, and 1-in soft dome tweeter. Rounded-baffle cabinet. Power handling 200 W; FR 45-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover points 700 and 5,000 Hz. Wood-grain-style finish. 9 $\frac{1}{2}$  x 31 $\frac{1}{2}$  x 10 $\frac{5}{8}$  in; 28 lb ..... \$240

### SB-L80 3-Way Speaker

Bass-reflex design with 12-in cone woofer, 4-in cone midrange, and 2 $\frac{1}{8}$ -in cone tweeter. Aluminum bobbins. Power handling 150 W; FR 38-22,000 Hz; imp 8 ohms; crossover points 3,500 and 5,000 Hz. 14 x 27 x 12 $\frac{1}{2}$  in; 24 lb ..... \$230/pr

### SB-CX300 2-Way Speaker

Bass-reflex design with 8-in Mica woofer and 1-in Mica-dome tweeter. Rounded baffle. FR 38-45,000 Hz; imp 6 ohms; crossover point 1,500 Hz. 10 $\frac{5}{8}$  x 18 $\frac{1}{2}$  x 13 in; 17 lb ..... \$200

### SB-L60 3-Way Speaker

Bass-reflex speaker with 10-in cone woofer, 4-in cone midrange, and 2 $\frac{1}{8}$ -in cone tweeter. Aluminum bobbins. Power handling 120 W; FR 40-22,000 Hz; imp 8 ohms; crossover points 3,500 and 5,000 Hz. 12 $\frac{3}{4}$  x 25 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 19 lb ..... \$180/pr

### SB-L40 2-Way Speaker

Bass-reflex design with 10-in cone woofer and 2 $\frac{1}{8}$ -in cone-type tweeter. Aluminum bobbins. Power handling 100 W; FR 42-22,000 Hz; imp 8 ohms; crossover point 4,500 Hz. 12 $\frac{3}{4}$  x 23 x 9 in; 16 lb ..... \$130/pr

### SB-S25 2-Way Speaker

4-in cone woofer and 2-in cone tweeter. Rounded-baffle design; simulated wood-grain cabinet. Power handling 40 W; FR 68-22,000 Hz. 6 $\frac{1}{2}$  x 9 x 5 $\frac{1}{2}$  in ..... \$100/pr

## TERPSICHORE

### The Subwoofer

12-in paper-cone driver. Power handling 500 W; FR 15-200 Hz; sensitivity 92 dB SPL/W/m. 15 x 24 x 72 in ..... \$1,800

### QT-2 2-Way Speaker

7-in treated paper-cone woofer, 3 $\frac{1}{4}$ -in dome tweeter. Power handling 150 W; FR 30-25,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m. 10 x 46 x 15 in ..... \$1,500/pr

### QT-1 2-Way Speaker

5 $\frac{1}{2}$ -in dual-voice-coil woofer, 3 $\frac{1}{4}$ -in dome tweeter. Power handling 90 W; FR 35-25,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m. 8 x 40 $\frac{3}{4}$  x 10 in ..... \$1,000/pr

### Bifocal Subwoofer

Two 8-in dual-voice-coil woofers. Power handling 150 W; FR 20-1,200 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m. 20 x 41 x 10 $\frac{1}{4}$  in ..... \$700

## THIEL

### CS 5 Coherent Source 5-Way Speaker

Three 8-in woofers, 5-in midrange, 2-in upper midrange, and tweeter. Features sloping baffle and electronic correction for time alignment; synthesized 1st-order acoustic-crossover system; 3-dimensional marble/polymer baffle; driver diaphragms made of aluminum Kevlar or Kevlar/foam sandwich. Power



# S P E A K E R S

handling 400 W cont avg; FR 20-22,000 Hz  $\pm 1$  dB; sens 87 dB SPL/W/m; imp 3 ohms. Amberwood or gloss-black finish. 13 x 64 x 17 in; 180 lb. \$9,200/pr

### CS 3.6 Coherent Source 3-Way Speaker

Sloping-baffle design with 10-in woofer with copper rings, double-cone 4 1/2-in midrange with short-coil/long-gap magnet structure, and 1-in metal dome tweeter with short-coil/long-gap design. Features 1st-order crossover; internal bracing; 3-in baffle with rounded edges; polystyrene capacitors. FR 29-20,000 Hz  $\pm 1.5$  dB; sens 86 dB; imp 4 ohms. 12 1/2 x 48 1/2 x 17 in; 107 lb. \$3,900

### CS 2.2 Coherent Source 3-Way Speaker

Sloping-baffle design with woofer with copper rings and metal-dome tweeter with short-coil/long-gap design. FR 35-20,000 Hz  $\pm 2$  dB; sens 86 dB; imp 4 ohms. Amberwood or gloss-black lacquer finish. 12 x 42 x 13 in; 70 lb. \$2,250/pr

### CS 1.2 Coherent Source 2-Way Speaker

Sloping-baffle design with polypropylene woofer and metal-dome tweeter. Internal bracing. Power handling 150 W cont avg; FR 52-18,000 Hz  $\pm 2$  dB; sens 87 dB SPL/W/m; imp 4 ohms. Amberwood or gloss-black finish with sculpted speaker grille. \$1,250/pr

### SCS Coherent Source 2-Way Speaker

Woofer with coaxially mounted tweeter. Features internal bracing; crossover with polystyrene capacitors. FR 66-10,000 Hz  $\pm 2$  dB; sens 87 dB; imp 4 ohms. Gloss-black-lacquer finish. \$1,090/pr

## TRIAD

### System Seven Powered Sub/Satellite System

Subwoofer with 10 1/4-in polypropylene driver and 150-W power amp; two satellites, each with 5-in polypropylene midrange and 1-in fabric-dome tweeter. Sub: FR 28-90 Hz  $\pm 3$  dB. Satellite: power handling 100 W cont avg; FR 110-20,000 Hz  $\pm 2$  dB; imp 8 ohms; crossover point 2,400 Hz; sens 90 dB SPL/W/m. Black, white, or galaxy textured-enamel finish. Sub: 13 x 13 x 13 in. Sat: 5 1/2 x 10 x 5 1/2 in. \$1,050

System Seven Satellite \$500/pr  
System Seven Subwoofer \$550

### Thunder Powered Subwoofer

Two 10-in long-throw treated-paper drivers, 250-W power amp. Horizontally-opposed driver configuration to cancel vibrations. 3 speaker- and 1 line-level inputs. Black-enamel finish with simulated-granite inlaid top. 19 1/4 x 17 3/4 x 17 1/2 in; 70 lb. \$900

Mini-Thunder. As above, two 8-in drivers. 17 1/2 x 16 x 16 in; 57 lb. \$750

### System Six Powered Sub/Satellite System

Subwoofer with 18 3/8-in polypropylene woofer and 150-W power amp; two satellites, each with 3 1/2-in treated-paper midrange and 3/8-in Mylar-dome tweeter. Sub: FR 32-125 Hz  $\pm 3$  dB. Satellite: Power handling 50 W cont avg; FR 160-20,000 Hz  $\pm 4$  dB; imp 8 ohms; crossover point 3,200 Hz; sens 88 dB SPL/W/m. Black, white, or galaxy textured-enamel finish. Sub: 10 1/4 x 10 1/4 x 10 1/4 in. Sat: 4 x 7 x 4 in. \$800

System Six Satellite \$300/pr  
System Six Subwoofer \$500

### System 3 Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil woofer; two satellites, each with 4-in treated-paper midrange and 3/8-in Mylar-dome tweeter. Sub: power handling 75 W; FR 43-105 Hz  $\pm 3$  dB; imp 4 ohms; sens 87 dB SPL/W/m. Satellite: power handling 75 W; FR 125-20,000 Hz  $\pm 3$  dB; imp 8 ohms; crossover point 3,900 Hz; sens 87 dB SPL/W/m. Black, white, or galaxy textured-enamel finish. Sub: 12 x 16 x 12 in. Satellite: 5 1/2 x 8 3/4 x 5 in. \$500

System 3 Satellite \$275/pr

System 3 Subwoofer \$225

### System 5 2-Way Speaker

5-in woofer and 2 1/2-in Mylar-dome tweeter. Power handling 75 W; FR 75-16,000 Hz  $\pm 3$  dB; sens 88 dB

SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Black, white, or galaxy textured-enamel finish. 6 7/8 x 12 x 5 7/8 in. \$350/pr

## UNITY AUDIO

### PARM Subwoofer/Satellite System

Two subwoofers, each with two 12-in drivers; two satellites, each with two 7-in midranges and one 1 1/4-in tweeter. Features in-phase woofer and midrange coupling; outboard active crossover. FR 23-25,000 Hz  $\pm 1$  dB; sens 91 dB SPL/W/m; crossover points 130 and 2,200 Hz; imp 3/6 ohms. Fountainhead finish. Subwoofer: 14 x 14 x 14 in. Sat: 9 x 38 x 4 1/4 in. \$15,000

### Pyramid Signature 3-Way Speaker

10 1/2-in cast-magnesium-frame woofer, 7-in cast-magnesium-frame midrange, and 1 1/4-in dome tweeter. Features bottom-loaded woofer coupled directly to spiked feet; phase-optimized Class A unity-gain crossover. Power handling 300 W; FR 30-25,000 Hz  $\pm 2$  dB; sens 90 dB; crossover points 135 and 2,000 Hz; imp 6/8 ohms. Fountainhead finish. 11 x 11 in (base), 8 x 8 in (top), 45-in high; 80 lb. \$4,995/pr

### Signature One 3-Way Speaker

10-in cast-frame woofer, 7-in cast-frame midrange, and silk-dome tweeter. Features solid-copper binding posts; silver wiring; balanced Class A crossover; 3/4-in Medite cabinet with bracing every 6 inches. Power handling 300 W max; FR 36-20,000 Hz  $\pm 2$  dB; sens 90 dB; imp 8 ohms. Exotic wood finish. 9 x 44 x 9 in; 58 lb. \$2,995/pr

### CLA 1 3-Way Speaker

10 1/8-in floor-firing woofer, 6 5/8-in polypropylene-cone midrange, and 1 1/4-in dome tweeter. Features aperiodically damped reflex-loaded woofer; balanced Class A crossover. Power handling 300 W max; FR 34-20,000 Hz  $\pm 2$  dB; sens 90 dB SPL/W/m; crossover points 145 Hz and 2,500 Hz. Oak, walnut, black, or rosewood finish. 9 x 44 x 9 1/2 in; 55 lb. \$1,995/pr

### CLA 2 3-Way Speaker

8 1/4-in floor-firing woofer, 6 5/8-in polypropylene midrange, and 1 1/4-in dome tweeter. Features aperiodically-damped reflex-loaded woofer; balanced Class A crossover. Power handling 225 W max; FR 43-20,000 Hz  $\pm 2$  dB; sens 90 dB SPL/W/m; crossover points 145 and 2,500 Hz; imp 4/6 ohms. Oak, walnut, black, or rosewood finish. \$1,495/pr

### CLA 3 2-Way Speaker

Two 6 5/8-in woofers and 1 1/4-in tweeter. In-phase woofer-coupling; balanced Class A crossover. FR 45-20,000 Hz  $\pm 2$  dB; sens 89 dB SPL/W/m; crossover point 2,700 Hz; imp 4/6 ohms. Oak, walnut, black, or rosewood finish. 9 x 38 x 5 in; 36 lb. \$995/pr

## VANDERSTEEN

### Model 3 3-Way Speaker

10-in acoustic coupler, 8-in polycone woofer, 4 1/2-in polycone midrange with ferrofluid cooling, and 1-in critically damped metal-alloy dome tweeter with ferrofluid cooling. Biwire terminals. Power handling 200 W; FR 26-30,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 600 and 5,000 Hz. 16 x 48 x 10 1/4 in; 97 lb. \$2,395/pr

### Model 2Ce 3-Way Speaker

10-in long-fiber acoustic coupler, 8-in polycone woofer, 4 1/2-in polycone midrange with ferrofluid cooling, and 1-in critically damped metal-alloy tweeter with ferrofluid cooling. Biwire terminals. Power handling 160 W; FR 28-29,125 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; imp 7 ohms. crossover points 600 and 5,000 Hz. 16 x 39 1/4 x 10 1/4 in; 63 lb. \$1,295/pr

### Model 2W Powered Subwoofer

Slot-loaded design with three 8-in-long fiber-cone woofers with butyl-rubber surrounds; 300-W power amp with adjustable sens. Crossover at 80 Hz with 12-dB/oct slope. 18 x 18 1/2 x 17 in; 90 lb. \$1,250

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# S P E A K E R S

## Model 1B 2-Way Speaker

Rear slot-loaded design with 8-in polycone woofer and 1-in metal-alloy polymer-dome tweeter. 4th-order crossover. Power handling 100 W; frequency response 38-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; impedance 6.8 ohms; crossover point 2,800 Hz. 12 x 36 x 10 in; 50 lb ..... \$650/pr

## VECTEUR

### Premier MkIII 2-Way Speaker

Ported design with 5/4-in Bextrene cone woofer and 3/4-in polymer-dome tweeter. FR 45-20,000 Hz  $\pm$  3 dB; crossover point 3,200 Hz; sens 90 dB SPL/W/m; imp 4 ohms; power handling 100 W cont avg. Black-ash wood-veneer finish. 8 x 9 1/2 x 13 1/2 in. ... \$995/pr

## VECTOR RESEARCH

The following feature antiresonant one-piece woofer baskets, soft-dome tweeters, bass-reflex design, 8-ohm impedance, and a light-oak finish.

### VSP-230 Subwoofer/Satellite System

Subwoofer with 8-in driver; 2 satellites. each with 3 1/2-in shielded woofer and 2 1/2-in tweeter. Power handling 75 W max (sat), 125 W max (sub); FR 140-20,000 Hz (sat), 28-150 Hz (sub); imp 8 ohms (sat), 6 ohms (sub); sens 89 dB SPL/W/m (sat), 90 dB SPL/W/m (sub). Satellites: 4 3/8 x 8 1/4 x 4 1/2 in. Subwoofer: 5 3/8 x 20 1/8 x 12 3/4 in. 18 lb ..... \$500

### VSP-1230 3-Way Speaker

12-in woofer, 5-in midrange, and 1-in tweeter. Power handling 250 W; sens 92 dB SPL/W/m. 14 1/8 x 27 1/2 x 11 1/2 in; 37 lb ..... \$400/pr

### VSP-82 2-Way Speaker

8-in woofer and 2-in tweeter. Power handling 60 W; sensitivity 89 dB SPL/W/m. 10 3/8 x 18 3/4 x 8 3/8 in; 15 lb ..... \$160/pr

## VELODYNE

### ULD-18 Series II Powered Subwoofer

18-in servo-controlled, downward-firing driver with 3/4-in peak-to-peak linear travel, 400-W Class B power amp. Open/short circuit, low-voltage, and overload protection. FR 18-85 Hz  $\pm$  3 dB; input sens 300 mV; imp 20,000 ohms. Walnut, oak, or black finish. Cabinet: 23 1/2 x 21 1/2 x 31 in. Amp: 3 1/2 x 11 x 17 in. 120 lb ..... \$2,750

ULD-15. As above, 15-in driver. Cabinet: 17 x 18 1/4 x 22 1/2 in. 72 lb ..... \$1,895

### F-1500 Powered Subwoofer

15-in servo-controlled driver; 250-W Class A/B power amp. FR 18-85 Hz  $\pm$  3 dB; THD 0.7%; passive 85-Hz high-pass filter; adjustable 40-100 Hz low-pass filter. Black vinyl wood-grain, granite vinyl finish. 20 x 20 x 20 in; 79 lb ..... \$1,495

### ULD-12 Powered Subwoofer

12-in servo-controlled, downward-firing driver; 100-W Class B power amp. Thermal, open short circuit, low-voltage, and overload protection. FR 20-85 Hz  $\pm$  3 dB; input sens 300 mV; imp 16,000 ohms. Walnut, oak, or black finish. Cabinet: 15 3/8 x 17 x 21 in. Amp: 8 x 6 x 1 1/2 in; 51 lb ..... \$1,295

### F-1200 Powered Subwoofer

12-in servo-controlled driver; 100-W Class A/B power amp. FR 20-85 Hz  $\pm$  3 dB; THD 1%; passive 85-Hz high-pass filter; adjustable 40-100 Hz low-pass filter. Black vinyl wood-grain, granite vinyl finish. 16 3/8 x 16 3/8 x 16 3/8 in; 55 lb ..... \$1,095

F-1000. As above, 10-in driver. 80-W x 1 rms cont. 14 1/4 x 14 1/4 x 14 1/4 in; 44 lb ..... \$895

### VA1012-II Powered Subwoofer

10-in driver and 12-in passive radiator; 60-W Class A/B power amp. Line- and speaker-level inputs and outputs. FR 28-85 Hz; 85-Hz high-pass filter; 6-dB/oct low-pass filter. Black finish. 17 1/4 x 18 5/8 x 18 1/4 in; 40 lb ..... \$695

### VA810 Powered Subwoofer

8-in driver and 10-in passive radiator; 50-W Class A/B power amp. Line- and speaker-level inputs and outputs. FR 35-85 Hz; 85-Hz high-pass filter; 6-dB/oct low-pass filter. Black finish ..... \$595

## VENTURI by BIC AMERICA

The following feature a vented cabinet with horizontal cross-bracing and an oak finish, 5-way gold-plated binding posts, and 5-year warranty.

### V830 3-Way Speaker

8-inch carbon/polypropylene woofer, 6-in cast-frame polycarbonate midrange, and 1-in poly laminate soft-dome tweeter. Power handling 250 W; FR 38-22,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 1,000 and 5,000 Hz. 10 1/4 x 40 x 11 1/2 in; 45 lb ..... \$799/pr

### V630 3-Way Speaker

6-in woofer, 6-in polycarbonate midrange, and 1-in poly laminate soft-dome tweeter. Power handling 150 W; FR 45-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 800 and 3,000 Hz. 9 x 34 1/4 x 11 1/8 in; 37 lb ..... \$599/pr

### V820 2-Way Speaker

8-in woofer and 1-in poly laminate soft-dome tweeter. Power handling 150 W; FR 40-22,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 10 1/4 x 26 3/4 x 11 1/2 in; 29 lb ..... \$439/pr

### V620 2-Way Speaker

6-in woofer and 3/4-in poly laminate soft-dome tweeter. Power handling 120 W; FR 49-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 9 x 22 3/4 x 11 1/8 in; 24 lb ..... \$329/pr

### M6 2-Way In-Wall Speaker

6 1/2-in polycarbonate cone woofer and 1-in soft-dome tweeter. FR 50-20,000 Hz. 8 3/8 x 12 x 3 1/2 in. .... \$229/pr

### V62 2-Way Bookshelf Speaker

6-in woofer and 3/4-in poly laminate tweeter. Power handling 100 W; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. 8 3/8 x 14 1/4 x 9 1/8 in; 14 lb ..... \$219/pr

### M5 2-Way In-Wall Speaker

5 1/4-in polycarbonate cone woofer and 1/2-in soft dome tweeter. FR 50-20,000 Hz. 7 1/2 x 11 x 3 3/8 in ..... \$169/pr

### V52 2-Way Bookshelf Speaker

5 1/4-in woofer and 1/2-in polyimide-dome tweeter. Power handling 75 W; FR 60-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. 7 x 11 1/4 x 7 in ..... \$149/pr

## VIDEOLINK

### S-66 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and 1-in ferrofluid-damped soft-dome tweeter. Features removable baffle panel system; 2-position tweeter control. Power handling 75 W cont avg; FR 55-18,000 Hz  $\pm$  2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 8 7/8 x 11 1/8 ..... \$260/pr

S-64. As above, 3/4-in ferrofluid-damped hard-dome tweeter. Power handling 50 W cont avg; FR 55-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 5,000 Hz ..... \$160/pr

S-62. As S-66, 2-in cone tweeter. Power handling 35 W cont avg; FR 60-16,000 Hz  $\pm$  4 dB; sens 87 dB SPL/W/m; crossover point 6,500 Hz ..... \$100/pr

F-63 Bezel and Grille Kit. In-wall locking system for S-66 ..... \$40/pr

R-61. Brackets with wings attached ..... \$40/pr

## VMPS

### Super Tower III 4-Way Speaker

Passive-radiator design with two 15-in woofers, 12-in woofer, two 10-in woofers, four 5-in cone midranges,

four 1-in dome tweeters, and three 3/4-in ribbon super tweeters. Separate level controls for midrange, tweeter, and supertweeter. FR 17-50,000 Hz  $\pm$  0, -3 dB; sens 98 dB SPL/W/m; crossover points 80, 500, 4,500, and 15,000 Hz; imp 8 ohms ..... \$4,795/pr

### Super Tower/R Special Edition 5-Way Speaker

Multiband bass design with two 15-in woofers, 10-in woofer, two 5-in cone midranges, 2-in ribbon tweeter, and two 1-in dome supertweeters. Separate level controls for midrange, tweeter, and supertweeter. FR 20-50,000 Hz  $\pm$  0, -3 dB; sens 94 dB SPL/W/m; crossover points 80, 600, 5,000, and 15,000 Hz; imp 4 ohms. Oak finish. 18 x 52 x 18 in; 175 lb ..... \$2,998/pr

### Super Tower/R 5-Way Speaker

Multiband bass design with two 15-in woofers, 12-in woofer, two 5-in cone midranges, two 2-in ribbon tweeters, and two 1-in dome supertweeters. Separate level controls for midrange, tweeter, and supertweeter. FR 20-50,000 Hz  $\pm$  3 dB; sens 96 dB SPL/W/m; crossover points 80, 400, 4,000, and 12,000 Hz; imp 4 ohms. Oiled walnut finish ..... \$1,998/pr

### Tower II Special Edition 4-Way Speaker

Multiband bass design with three 12-in woofers, 5-in cone midrange, 2-in ribbon tweeter, and one 1-in dome supertweeter. Separate level controls for midrange, tweeter, and supertweeter. FR 22-50,000 Hz  $\pm$  0, -3 dB; sens 94 dB SPL/W/m; crossover points 80, 600, 5,000, and 15,000 Hz ..... \$1,776/pr

### Tower II 4-Way Speaker

Ported design with three 12-in woofers, 5-in cone midrange, 1-in dome tweeter, and piezo supertweeter. Separate level controls for midrange, tweeter, and supertweeter. FR 22-50,000 Hz  $\pm$  3 dB; sens 95 dB SPL/W/m; crossover points 80, 400, 4,000, and 12,000 Hz; imp 4 ohms ..... \$1,298/pr

### QSO 808 3-Way Speaker

Ported design with 12-in woofer, 5-in cone midrange, and 1-in dome tweeter. Separate level controls for midrange and tweeter. FR 34-20,000 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover points 600 and 5,000 Hz; imp 8 ohms. Oiled-walnut finish. 15 x 26 x 12 in; 50 lb ..... \$690/pr

### VMPS Large Subwoofer

15-in woofer and 12-in passive radiator. FR 17-250 Hz  $\pm$  3 dB; sens 95 dB SPL/W/m; imp 4 ohms. Oiled-walnut finish. 22 x 39 x 17 in; 140 lb ..... \$599

### Mini Tower Ila 4-Way Speaker

Passive-radiator design with two 10-in woofers, 5-in cone midrange, two 1-in dome tweeters, and one piezo supertweeter. Separate level controls for midrange, tweeter, and supertweeter. FR 28-30,000 Hz  $\pm$  0, -3 dB; sens 92 dB SPL/W/m; crossover points 500, 4,500, and 15,000 Hz; imp 8 ohms ..... \$479

### VMPS Original Subwoofer

Passive-radiator design with 12-in woofer. FR 19-600 Hz; sens 94 dB SPL/W/m; imp 8 ohms. Oiled-walnut finish. 22 x 27 x 17 in; 95 lb ..... \$429

### VMPS Small Subwoofer

Passive-radiator design with 12-in woofer. FR 28-600 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 15 x 26 x 16 in; 140 lb ..... \$329

### QSO 404 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Separate level control for tweeter. FR 48-17,000 Hz  $\pm$  0, -3 dB; sens 90 dB SPL/W/m; crossover point 3,500 Hz; imp 8 ohms. Oiled walnut finish. .... \$229

## VORTEX

The following feature a 5-year warranty.

### KRS Subwoofer/Satellite System

Triple chamber, multivented transmission-line subwoofer with 8-in ribbon-voice-coil driver; 2 satellites, each with 4-in doped Kevlar midrange in MDF cham-

# S P E A K E R S

ber and 1-in titanium-dome tweeter with butyl-rubber edge and double-magnet. Computer-designed crossover with Linkwitz-Riley topology; gold-plated biwire/biamp terminals; separate inputs for woofer and satellites; 6 brass foot spikes. Power handling 300 W; FR 27-25,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m. Sub: 35 x 18 x 11 in; 69 lb. Satellite: 14 x 18 x 11 in; 34 lb. . . . . \$3,550

### Signature Screen Subwoofer/Satellite System

Triple chamber, multivented transmission-line subwoofer with 8-in mineral-filled plastic-cone woofer; 2 satellites, each with 5-in fiberglass midrange in mbr chamber and 1-in aluminum-dome tweeter with butyl rubber edge. Computer-designed crossover with Linkwitz-Riley topology. Gold-plated biwire/biamp terminals; separate inputs for woofer and satellites; 6 brass-alloy foot spikes. Power handling 300 W; FR 27-25,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m. Sub: 35 x 18 x 11 in; 69 lb. Sat: 14 x 18 x 11 in; 34 lb. . . . . \$1,950

### Compact Screen 3-Way Speaker

Transmission-line design with two 6 1/2-in polycone woofers, 3-in treated-cone midrange, and 1-in soft-dome tweeter. Sens 90 dB SPL/W/m; imp 4 ohms. 15 x 43 x 8 in; 55 lb. . . . . \$990/pr

### Forcefield Series

The following feature 1 1/2-in thick baffles, magnetic shielding, and gold-plated 5-way binding posts. They are available in natural-oak or black-ash hardwood with a black grille.

### Model 800 2-Way Tower Speaker

Bipolar design with four 6 1/2-in polypropylene midranges and 1-in textile-dome tweeter in concentrical-

ly focused triple-chambered transmission-line enclosure. Features multivented tuning to 30 Hz; odd-order Bessel topology with optimized directivity and group delay; Mylar and polypropylene capacitors; 6 brass-alloy foot spikes. Power handling 250 W; FR 30-25,000 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 1,800 Hz. 9 1/2 x 46 x 16 in; 60 lb. . . . . \$1,295/pr  
**Model 600.** As above, two midranges. Sens 91 dB SPL/W/m; imp 4 ohms. . . . . \$995/pr

### Mini-Monitor 2-Way Mini-Speaker

Critically-damped 2nd-order enclosure with 6 1/2-in polypropylene woofer and 1-in fabric-dome tweeter. Features non-parallel walls; time-aligned baffle; non-diffraction grill; patented tweeter lens; Bessel topology. Power handling 100 W; FR 60-25,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 1,800 Hz. 9 1/2 x 12 1/2 x 10 1/4 in; 18 lb. . . . . \$495/pr

### SUB-Module Subwoofer

Critically-damped 4th-order enclosure with two 6 1/2-in polypropylene drivers. Features two rear-firing vents tuned to 30 Hz; Linkwitz-Riley topology; brass foot spikes. Power handling 150 W; FR 30-150 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; crossover point 70 Hz with 12-dB/oct slope. 22 x 11 x 18 in; 44 lb. . . . . \$495

## WALL SOUND

### SE-893 3-Way In-Wall Speaker

8-in coated-paper woofer with 25-oz magnet, 1-in soft-dome midrange, and 1/2-in polyimide tweeter. Power handling 100 W max; imp 8 ohms; sens 92 dB; crossover points 750 and 5,000 Hz; FR 30-30,000 Hz. 10 7/8 x 15 1/4 x 3 3/8 in. . . . . \$370/pr

### SE-892 2-Way In-Wall Speaker

8-in coated paper woofer with 25 oz magnet and 1-in soft-dome tweeter. Power handling 100 W max; imp 8 ohms; sens 92 dB; crossover point 2,500 Hz; FR 30-25,000 Hz. 10 7/8 x 15 1/4 x 3 3/8 in. . . . . \$330

### SE-790 2-Way In-Wall Speaker

6 1/2-in polycarbonate cone woofer with 10-oz magnet and 1/2-in soft dome tweeter. Power handling 60 W max; imp 8 ohms; sens 90 dB; crossover point 3,000 Hz; FR 50-22,000 Hz. 8 7/8 x 12 3/8 x 3 3/8 in. . . . . \$280/pr

### SE-520 W 2-Way In-Wall Speaker

5-in coated-paper woofer and 1-in polyimide soft-dome tweeter. Power handling 100 W max; imp 8 ohms; sens 87 dB; crossover point 3,000 Hz; FR 65-20,000 Hz. 6 x 9 x 5 3/8 in. . . . . \$270

**SE-520 MB.** Mounting brackets for above. . . . . \$50/pr

### SE-890 In-Wall Subwoofer

8-in coated-paper dual-voice-coil woofer with 25-oz magnet. Power handling 100 W max; imp 8 ohms x 2; sens 90 dB; crossover point 120 Hz; FR 30-500 Hz. 10 7/8 x 15 1/4 x 3 3/8 in. . . . . \$260/pr

### SE-694 2-Way In-Wall Speaker

5 1/2-in polycarbonate woofer with 10-oz magnet and 1-in soft dome tweeter. Power handling 60 W max; imp 8 ohms; sens 90 dB; crossover point 3,500 Hz; FR 60-21,000 Hz. 6 7/8 x 9 3/8 x 3 in. . . . . \$230/pr

### SE-691 2-Way In-Wall Speaker

5 1/4-in polycarbonate woofer with 10-oz magnet and 1/2-in polyimide tweeter. Power handling 60 W max; imp 8 ohms; sens 90 dB; crossover point 5,000 Hz; FR 60-20,000 Hz. 6 7/8 x 9 3/8 x 3 in. . . . . \$170/pr

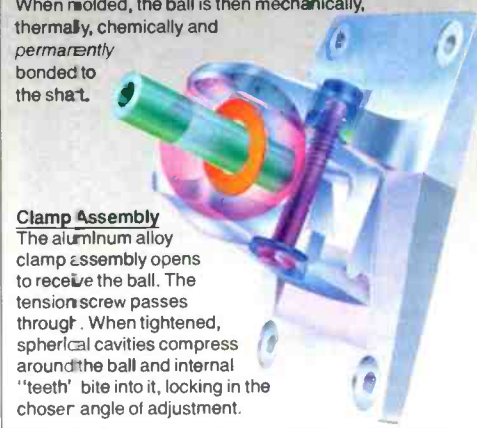
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## WATERWORKS ACOUSTICS

The following feature a pipe-like enclosure and a 3-year warranty. Custom finishes are available.

### Soundpipe Two 2-Way Speaker

Two 5-in poly-cone woofers and 3/4-in tweeter. Power handling 120 W cont avg; FR 80-20,000 Hz  $\pm$  3 dB; imp 4 ohms; sens 90 dB SPL/W/m. Black or white finish. 6 x 21 1/2 x 8 1/2 in; 22 lb ..... \$699/pr

### Soundpipe Sub Subwoofer

10-in dual-voice-coil poly-cone woofer. Power handling 120 W cont avg; FR 30-100 Hz  $\pm$  3 dB; imp 3 ohms; sens 90 dB SPL/W/m. Black or white finish. 40 lb ..... \$499

### Soundpipe One 2-Way Speaker

5-in poly-cone woofer and 1/2-in tweeter. Power handling 60 W cont avg; FR 80-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88 dB SPL/W/m. Black or white finish. 6 x 13 x 8 1/2 in; 12 lb ..... \$399/pr

### Accessories

Speaker stands	\$199/pr
4 x 48-in mounting pipe	\$119/pr
2 x 48-in mounting pipe	\$99/pr
4 x 36-in mounting pipe	\$89/pr
2 x 36-in mounting pipe	\$69/pr
4 x 24-in mounting pipe	\$59/pr
2 x 24-in mounting pipe	\$39/pr
Sconce mount bracket	\$89/pr
Sub mounting plate	\$89/pr
Brackets (SP1 only)	\$49/pr
Mounting pipe adaptor	\$49/pr
Animal grilles	\$89/pr
Banana plugs	\$9.95/pr

## WAVEFRONT ACOUSTICS

### Peak Two Gold 2-Way Speaker

D'Appolito configuration with two 8 3/4-in woofers and one 1 1/8-in textile-dome tweeter. Imp linearization circuitry. Power handling 300 W cont avg; FR 35-25,000 Hz  $\pm$  3 dB; imp 3.2 ohms from 30-20,000 Hz; sens 90 dB. Multilayer lacquer with black accents. 12 1/4 x 23 1/2 x 14 in; 200 lb ..... \$10,000/pr

**Peak Two.** As above, with less refined crossover. Multilayer lacquer with black accents. 12 1/4 x 23 1/2 x 14 in; 110 lb ..... \$6,000/pr

### Peak One Gold 2-Way Speaker

Sealed-box design with 8 3/4-in woofer and 1 1/8-in textile-dome tweeter. Imp linearization circuitry. Power handling 150 W cont avg; FR 35-25,000 Hz  $\pm$  3 dB; imp 5.5 ohms from 30-20,000 Hz; sens 88 dB. High luster hand-rubbed oiled walnut. 10 1/4 x 23 1/2 x 14 in; 100 lb ..... \$7,000/pr

**Peak One.** As above, with less refined crossover. 10 1/4 x 23 1/2 x 14 in ..... \$4,000/pr

## WESTLAKE AUDIO

### SM-1F Five Amp Powered 5-Way Speaker

Ported design with two 18-in woofers, 12-in midbass driver, 2-in horn-loaded compression midrange, 1-in horn-loaded compression tweeter, and 1/2-in compression tweeter. Includes SM-1X and MRX-2 active crossovers and 2 pedestals. Frequency response 20-20,000 Hz; crossover points 200, 800, 3,200, and 10,000 Hz ..... \$56,000/pr

**SM-1F Quad Amp.** As above, without MRX-2. 49 x 39 x 32 in; 450 lb ..... \$49,500/pr

**SM-1F Bi Amp.** As above, with MRX-2 and two HLX-SM1 passive crossovers for biamp applications ..... \$45,000/pr

### HR-1VF Quad Amp Powered 4-Way Speaker

Ported design with two 15-in woofers, 10-in midbass driver, 2-in horn-loaded compression midrange, and

1-in horn-loaded compression tweeter. Includes HR-1X active crossover. FR 34-16,000 Hz  $\pm$  3 dB. 34 x 48 x 21 in; 410 lb ..... \$28,000/pr

**HR-1VF Bi Amp.** Horizontal configuration of above without HR-1X crossover. Includes two HLX-1K and MRX-2 crossovers. 44 x 31 x 21 in; 400 lb \$24,500/pr

**HR-1F Quad Amp.** As HR-1VF Quad Amp, horizontal configuration. 400 lb ..... \$25,950/pr

**HR-1FP.** Walnut pedestals ..... \$1,950/pr

### TM-3VF Bi Amp Powered 3-Way Speaker

Ported design with two 15-in woofers, 2-in horn-loaded compression midrange, and 1-in horn-loaded tweeter. Includes active crossover. FR 34-16,000 Hz  $\pm$  3 dB. 34 x 44 x 21 in; 395 lb ..... \$20,690/pr

**TM-3VF Single Amp.** As above, with pair of HLX-800 passive crossovers installed. 34 x 44 x 21 in; 420 lb ..... \$18,975/pr

### BBSM-15F 3-Way Speaker

Ported design with two 15-in woofers, 10-in midrange driver in integral nonresonant enclosure, and 2-in horn-loaded compression tweeter. Power handling 300 W max; FR 50-15,000 Hz  $\pm$  3 dB; imp 4 ohms; crossover points 350 and 1,600 Hz. 41 x 27 1/4 x 25 in; 400 lb ..... \$12,000/pr

**BBSM-15FP.** Walnut pedestals ..... \$1,950

### BBSM-12VF 3-Way Speaker

Ported design with two 12-in woofers, 6 1/2-in midrange in integral nonresonant enclosure, and 1 1/4-in dome tweeter. Power handling 180 W max; FR 40-16,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 500 and 4,000 Hz. 30 1/2 x 48 1/2 x 18 3/4 in; 240 lb ..... \$5,800/pr

**BBSM-12F Bi-Wire.** As above, power handling 180 W max; FR 50-16,000 Hz  $\pm$  3 dB. 34 x 19 x 23 in; 185 lb ..... \$5,250/pr

### BBSM-10VF 3-Way Speaker

Ported design with two 10-in woofers, 6 1/2-in midrange in integral nonresonant enclosure, and 1 1/4-in dome tweeter. Power handling 120 W max; FR 45-16,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 600 and 4,000 Hz. 27 x 44 1/2 x 17 in; 175 lb ..... \$4,850/pr

**BBSM-10F Bi-Wire.** As above. 30 x 16 x 21 1/2 in; 136 lb ..... \$4,400/pr

### BBSM-8VF 3-Way Speaker

Ported design with two 8-in woofers, 3 1/2-in midrange driver, and 1-in dome tweeter. Power handling 100 W max; FR 58-16,000 Hz  $\pm$  3 dB; imp 4 ohms; sens 93 dB SPL/W/m; crossover points 600 and 5,000 Hz. Oiled walnut finish. 19 1/4 x 42 1/4 x 12 3/8 in; 165 lb ..... \$4,050/pr

**BBSM-8F.** As above. FR 65-18,000 Hz  $\pm$  3 dB. 26 x 13 x 16 1/2 in; 90 lb ..... \$3,600/pr

### BBSM-6VF 3-Way Speaker

Ported design with dual 6-in woofers, 3 1/2-in midrange driver, and 1-in dome tweeter. Power handling 80 W max; FR 55-16,000 Hz  $\pm$  3 dB; imp 4 ohms; sens 91 dB SPL/W/m; crossover points 600 and 6,000 Hz. Oiled walnut finish. 15 1/4 x 41 3/8 x 10 7/8 in; 95 lb ..... \$3,375/pr

**BBSM-6F.** As above, power handling 60 W max; frequency response 60-20,000 Hz  $\pm$  3 dB. 10 1/2 x 22 x 13 in; 55 lb ..... \$2,800/pr

### BBSM-4F 2-Way Speaker

Ported design with two 4-in woofers and 3 1/4-in dome tweeter. Power handling 50 W max; FR 65-20,000 Hz  $\pm$  3 dB; imp 4 ohms; crossover point 1,500 Hz. 15 x 8 x 10 in; 26 lb ..... \$1,800/pr

## WHARFEDALE

### Harewood 2-Way Speaker

Infinite-baffle design with 8-in mineral-filled polypropylene woofer and 1-in titanium-dome tweeter in alloy housing. Features cast-aluminum chassis; sandwich-mounted bass units; downward-firing flared-reflex port. Gold-plated biwire biamp terminals. Power handling 30 W cont avg; FR 39-25,000

Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black-ash finish. 10 x 12 x 10 in; 36 lb ..... \$2,375/pr

### Model 519 3-Way Speaker

Infinite-baffle design with 8-in woofer, 5-in midrange, and 1-in ceramic-dome tweeter. Biwire biamp terminals. Power handling 100 W cont avg; FR 37-20,000; sens 87 dB SPL/W/m. Black-ash or mahogany veneer finish. 10 1/2 x 28 x 13 in ..... \$1,500/pr

**Model 517.** As above, without 5-in midrange. FR 39-20,000 Hz. 10 1/2 x 21 x 12 1/2 in ..... \$1,000/pr

**Model 515.** As above, FR 42-20,000 Hz. Black-ash finish. 10 1/2 x 15 1/2 x 12 in ..... \$700/pr

### Model 440/45 2-Way Speaker

Infinite-baffle design with two 8-in mineral-filled polypropylene woofers and 1-in metal-dome tweeter. Power handling 150 W max; FR 35-25,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash finish. 10 x 31 1/2 x 11; 27 lb ..... \$950/pr

**Model 430/35.** As above, power handling 125 W max; FR 38-20,000 Hz. 10 x 25 1/2 x 11 in ..... \$750/pr

### Model 2130 Subwoofer/Satellite System

Subwoofer with two 8-in drivers in push-pull configuration; two satellites, each with 4-in midrange and two 3/4-in metal-dome tweeters. Power handling 40 W cont avg; FR 35-22,000 Hz; sens 89 dB; imp 8 ohms. Black-vinyl finish. Sub: 12 1/2 x 8 x 19 3/4 in; 28. Satellite: 5 1/4 x 8 3/4 x 4 1/4 in; 13 lb ..... \$600

### Model 425 2-Way Speaker

Infinite-baffle design with 8-in mineral-filled polypropylene woofer and 1-in aluminum-dome tweeter. Power handling 100 W cont avg; frequency response 40-25,000 Hz; sens 88 dB SPL/W/m; crossover point 5,000 Hz. Black-ash or mahogany finish. 10 1/2 x 16 x 10 in ..... \$475/pr

### Model 415 2-Way Speaker

Infinite-baffle design with 6 3/4-in mineral-filled polypropylene woofer and 1-in aluminum-dome tweeter.



Wavefront Acoustics Peak Two Gold

# S P E A K E R S

Power handling 100 W cont avg; frequency response 45-25,000 Hz; sensitivity 87 dB SPL/W/m; crossover point 3,500 Hz. Black-ash or mahogany finish. 9½ x 14 x 8 in ..... \$375/pr

## Diamond IV 2-Way Speaker

Ported design with 4¾-in mineral-filled polypropylene woofer and ¾-in metal-dome tweeter. Power handling 20 W cont avg; FR 50-25,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 7¼ x 10½ x 7¼ in; 9 lb ..... \$300/pr  
**Diamond III.** As above, with 4½-in woofer and ¾-in dome tweeter. 7 x 9 x 8 in; 8 lb ..... \$225/pr

## WILSON AUDIO

### WAMM Series VII 4-Way Speaker System

4-piece system with 16 drivers varying from 1 to 180-in. Features subwoofer, EO, and active crossover. Must be biamplified. Power handling 50 W min; FR 17-30,000 Hz ±3 dB; sens 99 dB; imp 4 ohms; crossover points 55, 400, and 3,000 Hz. 1,850 lb ..... \$125,000

### Pow Whow II Powered Subwoofer

18-in driver; 400-W power amp. Active crossover included. FR 17-55 Hz ±3 dB; crossover point 55 Hz. 5-yr warranty. 17 x 40 x 29 in; 260 lb ..... \$12,720  
**WHOW II U.** As above, must be biamplified. 210 lb ..... \$9,390

### WATT III 2-Way Speaker

Ported QB3 enclosure made of mineral and ceramic-filled polymer with 6½-in woofer and 1-in tweeter. FR 55-20,000 Hz ±3 dB; sens 91 dBA SPL/W/m; imp 4 ohms. Diamond-black, El Dorado, Asian pearl, or Sierra granite finish. Wood side panels also come in variety of standard finishes. 5-yr warranty. 12 x 14 x 16½ in; 60 lb ..... \$7,450

### Puppy II Subwoofer

Two 8½-in low-mass polymer cone woofers with 2-in voice-coils. FR 28-125 Hz; sens 91 dBA SPL/W/m; imp 4 ohms. 5-yr warranty. 11¾ x 24 x 16 in; 77 lb/pr ..... \$5,450

## WOLCOTT

### MDH-2B Omnisphere 2-Way Speaker

Bass-reflex design with four 6½-in polypropylene-cone, butyl-surround woofers, and 1½-in soft-dome tweeter. Features vertically aligned tweeter; closely spaced 6-in-radius sphere and semisphere to form radial horn; auto electronic tweeter protection. Power

handling 250 W rms; FR 30-20,000 Hz ±3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Unit on casters with floor-loaded ports. High-gloss black-lacquer finish. 21 x 49 x 21 in; 110 lb ..... \$5,995/pr  
**MDH-2C.** As above. black base ..... \$4,850/pr

## YAMAHA

### Tri-Sound A1 Subwoofer/Satellite System

Two NS-A325 satellites and YST-SW100 powered subwoofer ..... \$599  
**Tri-Sound A2.** As above, with YST-SW50 powered subwoofer ..... \$499

### YST-SW100 Powered Subwoofer

Active-servo-technology design with two 7-in cone woofers and 1¼-in air woofer. 70-W power amp into 5 ohms; magnetically-shielded cabinet. Line- and speaker-level inputs. Continuously variable high-pass filter with 24-dB/oct slope; volume control. FR 21-180 Hz. Black finish ..... \$449

### YST-SW50 Powered Subwoofer

Active-servo-technology design with 7-in driver. 50-W power amp into 6 ohms; magnetically shielded cabinet. Features variable high-pass filter (50-200 Hz) with 18-dB/oct slope. FR 25-200 Hz. Black finish. 8¼ x 18¾ x 13¼ in ..... \$329

### WSX-10 2-Way In-Wall Speaker

6¾-in woofer and 1-in tweeter. Power handling 80 W nom; FR 50-25,000 Hz; sens 89 dB SPL/W/m; imp 5 ohms. White paintable finish and grille. 8¾ x 12½ x 3¾ in ..... \$200

**SBX-10.** New-construction bracket ..... \$40/pr

### NS-10M 2-Way Bookshelf Speaker

Acoustic-suspension design with 7-in white-cone woofer and 1¾-in soft-dome tweeter. Power handling 50 W nom; sens 90 dB SPL/W/m; imp 8 ohms. 8½ x 15 x 7¾ in ..... \$199

### NS-A102 Full-Range Speaker

Bass-reflex design with 4-in full-range driver. Designed for surround applications. Wall mountable. Includes stand. Power handling 30 W max. Gray finish. 8½ x 11½ x 3½ in ..... \$89

### NS-A325 2-Way Mini Speaker

Acoustic-suspension design with 3½-in coated hi-polymer woofer and ¾-in Mylar dome tweeter. Magnetically shielded cabinet. Power handling 120 W max; FR 150-22,000 Hz ±3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black finish. 7¾ x 4¾ x 4 in ..... \$85

**SB-325.** Wall-mount speaker brackets for NS-A325; 2 swivel points ..... \$60/pr

### NS-A95 2-Way Speaker

Acoustic-suspension design with 4½-in woofer and 2-in cone tweeter. Designed for surround applications. Includes mounting bracket and speaker wire. Power handling 30 W; sens 91 dB SPL/W/m; imp 4 ohms. Black finish. 9 x 9 x 3½ in; 4.4 lb ..... \$79/pr  
**NS-A90A.** As above, white ..... \$79/pr

## R/2 Series Loudspeakers

### NS-A1030 3-Way Speaker

10-in polycarbonate woofer, 5-in polycarbonate mid-range, and 1-in microcell dome tweeter. Power handling 180 W rms; FR 40-22,000 Hz ±3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Solid-oak veneer finish ..... \$700/pr  
**NS-A1035.** As above, gloss-black finish ..... \$700/pr

### NS-A930 3-Way Bookshelf Speaker

8-in polycarbonate woofer, 5-in polycarbonate mid-range, and 1-in microcell dome tweeter. Power handling 160 W rms; FR 45-22,000 Hz ±3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Solid-oak veneer finish ..... \$500/pr  
**NS-A935.** As above, black solid-oak top and vinyl sides ..... \$500/pr

### NS-A820A 2-Way Bookshelf Speaker

8-in polycarbonate woofer and 1-in microcell dome tweeter. Power handling 140 W rms; FR 50-22,000 Hz ±3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Oak-veneer finish ..... \$360/pr  
**NS-A825A.** As above, black-oak veneer ..... \$360/pr

### NS-A620A 2-Way Bookshelf Speaker

6½-in polycarbonate woofer and ¾-in microcell dome tweeter. Power handling 120 W rms; FR 60-22,000 Hz ±3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Oak-veneer finish ..... \$240/pr  
**NS-A625A.** As above, black-oak veneer ..... \$240/pr  
**NS-A615.** As above, black-oak vinyl ..... \$199/pr

## Center-Channel Speakers

### NS-C110 2-Way Center-Channel Speaker

Shielded cabinet with two 4¾-in cone woofers and 1-in soft-dome tweeter. Power handling 120 W max; FR 60-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Black finish. 18¾ x 6 x 7¾ in ..... \$199

### NS-C90 Center-Channel Speaker

Shielded cabinet with two 4½-in full-range drivers. Power handling 100 W max; FR 60-20,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms. Black finish. 17½ x 5¾ x 7¼ in ..... \$149

### NS-C70 Center-Channel Speaker

Shielded cabinet with two 4-in full-range drivers. Power handling 40 W nom; FR 70-20,000 Hz; imp 6 ohms. Black finish. 17½ x 5¾ x 6¼ in ..... \$129

### NS-APC10 Powered Center-Channel Speaker

Shielded cabinet with 4-in full-range driver. 25-W power amp. Black vinyl. 14 x 5¼ x 6¼ in ..... \$129

### NS-AC1 Center-Channel Speaker

Shielded cabinet with 4-in full-range driver. Black vinyl finish. 14 x 5¼ x 6¼ in ..... \$75

## YANKEE

### FPR-78 PM Ribbon Speaker

Planar ribbon design using foil ribbons. Features full-range single diaphragm; crossoverless configuration; gold plated 5-way binding posts; proprietary Litz internal wiring. FR 22-20,000 Hz ±2 dB; imp 4 ohms. Satine solid-hardwood finish. 35 x 78 x 3½ in; 225 lb ..... \$11,900

**FPR-72 Mk III.** As above, 62% smaller drivers. FR 29-20,000 Hz ±2 dB; imp 3 ohms. 29½ x 72 x 3½ in; 135 lb ..... \$7,700

**FPR-72 SL.** Slim-line version of above ..... \$7,000



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# H E A D P H O N E S

## AIWA

### HP-X1000 Headphones

9 $\frac{7}{8}$ -ft coiled cord with gold-plated phone plug. Two 2 $\frac{1}{8}$ -in dome amorphous-diamond laminated diaphragms; glass-fiber-reinforced plastic baffles; copper-clad aluminum-wire voice coils. Includes adaptor. Power handling 1.5 W; FR 5-30,000 Hz; sens 103 SPL/W/m; imp 45 ohms. 8.8 oz ..... \$125

**HP-X500.** As above, sapphire-laminated diaphragm. FR 5-27,000 Hz. 8.5 oz ..... \$75

### HP-X80 Headphones

Coiled cord with 24-karat gold-plated plug. Samarium-cobalt drivers; 1 $\frac{1}{4}$ -in carbon-disc flat diaphragms. 180°-turn ear pads. Includes plug adaptor ..... \$95

**HP-X50.** As above, double-dome 1 $\frac{3}{8}$ -in driver units. Straight cord ..... \$70

**HP-X30.** As above, fixed ear pad ..... \$50

### HP-V88 Earphones

24-karat gold-plated mini plug. Ear buds with samarium-cobalt drivers, double-dome diaphragms, 2 $\frac{3}{8}$ -in bass resonator ducts. Includes  $\frac{1}{4}$ -in phone-plug adaptor and cord-winding carrying case ..... \$80

**HP-V57.** As above, 1 $\frac{1}{4}$ -in resonator ducts, no  $\frac{1}{4}$ -in adaptor. Features in-line volume control ..... \$35

**HP-V53.** As above, no volume control ..... \$28

**HP-V25.** As above,  $\frac{5}{8}$ -in drivers. Includes 3 pairs of earpads ..... \$22

**HP-V12.** As above, without case ..... \$12

### HP-X35 Headphones

26-ft OFC cord and 24-karat gold-plated mini plug. 1 $\frac{1}{8}$ -in-diameter drivers. Features in-line volume control and stereo/mono switch. Includes phone-plug adaptor. FR 5-23,000 Hz; sens 102 dB; imp 40 ohms. 4.9 oz ..... \$60

### HP-J7 Earphones

3.9-ft OFC cord and 24-karat gold-plated mini plug. Features  $\frac{5}{8}$ -in, U-shaped bass resonator ducts. Includes cord-winding carrying case. FR 8-25,000 Hz; sens 105 dB; imp 16 ohms. 0.2 oz ..... \$50

### HP-A550 Open-Air Headphones

24-karat gold-plated mini plug. 1 $\frac{1}{8}$ -in-diameter double-dome driver units;  $\frac{3}{4}$ -in bass-resonator ducts; copper-clad aluminum-wire voice coils. Includes phone-plug adaptor; double earpads ..... \$33

**HP-A350.** As above, no double earpads ..... \$27

### HP-A300 Open-Air Headphones

4 $\frac{7}{8}$ -ft OFC cord and mini plug. 1 $\frac{1}{2}$ -in-diameter drivers; copper-clad aluminum-wire voice coils. Includes phone-plug adaptor. FR 10-20,000 Hz; sens 97 dB; imp 32 ohms. 1.7 oz ..... \$20

## AKG ACOUSTICS

### K1000 Headphones

15-ft OFC cable with gold-plated XLR connector. Dynamic MC transducer magnet system; soft-leather earpads. FR 20-20,000 Hz; sens 74 dB; imp 120 ohms; power handling 1 W; THD 0.05%. 10 oz ..... \$895

### K340 Headphones

10-ft, 4-conductor cable with 3-conductor phone plug. 2-way design with fixed-charge electrostatic, MC transducer, and passive diaphragms in each earcup. FR 16-25,000 Hz; sens 88 dB; imp 400 ohms; power handling 200 mW; 13.3 oz without cable \$229

### K500 Headphones

10-ft cord and mini plug. MC transducer in each earcup; soft-leather earpads. Includes adaptor. FR 15-27,000 Hz; sens 94 dB; imp 120 ohms; power handling 200 mW. 8.1 oz ..... \$229

### K270S Headphones

10-ft cord and phone plug. MC transducer in each earcup; auto on/off switch; vinyl-covered earpads. FR 20-20,000 Hz; sens 92 dB; imp 75 ohms; power handling 200 mW. 9.5 oz ..... \$209



**K270.** As K270S, without auto on/off switch ... \$199

**K280.** As above, sens 94 dB. 8.8 oz ..... \$199

### K400 Headphones

10-ft cord and mini plug. MC transducer in each earcup; fabric-covered earpads. FR 20-26,000 Hz; sens 96 dB; imp 120 ohms; max power 200 mW. 9.5 oz ..... \$189

### K240 DF Headphones

10-ft cord and phone plug. Design based on European requirements for reference monitor headphones. FR 15-20,000 Hz  $\pm$  2 dB; imp 600 ohms; sens 88 dB SPL/W/m. 8.4 oz ..... \$169

### K240M Headphones

10-ft cord and phone plug. MC transducer and 6 passive radiators in each circumaural cup. FR 15-20,000 Hz; imp 600 ohms; sens 88 dB SPL/W/m. 8.4 oz ..... \$139

**K-141/2 Headphones.** 10-ft cord and phone plug. Imp 600 ohms. 8 oz ..... \$119

### K44 Headphones

6 $\frac{1}{2}$ -ft cord and phone plug. MC transducer in each earcup; foam/plastic earpads; adaptor. FR 20-24,000 Hz; max power 100 mW; sens 100 dB SPL/W/m; imp 50 ohms. 2.8 oz ..... \$59

### K33 Headphones

6 $\frac{1}{2}$ -ft cord and mini plug. MC transducer in each earcup; foam/plastic earpads; adaptor. FR 20-20,000 Hz; max power 100 mW; sens 100 dB SPL/W/m; imp 50 ohms. 2.8 oz ..... \$49

## AUDIO-TECHNICA

### ATH-M3X Headphones

Mini plug with  $\frac{1}{4}$ -in adaptor. Midsize closed-back design with leatherette earpads. FR 20-21,000 Hz; Imp 4-16 ohms; sens 100 dB SPL/W/m; 5 oz ... \$40

### ATH-M2X Headphones

Mini plug with  $\frac{1}{4}$ -in adaptor. Midsize open-back design with leatherette earpads. FR 20-20,000 Hz; imp 4-16 ohms; sens 100 dB SPL/W/m; 4 oz ..... \$30

## AZDEN

### DM-100 Headphones

Gold-plated mini plug. 2-in drivers; neodymium magnets; copper-clad aluminum voice coils. Includes gold-plated adaptor plug. Max input 1 W; FR 3-28,000 Hz; sens 106 dB ..... \$130

### DM-90 Headphones

Gold-plated mini plug. 1 $\frac{5}{8}$ -in drivers; samarium-cobalt magnets; copper-clad aluminum voice coils. Includes gold-plated adaptor plug. Max input 800 mW; FR 4-26,000 Hz; sens 105 dB ..... \$100

**DM-70.** As above, max input 500 mW; FR 6-24,000 Hz; sens 105 dB ..... \$80

**DM-40.** As above, max input 200 mW; FR 15-22,000 Hz; sens 102 dB ..... \$70

**DSR-88 Earphones.** Gold-plated mini plug. In-ear design with samarium-cobalt magnets. Includes adaptor. Max input 100 mW; FR 18-20,000 Hz; sens 102 dB ..... \$50

## BANG & OLUFSEN

### Form 1 Headphones

9-ft cord with mini and phone plugs. Features semi-open design; lightweight self-adjusting earpads with tension-relief pads. Power handling 100 mW rms; sens 94 dB; imp 35 ohms. 5.5 oz ..... \$130

### Form 2 Headphones

9-ft 10-in cord with mini and phone plugs. Semi-open design; self-adjusting earpads. Power handling 100 mW rms; sens 94 dB; imp 30 ohms. 2.4 oz ..... \$75

## BEYERDYNAMIC

*Unless otherwise noted, all models have a standard phone plug.*

### IRS 690 Wireless Headphones

DT 690 headphones, IS 690 infrared transmitter, LG 690 power supply. Built-in rechargeable 9 V battery; mono/stereo switch; volume control ..... \$399

**DT 48 Headphones.** 10-ft coiled cord. FR 16-20,000 Hz  $\pm$  2 dB; imp 200 ohms; sens 105 dB SPL/W/m; max power 96.8 mW. 14 oz without cord ..... \$380

### DT 911 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural open design; neodymium rare-earth magnets. FR 5-35,000 Hz; imp 250 ohms; sens 115 dB SPL/W/m; 0.2% THD ..... \$350

**DT 48A Headphones.** Audiometric-calibrated, reference design for acoustical measurements. FR 16-20,000 Hz; max power 200 mW; imp 5 ohms ... \$349

### DT 901 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural closed design; neodymium magnets; bass-reflex system. FR 5-30,000 Hz; imp 250 ohms; sens 115 dB SPL/W/m; THD 0.2% ..... \$300

### DT 990 PRO Headphones

Circumaural design with large, low-mass diaphragm. FR equalized to diffuse sound field. FR 5-35,000 Hz  $\pm$  3 dB; imp 600 ohms; max power 100 mW; sens 96 dB at 1 mV/ch at 1,000 Hz. 8 oz ..... \$275

### DT 109 Headphones with Microphone

Detachable straight and coiled 10-ft cords. Dynamic boom mic attached. Available in numerous mic and headphone impedances. FR 30-20,000 Hz  $\pm$  3 dB; imp 400 ohms; sens 94 dB SPL/W/m; max power 1 W; 14 $\frac{1}{2}$  oz with cord ..... \$270

**DT 880 Headphones.** 10-ft cord. Semi-open circumaural design. FR 5-35,000 Hz  $\pm$  3 dB; imp 600 ohms; sens 94 dB SPL/W/m; max power 100 mW ..... \$250

### DT 770 PRO Headphones

Circumaural design with large, low-mass diaphragms; bass-reflex system. FR equalized to diffuse sound-field. FR 15-30,000 Hz  $\pm$  3 dB; imp 600 ohms; max power 100 mW; sens 96 dB at 1 mV/ch at 1,000 Hz. Includes  $\frac{1}{2}$ -in connector. 9 oz ..... \$250

### DT 811 Headphones

10-ft coiled-cord with gold-plated plug. Features circumaural open design; neodymium magnets. FR 5-35,000 Hz; Imp 250 ohms; sens 114 dB SPL/W/m; 0.2% THD ..... \$250

### DT 108 Headphones with Microphone

Detachable 10-ft coiled and straight cords. Single-muff design with dynamic boom mic. Numerous mic



# HEADPHONES

and headphone imps. Designed for extended wear-  
ing. FR 30-20,000 Hz  $\pm$  3 dB; imp 400 ohms stan-  
dard; sens 94 dB SPL/W/m; max power 1 W. . . \$220

## DT 100 Headphones

Detachable straight and coiled 10-ft cords. Numer-  
ous imps. FR 30-20,000 Hz  $\pm$  3 dB; sens 94 dB SPL/  
W/m; max power 1 W. 12.5 oz with cord . . . \$200

## DT 801 Headphones

10-ft coiled cord with gold-plated plug. Features cir-  
cumaural closed design; neodymium rare-earth mag-  
nets. FR 5-30,000 Hz; imp 250 ohms; sens 114 dB  
SPL/W/m; 0.2% THD . . . \$200

## DT 511 Open-Air Headphones.

10-ft coiled cord. Features circumaural open design; neodymium mag-  
nets. FR 10-22,000 Hz; imp 250 ohms; sens 114 dB  
SPL/W/m; THD 0.2% . . . \$160

## DT 102 Disco Headphones

Designed for broadcast, recording, and disco cueing.  
Detachable straight and coiled 10-ft cords. Numer-  
ous imps. FR 30-20,000 Hz  $\pm$  3 dB; sens 94 dB SPL/  
W/m; max power 1 W. . . \$150

## DT 411 Headphones

10-ft straight cord with mini plug. Includes phone-plug  
adaptor. FR 15-20,000 Hz; imp 250 ohms; sens  
102 dB SPL/W/m; THD 0.2% . . . \$120

## DT 330 Mk II Headphones.

22-ft cord. Semi-open circumaural design. LR volume control; FR 15-18,000  
Hz  $\pm$  3 dB; imp 40 ohms; sens 85 dB SPL/W/m; max  
power 100 mW . . . \$110

## DT 311 Headphones.

10-ft straight cord with mini plug. Includes phone plug adaptor. FR 20-20,000 Hz;  
imp 40 ohms; 0.3% THD . . . \$80

## DT 211 Headphones.

10-ft cord with mini plug. Includes phone-plug adaptor. FR 30-18,000 Hz; imp  
40 ohms; 0.3% THD . . . \$50

DT 211TV. As above, 20-ft straight cord. Indepen-  
dent LR volume controls; mono/stereo switch . . . \$60

## CALRAD

Model 15-115 Headphones. 6-ft cord with phone  
plug. Lightweight design. Imp 32 ohms. 6 oz . . . \$99

Model 15-148 Headphones. 6-ft cord with gold-  
plated phone plug. Samarium-cobalt magnets. FR 18-  
22,000 Hz; sens 105 dB SPL/W/m; imp 600 ohms;  
max input power 300 mW. 6.5 oz . . . \$64

Model 15-120 Headphones. 7-ft cord with phone  
plug. FR 20-22,000 Hz; sens 105 dB SPL/W/m; imp 40  
ohms; max power 100 mW. 6 oz . . . \$35

Model 15-116 Headphones. 7-ft cord with phone  
plug. FR 25-20,000 Hz; sens 95 dB SPL/W/m; imp 32  
ohms; max power input 100 mW. 6 oz . . . \$26

## COBY

CV-600 Headphones. Gold-plated mini and phone  
adaptor plugs. 2 $\frac{1}{4}$ -in speakers with neodymium  
magnets. FR 15-20,000 Hz; sens 103 dB SPL/W/m;  
imp 32 ohms. 5.5 oz . . . \$70

CV-400 Headphones. Gold-plated mini and phone  
adaptor plugs. 1 $\frac{1}{2}$ -in speakers with samarium-cobalt  
magnets. FR 15-22,000 Hz; sens 103 dB SPL/W/m;  
imp 32 ohms. 5.6 oz . . . \$50

CV-300 Headphones. Gold-plated mini and phone  
adaptor plugs. 1 $\frac{1}{2}$ -in speakers with magnets. FR 18-  
23,000 Hz; sens 103 dB SPL/W/m; imp 32 ohms. 5.3  
oz . . . \$40

CVH-80 Headphones. Gold-plated mini and phone  
adaptor plugs. 1 $\frac{1}{2}$ -in speakers with rare earth mag-  
nets. FR 18-23,000 Hz; sens 102 dB SPL/W/m; imp 24  
ohms. 2.3 oz . . . \$19.95

CV-E08 Earphones. Samarium-cobalt magnets. FR  
18-22,000 Hz; sens 102 dB SPL/W/m; imp 32 ohms.  
0.8 oz . . . \$14.95

## DATAWAVE

### WH-200 Wireless Headphones

150-ft range. Dual-channel battery operation. Vol-  
ume controls; selectable transmitting channels. In-  
cludes T-200 transmitter, dc power supply, stereo  
patch cord, stereo RCA-to-RCA patch cord, and  
mini-to-phone plug adaptor. FR 80-10,000 Hz; sens 5  
dB; S/N 50 dB. 5 oz . . . \$100

## DENON

### AH-D950 Headphones

10-ft flat cord with gold-plated mini plug. Features 50-  
mm vaporized-diamond drivers; neodymium mag-  
nets; OFC copper-wire voice coils. Simulated-leather  
earpads. Includes phone-plug adaptor. FR 2-31,000  
Hz; sens 106 dB/mW; max input 1.5 W; imp 30 ohms.  
9 oz . . . \$150

AH-D750. As above, 50-mm vaporized-titanium driv-  
ers, 10-ft crystal OFC cord. FR 2-30,000 Hz . . . \$125

### AH-D650 Headphones

10-ft flat cord with gold-plated mini plug. Features 50-  
mm high-polymer film drivers; neodymium magnets;  
OFC copper-wire voice coils. Simulated-leather ear-  
pads. Includes phone-plug adaptor. FR 3-29,000 Hz;  
sens 106 dB/mW; max input 1.2 W; imp 35 ohms. 7  
oz . . . \$100

AH-D550. As above, copper-clad aluminum-wire  
voice coils. FR 3-28,000 Hz . . . \$75

AH-D350. As AH-D550. FR 3-26,000 Hz; sens 104  
dB/mW; max input 0.8 W; imp 32 ohms. 7.5 oz . \$60

### AH-D210 Headphones

10-ft high-purity OFC copper-wire flat cord with gold-  
plated mini plug. Features 40-mm high-polymer film  
drivers; copper-clad aluminum-wire voice coils. Sim-  
ulated-leather earpads. Includes phone-plug adap-  
tor. FR 5-26,000 Hz; sens 104 dB/mW; max input 0.8  
W; imp 32 ohms. 5.6 oz . . . \$50

## DISCWASHER

### Headphones

PRO 80. Lifetime warranty . . . \$50  
HP 70. As above . . . \$45  
HP 60. As above . . . \$40  
HP 50. As above . . . \$30  
HP 40. As above . . . \$24

### Earphones

DR-70. Lifetime warranty . . . \$28  
DR-60. Limited warranty . . . \$17.99  
Micro 50. As above . . . \$9.99  
Micro 40. As above . . . \$7.99  
Micro 30. As above . . . \$4.49

### Open-Air Headphones

PRO 610. Lifetime warranty . . . \$25  
PRO 510. As above . . . \$17.99  
HP 310. Limited warranty . . . \$11.99  
PRO 410. As HP 310 . . . \$9.99  
HP 110. As HP 310 . . . \$3.99

## GRADO

### SR300 Headphones

7-ft round coil with phone plug. Adjustable headband;  
foam-covered ear cups. FR 20-25,000 Hz; sens 94 dB  
1 mV/ohm; imp 40 ohms. 8 oz . . . \$275  
SR200. As above, FR 10-25,000 Hz . . . \$200  
SR100. As above, FR 10-30,000 Hz . . . \$150

## JASCO

### Digital Series

### HE + 476 Headphones

10-ft cord with gold-plated mini plug and phone-plug  
adaptor. Features full-size ear cushions; 1 $\frac{1}{2}$ -in sa-

marium-cobalt magnets. FR 20-20,000 Hz; sens 104  
dB; imp 32 ohms . . . \$28

HE+ Headphones. OFC Litz cord with phone-plug  
adaptor. Soft leatherette earpads . . . \$28

HE+ 486 Headphones. 9-ft cord with gold-plated  
mini plug and phone-plug adaptor. Features single-  
entry OFC Litz wire cord. FR 20-20,000 Hz; sens 103  
dB; imp 32 ohms . . . \$27

HE+ 474 Headphones. 6-ft cord with gold-plated  
connectors and phone-plug adaptor. FR 20-20,000  
Hz; sens 100 dB; imp 32 ohms . . . \$15.49

HE+ 441 Earphones. Short and long cords with  
gold-plated mini plug and phone-plug adaptor. In-  
cludes carrying case. FR 18-22,000 Hz; sens 104 dB;  
imp 32 ohms . . . \$12.49

### Lite-Line Series

HE+ 456 Open-Air Headphones. 4-ft cord with  
gold plated mini plug and phone-plug adaptor. Fea-  
tures detachable earphones. FR 20-20,000 Hz; imp  
32 ohms; sens 100 dB . . . \$9.29

HE+ Open-Air Headphones. 4-ft cord. Features  
two  $\frac{1}{4}$ -in speakers. FR 20-18,000 Hz; imp 32 ohms;  
sens 90 dB. FR 150-20,000; imp 8 ohms; sens 90  
dB . . . \$8.99

HE+ 436 Earphones. 4-ft cord with gold-plated mini  
plug. Includes storage case. FR 20-20,000 Hz; imp 32  
ohms; sens 100 dB . . . \$6.99

HE+ 435 Earphones. 4-ft cord. Includes winding  
case; set of foam earpads. FR 20-18,000 Hz; imp 32  
ohms; sens 96 dB . . . \$3.99

HE+ 472 Open-Air Headphones. 4-ft cord. Fea-  
tures foam ear pads. FR 20-20,000 Hz; imp 32 ohms;  
sens 98 dB . . . \$3.99

HE+ 463 Open-Air Headphones. 4-ft cord. Fea-  
tures foam ear pads. FR 20-18,000 Hz; imp 32 ohms;  
sens 90 dB . . . \$2.59

## JECKLIN

JJ Float Electrostat Headphones. 14 $\frac{3}{4}$ -ft cord with  
3 $\frac{3}{8}$  x 3 $\frac{3}{8}$ -in membranes. Features thin membranes  
suspended between 2 electrodes. FR 20-20,000 Hz;  
imp 4/16 ohms. 21 oz . . . \$650  
PS-2. Power supply for above. adaptable to any amp.  
Accommodates 2 sets of headphones . . . \$330

JJ Float II Headphones. 9-ft cord with 2 dynamic-  
drive units with thin-membrane diaphragms. FR 30-  
20,000 Hz; imp 200 ohms. 13 oz . . . \$200

JJ Float I Headphones. 9-ft cord with 2 dynamic-  
drive units with thin-membrane diaphragms. FR 35-  
20,000 Hz; imp 200 ohms. 13 oz . . . \$159

## JOSEPH GRADO SIGNATURE

### HP-1 Headphones

7-ft cord with phone plug. Features foam-covered ear  
cups, hand-stitched leather headband. Frequency  
response 18-24,000 Hz; sensitivity 96 dB SPL/W/m;  
imp 40 ohms. 14 oz . . . \$595  
HP-2. As HP-1, with non-leather matching head-  
band . . . \$495  
HP-3. As HP-1, with non-leather headband . . . \$395

## JVC

All models. except for HA-D990, have plug adap-  
tors.

HA-W7C Wireless Headphones. 24-karat gold-plat-  
ed plug with 7-m operating range. Features 30-mm  
mc drivers; auto power off; LR separate volume con-  
trol. FR 16-28,000 Hz. 9.9 oz with batteries. . . \$250

# H E A D P H O N E S

## HA-D990 Headphones

3-m cord with 24-karat gold-plated plug. Features 1½-in diaphragms; MC design; samarium-cobalt magnets. FR 5-27,000 Hz; nom imp 65 ohms; sens 106 dB/mW at 1,000 Hz. 10.3 oz with cord . . . \$120  
**HA-D700.** As above, FR 5-28,000 Hz; nom imp 32 ohms. 8.8 oz with cord . . . \$90

## HA-D690 Headphones

3-m OFC cord with 24-karat gold-plated plug. Features MC design; 1.2-in titanium-evaporated diaphragms; 1¼-in drivers; neodymium magnets. FR 10-26,000 Hz. nom imp 32 ohms. 9.3 oz with cord . . . \$70

## HA-D590 Headphones

3-m OFC cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers; neodymium magnets. FR 10-26,000 Hz. nom imp 32 ohms. 9.3 oz with cord . . . \$60

## HA-D490 Headphones

3-m OFC cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers. FR 20-20,000 Hz; nom imp 32 ohms; sens 98 dB/mW at 1,000 Hz. 8.3 oz with cord . . . \$45

## HA-D500 Headphones

3-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers. FR 10-23,000 Hz; nom imp 40 ohms; sens 102 dB/mW at 1,000 Hz. 5.3 oz with cord . . . \$40

## HA-D400 Headphones

2-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers. FR 20-20,000 Hz; nom imp 32 ohms; sens 97 dB/mW at 1,000 Hz. 4.2 oz with cord . . . \$35

## HA-CD77 Open-Air Headphones

2-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers; square-shaped earcups. FR 15-22,000 Hz; nom imp 32 ohms; sens 102 dB/mW at 1,000 Hz. 2.7 oz with cord . . . \$35

## KENWOOD

**KH-959 Headphones.** 4½-ft OFC cord. FR 15-25,000 Hz; sens 110 dB/mW. With soft carrying case . . . \$45

**KH-535B Headphones.** 4-ft cord. FR 18-22,000 Hz; sens 105 dB/mW. Black . . . \$30

**KH-535W.** As above. white . . . \$30

## KOSS

### ESP/950 Electrostatic Headphones

Circumaural open-air design. Features minimal acoustic damping; low-mass electrostatic element. Includes energizer/amplifier, battery pack, adaptor cords, and leather carrying case . . . \$2,000

**JCK 300 Kordless Headphones.** Battery-powered wireless system with infrared transmitter and modulator. FR 20-20,000 Hz; left carrier frequency 95 kHz, right 250 kHz . . . \$275

**JCK/200-S Kordless Headphones.** Circumaural wireless system with transmitter and AC adaptor. FR 20-20,000 Hz ± 3 dB . . . \$160

**Pro/4XL Headphones.** Features titanium-coated diaphragm; copper-clad aluminum voice coils. FR 10-25,000 Hz . . . \$130

**Pro/4XTC Headphones.** Dynamic element with semi-open earcups. FR 10-24,000 Hz; imp 93 ohms; sens 100 dB SPL/W/m . . . \$100

**Pro/4AA Headphones.** Features 1-in voice coils. FR 10-22,000 Hz . . . \$99

**TNT/88 Headphones.** Gold-plated plug and adaptor. Circumaural design with titanium-nitride diaphragms. FR 15-30,000 Hz; sens 94.5 dB; imp 60 ohms . . . \$90

**HV/Pro Headphones.** 8-ft cord with phone-plug adaptor. Features dual-suspension design; volume/balance control . . . \$75

**TNT/77 Open-Air Headphones.** Gold-plated plug and adaptor. Titanium-nitride diaphragms; adjustable temporal pad design. FR 15-20,000 Hz; sens 91.5 dB; imp 60 ohms . . . \$70

**PortaPro Headphones.** 5-ft cord with mini plug and phone plug. Folding design with pivoting earcups. 2.5 oz with cord . . . \$50

**TNT/66 Headphones.** Gold-plated plug and adaptor. Circumaural design with titanium-nitride diaphragms. FR 20-20,000 Hz; sens 93.5 dB; imp 60 ohms . . . \$50

## HV/1A Plus Headphones

10-ft cord. Low-mass Decilite drivers. Sponge ear cushions; headband with self-adjusting pivoting yokes. FR 15-30,000 Hz ± 3 dB; THD 0.5% at 100 dB SPL; sens 0.9 V rms for 100 dB SPL. 10.1 oz . . . \$50

## MAC/7 Headphones

8-ft cord. Lightweight design featuring closed-vinyl ear cushions and oversized, soft-vinyl adjustable headband. FR 20-20,000 Hz; sens 95 dB; imp 60 ohms. 5.5 oz . . . \$50

**CD/4 Headphones.** 8-ft cord. Lightweight design with titanium-nitride-coated diaphragms. Features foam ear cushions; pivoting earcups. FR 20-20,000 Hz; sens 90 dB; imp 60 ohms. 3.3 oz . . . \$45

**Porta/Pro Jr. Headphones** . . . \$40

**TNT/55 Headphones.** phone-plug adaptor. Features titanium-coated diaphragms; self-supporting voice coils. FR 15-25,000 Hz . . . \$40

**TD/70 Headphones.** 10-ft cord. Features closed, leatherette ear cushions; volume control on cord. FR 20-20,000 Hz; sens 94 dB; imp 100 ohms. 9.3 oz \$40

**CD/3 Headphones.** 8-ft cord, electrodynamic element. Features soft-vinyl supra-aural cushion; pivoting earcups. FR 15-20,000 Hz; sens 90 dB; imp 60 ohms. 3.6 oz . . . \$35

**MAC/5 Headphones.** 4-ft cord with mini and phone plugs. Lightweight design. FR 20-20,000 Hz; sens 95 dB; imp 60 ohms. 3.4 oz . . . \$30

**TD/50 Headphones.** 8-ft cord. Features self-adjusting slide bars; washable cushions; mini-mono adaptor. Includes spare cushions. FR 18-20,000 Hz; imp 100 ohms . . . \$25

**TD/60 Headphones.** Lightweight circumaural design. Features pivoting earcups; adjustable headband. FR 18-20,000 Hz . . . \$20

**KX/4 Open-Air Headphones.** FR 20-20,000 Hz; imp 32 ohms; sens 91 dB . . . \$20

**LS/9 Earphones.** Earbud design with collapsible headband. FR 20-20,000 Hz; imp 32 ohms; sens 84 dB . . . \$20

**KX/3 Open-Air Headphones.** FR 25-20,000 Hz; imp 32 ohms; sens 91 dB . . . \$16

**LS/7 Earphones.** Earbud design with removable headband. FR 20-20,000 Hz; imp 32 ohms; sens 98 dB . . . \$15

**KX/2 Open-Air Headphones.** FR 30-20,000 Hz; imp 16 ohms; sens 84 dB . . . \$10

**LS/6 Earphones.** Earbud design with carrying case. Frequency response 20-20,000 Hz; impedance 32 ohms; sensitivity 98 dB . . . \$10

**Light Switch Headphones.** Mini L-plug. Made of ethylene-vinyl acetate; changes from pink to deep

purple when exposed to sun. FR 20-20,000 Hz; THD 1.5%. 1.5 oz . . . \$9.99

## MAXELL

**HP-2000 Headphones.** OFC cord with gold-plated phone-plug adaptor . . . \$25

**HP-1000 Headphones.** Gold-plated phone-plug adaptor. Full-size with soft-ear cushions . . . \$19.99

**HP-600 Earphones.** Gold-plated phone-plug adaptor. Lightweight with replacement foam pads. \$14.99

**HP-500 Open-Air Headphones.** Gold-plated phone-plug adaptor. Lightweight with adjustable headband . . . \$14.99

**HP-400 Earphones.** Contoured to fit in ear for listening. Includes replacement earpads, travel pouch . . . \$9.99

**HP-300 Open-Air Headphones.** Adjustable earpads. Includes replacement ear cushions, phone-plug adaptor . . . \$9.99

**HP-200 Open-Air Headphones.** Lightweight with adjustable headband . . . \$5.99

**HP-100 Earphones.** Lightweight design. Includes storage case, replacement earpads . . . \$4.99

## MEMOREX

**EDM-770 Headphones.** Circumaural design with flat cord and mini plug. Includes phone-plug adaptor. FR 5-30,000 Hz; sens 107 dB SPL/W/m; imp 70 ohms. 7 oz . . . \$120

**PSS-100 Headphones.** 25-ft cord with 2 gold-plated phone plugs. 4 speaker elements . . . \$100

**EDM-550 Open-Air Headphones.** Coiled cord and mini plug. Includes adaptor. FR 5-25,000 Hz; sens 102 dB SPL/W/m; imp 60 ohms . . . \$85

**EDM-330 Headphones.** Coiled cord and mini plug. Includes adaptor. FR 15-22,000 Hz; sens 102 dB SPL/W/m; imp 40 ohms . . . \$60

**EDM-110 Open-Air Headphones.** Flat cord and mini plug. Includes adaptor. FR 5-25,000 Hz; sens 100 dB SPL/W/m; imp 25 ohms . . . \$50

**SLS-9 Headphones.** Circumaural design with flat cord and mini plug. Includes adaptor. Available in white, champagne, or metallic charcoal. FR 20-20,000 Hz; sens 96 dB SPL/W/m; imp 32 ohms . . . \$30

**DL-100 Headphones.** FR 18-22,000 Hz; sens 102 dB SPL/W/m; imp 32 ohms . . . \$20

## Sonic-Lite Series

### SL-88 Earphones

In-ear design with samarium-cobalt magnets. Features contoured shape; gold-plated connectors; mini plug and mini-to-phone-plug adaptor. Frequency response 20-20,000 Hz ± 3 dB; impedance 16 ohms; power handling 30 mW; sensitivity 106 dB at 1 mV/ch at 1,000 Hz. 2 oz . . . \$15

### SL-90 Headphones

Samarium-cobalt magnets. Features gold-plated connectors; mini plug and mini-to-phone-plug adaptor. FR 20-20,000 Hz ± 3 dB; imp 32 ohms; max power 100 mW; sens 100 dB at 1 mV/ch at 1,000 Hz. 0.5 oz . . . \$15

### SL-60 Headphones

45-in cord with mini plug. Features lightweight design; adjustable headband; soft-ear cushions. Includes mini-to-phone-plug adaptor. FR 50-18,000 Hz ± 3; imp 32 ohms; max power 100 mW; sens 92 dB at 1 mV/ch at 1,000 Hz. 1.75 oz . . . \$10

# H E A D P H O N E S

## NADY

### WH-95 Audiophile Wireless Headphones

Compact bodypack designed receiver with transmitter. Transmitter accepts 3 sources and has 150-ft range. Includes AC adaptor, RCA plug patch cords, earphones ..... \$250

### WH-90 Wireless Headphones

Crystal-controlled battery powered 49-MHz radio transmitter/receiver. On/off switch, volume control. Includes compact base unit with folding telescopic antenna. Ch sep 45 dB max; THD 0.2%. ..... \$125  
Additional headphones ..... \$70

## NAKAMICHI

### SP-7 Headphones

10-ft cable with phone plug. Lightweight design utilizing 25-micron-thick polyester film with 40.5-mm diameter and 18.3-mm voice coils. Power handling 100 mW max; FR 20-20,000 Hz; imp 45 ohms ..... \$100

## NIKKO

### NH 500 IR Wireless Headphones

Infrared transmitter, gold-plated mini and phone plugs. Samarium cobalt magnets; gold-plated diaphragms; auto-mute circuit; closed-back design. Volume control; adjustable headband; 33-ft range; vinyl earcup coverings. Includes 2 AA batteries. FR 20-23,000 Hz  $\pm$  3 dB; imp 32 ohms; THD 0.6% at 95 dB SPL. 10 oz ..... \$159

### NH 200 DD Headphones

10-ft ribbon cord with gold-plated mini and phone plugs. 2-in woofer and 1/4-in tweeter; copper clad aluminum wire voice coils; closed-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. FR 3-30,000 Hz; imp 32 ohms; sens 101 dB SPL for 1 mW input; max input 300 mW; THD 0.35% at 95 dB SPL. 9.5 oz ..... \$79

### NH 100 Open-Air Headphones

9-ft ribbon cord with gold-plated mini and phone plugs. 2-in driver; open-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. FR 15-20,000 Hz; imp 32 ohms; sens 103 dB SPL for 1 mW input; max input 100 mW; THD 0.4% at 95 dB SPL. 6.25 oz ..... \$49

### NH 50 Headphones

7-ft cord with gold-plated mini and phone plugs. Samarium cobalt magnets; 1/8-in diaphragms; closed-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. FR 20-20,000 Hz; imp 32 ohms; sens 105 dB SPL for 1 mW input; max input 100 mW; THD 0.2% at 95 dB SPL. 3.5 oz ..... \$29

## ONKYO

**DP-600 Headphones.** Soft earpads; 1 3/4-in drivers; closed housing with open back ..... \$110

**DP-400 Headphones.** 1 7/8-in polymer-film diaphragms; closed housing with open back; neodymium magnets ..... \$70

**DP-200 Open-Air Headphones.** Lightweight design; 1 3/8-in high-polymer film diaphragms; ferrite magnets ..... \$40

## PANASONIC

### EAH-X250 Headphones

10-ft cord with phone plug. Features closed-back, 2-way design with 1 3/4-in dome woofers and 1/4-in dome tweeters. Includes mini adaptor. FR 2-30,000 Hz; sens 106 dB; imp 55 ohms at 1,000 Hz. 10.6 oz ..... \$180

### EAH-X150 Headphones

10-ft cord with phone plug. Features closed-back design with 1 1/2-in dome drivers. Includes mini-plug

adaptor. FR 5-35,000 Hz; sens 107 dB; imp 63 ohms at 1,000 Hz. 4.8 oz ..... \$130

### EAH-X120 Headphones

10-ft cord with mini plug. Features closed-back headphones with 1/2-in dome drivers. Includes phone-plug adaptor. FR 8-33,000 Hz; sens 107 dB; imp 45 ohms at 1,000 Hz. 4.6 oz ..... \$95

### EAH-X80 Headphones.

10-ft cord; mini adaptor. Closed-back headphones with 1/2-in dome drivers. FR 8-30,000 Hz; sens 105 dB; imp 45 ohms at 1,000 Hz. 4.4 oz ..... \$55

### EAH-S24 Open-Air Headphones.

4-ft cord with mini plug. Features adjustable headband. Includes phone-plug adaptor. Sens 100 dB; imp 32 ohms at 1,000 Hz. 1.5 oz ..... \$20

### EAH-Z9 Earphones.

3 1/2-ft cord with mini plug. Features folding headband and removable speakers. FR 30-20,000 Hz; sens 102 dB; imp 16 ohms at 1,000 Hz. 0.7 oz ..... \$18

## PFANTONE

### MHP-77CD Headphones

4 1/2-ft cord with gold-plated mini plug. Features samarium cobalt magnets; Mylar cone drivers. Includes gold-plated phone-plug adaptor. Designed for CD and DAT system use ..... \$45

### MHP-44 Headphones.

46-in cord. Features 1-in Mylar cone drivers; ferrite magnets. Includes phone-plug adaptor; replacement ear cushions. FR 20-15,000 Hz; imp 32 ohms. 1.4 oz ..... \$10.95

### MHP-88 Headphones.

5-ft cord. Features 1-in Mylar cone drivers; samarium cobalt magnets; folding design. FR 20-20,000 Hz; imp 32 ohms. 1.3 oz ..... \$9.95

### MHP-55 Earphones.

46-in cord. Features 1/2-in Mylar cone drivers; ferrite magnets. Includes storage case. FR 20-15,000 Hz; imp 32 ohms. 0.2 oz ..... \$8.95

### MHP-33 Headphones.

46-in cord. Features 1-in Mylar cone drivers; ferrite magnets. FR 20-15,000 Hz; imp 32 ohms. 1.4 oz ..... \$7.95

## PICKERING

### CD-5 Headphones

7 1/2-ft cord with gold-plated phone plug and mini-plug adaptor. Features high-velocity elements with polyester-film diaphragms and samarium-cobalt magnets. FR 20-20,000 Hz; sens 110 dB SPL/W/m ..... \$79

### CD-4 Headphones

7 1/2-ft cord with gold-plated plug. FR 20-20,000 Hz; sens 110 dB SPL/W/m ..... \$66

### CD-2 Headphones.

7 1/2-ft Y-type 4-conductor cord with phone plug. Features samarium-cobalt drivers. FR 20-20,000 Hz ..... \$50

### CD-1 Headphones.

7-ft Y-type cord with gold-plated mini plug and phone-plug adaptor. Elliptical-shaped headphones. FR 20-20,000 Hz; sens 105 dB ..... \$35

### OA-99P Earphones.

5-ft cord with mini plug and phone-plug adaptor. FR 20-20,000 Hz; sens 105 dB SPL/W/m ..... \$30

### Featherphone 102 Earphones.

FR 20-20,000 Hz; sens 92 dB ..... \$25

### OA-88 Earphones

4-ft cord with mini plug. Samarium-cobalt drivers; detachable headband; replaceable foam cushions. Sens 98 dB SPL/mW at 1,000 Hz; distortion 0.5% at 100 dB; imp 32 ohms at 1,000 Hz ..... \$25

### OA-66P Earphones

Mini plug and phone-plug adaptor. Features strontium-ferrite magnets; replaceable foam-ear cush-

ions. FR 20-20,000 Hz; sens 92 dB SPL/mW at 1,000 Hz; distortion 0.5%; imp 32 ohms ..... \$15

## PIONEER

*All weights do not include the connection cord.*

### SE-M70 Headphones

16-ft, 5-in OFC cord with gold-plated mini plug. Features 1 1/2-in ceramic-titanium diaphragms; supra-aural earpad design. Includes phone-plug adaptor. FR 3-50,000 Hz; power handling 1 W/ch; imp 32 ohms. 9 oz ..... \$105

### SE-M50 Headphones

16-ft, 5-in cord with gold-plated mini plug. Features 1 1/2-in ceramic-titanium diaphragms; circumaural earpad design. Includes phone-plug adaptor. FR 3-50,000 Hz; power handling 1 W/ch; imp 32 ohms. 8.1 oz ..... \$75

### SE-500D Headphones.

9-ft, 10-in OFC Litz cord. Imp 35 ohms; power handling 1 W/ch; FR 5-28,000 Hz. 6.3 oz ..... \$75

### SE-400D Headphones.

9-ft, 10-in OFC Litz cord. Imp 35 ohms; power handling 0.5 W/ch; FR 5-26,000 Hz. 6.2 oz ..... \$65

### SE-205 Headphones.

8-ft, 2-in cord cord. Features adjustable headband. FR 20-20,000 Hz; power handling 0.5 W/ch; imp 10 ohms. 1 lb ..... \$48

### SE-52 Open-Air Headphones.

8-ft, 2-in OFC Litz cord. Features 1 1/4-in polyethylene diaphragms. Imp 40 ohms; power handling 0.15 W/ch; FR 10-25,000 Hz. 3.7 oz ..... \$47

## REALISTIC by RADIO SHACK

### Pro 80 Headphones

8-ft OFC cord with gold-plated phone plug. Features 1 3/8-in samarium-cobalt drivers; 16-micron titanium diaphragms. In-line volume control; adjustable locking headband. FR 15-25,000 Hz ..... \$70

### Pro 60 Headphones.

10-ft coiled cord with phone plug. Features variable-density ear cushions. THD 0.5%. 8 oz ..... \$50

### Pro 25 Headphones.

OFC cable. In-line volume control; cushioned cups. FR 15-25,000 Hz ..... \$40

### LV/20 Headphones

8-ft cord. Features 2-in drivers; anisotropic ferrite magnets. In-line volume control. FR 20-20,000 Hz; THD 0.5% at 95 dB SPL, 1,000 Hz ..... \$40

### Nova 66 Headphones.

10-ft coiled cord with phone plug. Features in-line volume/balance control; foam earcups; adjustable headband ..... \$35

### Nova 55 Headphones.

Mini plug. Features samarium-cobalt magnets. FR 20-20,000 Hz  $\pm$  3 dB; imp 3.2-600 ohms. 3 oz ..... \$30

## RECOTON

### HTS Series

#### HTS-90 Headphones

8-ft cord with gold-plated phone plug. 1 3/8-in samarium-cobalt magnets; titanium diaphragms; aluminum voice coils; OFC wiring. FR 5-30,000 Hz; sens 98 dB; imp 40 ohms ..... \$150

#### HTS-80 Headphones

8-ft cord with gold-plated phone plug. 1 3/8-in samarium-cobalt magnets; titanium/Mylar diaphragms; aluminum voice coils; OFC wiring. FR 10-30,000 Hz; sens 102 dB; imp 40 ohms ..... \$100

#### HTS-60 Headphones

8-ft cord with gold-plated phone plug. 1 3/8-in samarium-cobalt magnets; titanium diaphragms; aluminum

# H E A D P H O N E S

voice coils; OFC wiring. FR 10-30,000 Hz; sens 102 dB; imp 40 ohms ..... \$80

**HTS-50 Earphones.** 3.3-ft cord with gold-plated mini plug. OFC wiring. Includes extra ear cushions and storage case. FR 18-22,000 Hz; sens 104 dB; imp 16 ohms ..... \$40

### Pro Series

**Pro-75 Headphones.** 9-ft cord with gold-plated phone plug. 1 $\frac{1}{2}$ -in samarium-cobalt magnets; Mylar diaphragms; OFC wiring. FR 18-22,000 Hz; sens 104 dB; imp 32 ohms ..... \$40

**Pro-65 Headphones.** 9-ft cord with gold-plated phone plug. 1 $\frac{1}{4}$ -in ferrite magnets; Mylar diaphragms; OFC wiring. FR 20-22,000 Hz; sens 102 dB; imp 32 ohms ..... \$35

**Pro-45 Open-Air Headphones.** 8-ft cord with gold-plated phone plug. 1 $\frac{1}{4}$ -in samarium-cobalt magnets; Mylar diaphragms; OFC wiring. FR 18-22,000 Hz; sens 98 dB; imp 32 ohms ..... \$25

## SENNHEISER

**HE/HEV 90 Powered Electrostatic Headphones**  
Circumaural design. Features glass diaphragms with gold-vapor-deposit coating; wood/epoxy-laminate earcups; 400-W tube amp with built-in D/A converters ..... \$12,900

**HDC 450 Noise-Cancellation Headphones**  
Uses active feed-forward servo mechanism to attenuate frequencies from 100-800 Hz by 10 dB. Belt-clip battery power supply accepts mini plug ..... \$990

**HD 540 Gold Open-Air Headphones**  
10-ft stranded-steel cable with 24-karat gold-plated phone plug. Limited-edition black-matte design. FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD 0.4%; 8.7 oz ..... \$359

**PLS 100 Audiolink Wireless Headphones.** Mono ..... \$280  
**PLS 200.** Stereo version of above ..... \$395

**HD 560 II Open-Air Headphones**  
Stranded-steel cable. Features neodymium-ferrous magnets; aluminum driver coils; dome damped silk diaphragms. Imp 300 ohms; sens 84 dB SPL/W/m; THD 0.2%. 8.8 oz ..... \$279

**HD 250 II Headphones.** Closed-cushion design with resonance-free transmission. FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD 0.2%; imp 300 ohms. 8.7 oz ..... \$239

**HD 25 Open-Air Headphones.** 10-ft cord. FR 16-30,000 Hz; sens 105 dB SPL/W/m; THD 0.5%; imp 70 ohms. 5 oz ..... \$229

**HD 540 II Open-Air Headphones.** Features integral acoustical silk damping diaphragms; FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD 0.4%; imp 300 ohms. 8.7 oz ..... \$199

**HD 530 II Open-Air Headphones.** 10-ft cord. FR 20-25,000 Hz; sens 94 dB SPL/W/m; THD 0.3%; imp 300 ohms. 8.3 oz ..... \$189

**HD 520 II Open-Air Headphones.** Neodymium-ferrous magnets. FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD 0.3%; imp 300 ohms. 7.5 oz ..... \$169

**HD 490 Headphones.** 10-ft cord. FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD 0.1%; imp 70 ohms. 4.8 oz ..... \$129

**HD 480 Open-Air Headphones.** 10-ft steel-stranded cable with phone-plug adaptor. Features neodymium iron magnets; cushioned headband. frequency response 18-22,000 Hz; sensitivity 94 dB SPL/W/m; total harmonic distortion 1%; impedance 70 ohms. All components replaceable. 4.6 oz ..... \$119

**HD 450 Studio Headphones.** 10-ft cord. FR 20-20,000 Hz; sens 94 dB SPL/W/m; THD 1%; imp 600 ohms. 4.8 oz ..... \$109

**HD 450 II Headphones.** 10-ft stranded-steel cable with phone adaptor. Features neodymium iron magnets. FR 20-20,000 Hz; sens 94 dB SPL/W/m; THD 1%; imp 60 ohms. Components replaceable. 4.6 oz ..... \$99

**HD 55 Open-Air Headphones.** 3-ft cord with mini plug. Compact design with neodymium-ferrous magnets. FR 18-20,000 Hz; sens 105 dB SPL/W/m; THD 0.1%; imp 32 ohms ..... \$69

## SENTRY

**Model 880 Headphones.** Litz cord. Features 1 $\frac{1}{2}$ -in samarium cobalt speakers; leather earpads. FR 20-20,000 Hz; imp 32 ohms; sens 105 dB; FR 50-10,000 Hz ..... \$50

**HO268 Headphones.** 4-ft shielded cord with mini plug. Features 1-in cone drivers. Includes phone-plug adaptor. FR 20-20,000 Hz; imp 32 ohms; sens 92 dB ..... \$10.95

**HO168 Headphones.** 4-ft shielded cord with mini plug. Features adjustable headband. Includes phone-plug adaptor. FR 20-20,000 Hz ..... \$8.95

**H3003 Headphones.** 4-ft cord. Includes mono plug; phone-plug adaptor; replacement earpads; adjustable headband. FR 20-20,000 Hz; imp 32 ohms; sens 98 dB ..... \$6.95

## SONY

*Models with the UniMatch plug feature a mini plug with a screw-on phone-plug adaptor.*

**MDR-IF710K Wireless Headphones**  
UniMatch plug. Features circumaural design; 23-ft range; neodymium magnets; copper-clad aluminum-wire voice coils; Dolby C NR. Line- or headphone-level input. LR volume controls. Additional transmitters, emitters, and headsets may be added. Operates on 2 AA batteries. FR 18-22,000 Hz ..... \$280

**MDR-IF510K Wireless Headphones**  
UniMatch plug. Features 23-ft range. Line- or headphone-level input. LR volume controls. Additional transmitters, emitters, and headsets may be added. Operates on 2 AA batteries. FR 18-22,000 Hz ..... \$200

**MDR-IF310K Wireless Open-Air Headphones**  
Gold-plated UniMatch plug. Features 23-ft range; 30-mm drivers. Operates for 120 hrs on 2 AA batteries. FR 18-22,000 Hz. 6 oz (headphones) ..... \$150

**Digital Reference Series**  
*The following feature a gold-plated self-cleaning UniMatch plug.*

**MDR-CD3000 Headphones**  
6N OFC Litz cord. Features 2-in drivers; biocellulose diaphragms; neodymium magnets; floating-support earcup system; organic-fiber-composite earcups; collagen-composite earpads. Self-adjusting headband. Includes carrying case ..... \$600

**MDR-CD1000 Headphones**  
Class 1 LC-OFC cord Litz cord. Features 2-in drivers; biocellulose diaphragms; neodymium magnets; ceramic-composite earcups; collagen-composite earpads. Self-adjusting headband ..... \$300

**MDR-CD950 Headphones**  
Single-sided LC-OFC Litz cord. Features 2-in drivers; diamond-evaporated diaphragms; neodymium magnets; ceramic-composite earcups. Self-adjusting headband ..... \$250

**MDR-CD850 Headphones**  
Single-sided LC-OFC Litz cord. Features 2-in drivers; neodymium magnets; copper-clad aluminum-wire

voice coils; ceramic-composite earcups. Self-adjusting headband ..... \$200

## STANTON

**SRS-275 Headphones.** 10-ft 4-lead coil conductor with phone plug. Semi-open design. Max power input 0.5 W; FR 5-22,000 Hz; sens 101 dB at 1 mW; imp 100 ohms. 8.6 oz ..... \$192

**SRS-265 Headphones.** Phone plug. FR 5-22,000 Hz; sens 96 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion 0.5% at 1,000 Hz. 8.6 oz ..... \$162

**Model 45M/MC Headphones with Microphone**  
12-ft straight cord with two phone plugs. Designed for DJ and studio use; single-sided closed-ear design; unidirectional microphone mounted from headphone. FR 20-18,000 Hz; sens 96 dB ..... \$150

**ST-10 Headphones.** 7-ft Y-type flat-ribbon cord with gold-plated mini plug; gold-plated phone-plug adaptor. FR 10-20,000 Hz; sens 98 dB min at 1 mW; imp 50 ohms ..... \$132

**SRS-225 Headphones**  
10-ft cord with phone plug. Semi-enclosed with moving-coil driver. Features adjustable ratchet-type headband with spring suspension. FR 10-22,000 Hz; sens 94 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion 0.5% at 1,000 Hz. 8.6 oz ..... \$96

**ST-Surround Headphones.** Stereo/surround switch. FR 20-20,000 Hz; sens 103 dB at 1 mW; surround imp 50 ohms; stereo imp 32 ohms ..... \$84

**Model 35M/HB Open-Air Headphones**  
Phone plug. Samarium-cobalt magnet. Single-cup design for disco use. Max input 0.25 W; FR 20-20,000 Hz  $\pm$  3 dB; sens 110 dB at 1 mW at 1,000 Hz; imp 100 ohms. 3.8 oz ..... \$79

**Model 30M/SR Disco Headphones**  
Samarium-cobalt magnets. Features shoulder-rest single-cup headphone for DJ use; soft foam-filled, leather-like ear cushions. Max input 0.25 W; FR 20-20,000 Hz; imp 100 ohms. 3.8 oz ..... \$69

## STAX

**SR-Lambda Signature T1**  
8 $\frac{1}{4}$ -ft cord. Electrostatic headphone design using high-polymer film diaphragms forming an oblong shape. Includes replaceable brown earpads. Frequency response 8-80,000 Hz; impedance 143 kilohms. 12 oz ..... \$1,999

**SR-Lambda Pro #3.** As above, artificial leather earpads. FR 8-50,000 Hz ..... \$1,199

**SR-Lambda Pro #1.** As above, FR 8-35,000 Hz; imp 122 kilohms ..... \$799

**SR-Gamma Normal Electrostatic Headphones**  
8 $\frac{1}{4}$ -ft cord. High-polymer film diaphragms; cage-grid frame design. Replaceable artificial leather earpads. Frequency response 15-30,000 Hz; Impedance 120 kilohms. Weight: 6.6 oz ..... \$399

**SR-84 Pro Headphones.** 8 $\frac{1}{4}$ -ft cord. Polarized electret diaphragm design. FR 25-25,000 Hz; imp 150 kilohms. 5.4 oz ..... \$299

**SR-34 Pro.** As above, 5.9 oz ..... \$199

## UHER OF AMERICA

**W 766A Headphones.** 8-ft coiled cord. Adjustable headband. FR 20-20,000 Hz; imp 200 ohms at 1,000 Hz. 2.2 oz ..... \$106

## YAMAHA

**YHD-2 Headphones.** Foldable headphones. Features mini plug and phone plug. Power handling 1 W max; FR 20-20,000 Hz  $\pm$  3 dB; sens 100 dB SPL/W/m at 1 W; imp 125 ohms ..... \$60

**YHD-3.** As above, sens 97 dB SPL/W/m ..... \$40

# MULTIROOM COMPONENTS

*MULTIROOM SYSTEMS direct music and/or video programs from one or more sources—CD player, cassette deck, TV and/or VCR, for example—to secondary listening spaces, or "zones." The flexibility (and complexity) of the system determines the degree of control the user has over the source or sources; simple systems provide remote volume control, while more sophisticated controller components also allow the user to switch TV channels, select CD tracks, etc. from afar. Many multiroom systems/components require professional installation; consult the manufacturer for details (see "Directory of Manufacturers," which begins on page 209).*

## AMC

### S84 A/V Controller

4 zones. 8 audio inputs, 4 composite-video inputs, 4 infrared-code inputs. Features volume, source selection, audio mute, and power-off for each zone. SN 95 dBA; THD 0.01% ..... \$700

**RSS14+T Remote Speaker Selector.** Switches 4 pairs of speakers. Features infrared sensor; 4-ohm imp switch for each channel ..... \$350

**IRR03 Infrared Sensor.** Features LED command-receipt confirmation ..... \$60

## AUDIOACCESS

### MRX Audio Controller

6 zones. 4 inputs; 6 line-level outputs; tape output for main zone. Features tuner with 6 AM/FM presets; 6 discrete 40 W x 2 power amps; bass and treble controls; programmable infrared interface for controlling various brand source components. Keypads connect to MRX via 4-wire bus using standard telephone wire. 17 x 5 $\frac{5}{8}$  x 15 in; 35 lb ..... \$4,300

**KPS.** Wall-mount keypad. Features source-selection and volume controls; built-in Infrared sensor; Fits 1-gang box ..... \$250

### PX-6 Audio Controller

1 zone; 5 audio inputs, 4 outputs; infrared input/output. One PX-6 required per zone. Features expandable design; local-source compatibility; volume control; rack-mountable chassis ..... \$1,000

**KP1.** Wall-mount keypad for above. Features source-selection and volume controls. Fits 1-gang box ..... \$200

## AUDIO COMMAND SYSTEMS

### CT-8300 Audio Controller

1 zone; 4 inputs/outputs. Central switching unit and signal processor for 8300 Series control panels; one CT-8300 required per zone. Options: master-control faceplate; speaker- or line-level volume control for remote speakers; wireless remote control; spare buttons for custom requirements; rack-mount chassis. Black anodized-aluminum finish. 17 $\frac{1}{8}$  x 3 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in. Base package ..... \$1,695  
For each additional zone (including basic control panel), add ..... \$1,000

### 8300 Series In-Wall Control Panels

*Standard faceplate finishes include brushed solid brass, black or clear anodized aluminum, and white lacquer; other finishes are available for an extra charge. 1-gang panels measure 2 $\frac{3}{4}$  x 4 $\frac{1}{2}$  x 3 inches, 2-gang panels 4 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 3 inches, and 3-gang panels 6 $\frac{3}{8}$  x 4 $\frac{1}{2}$  x 3 inches. Custom control panels can be designed to specification.*

### Model 8300-EV Full-Function Panel

Features master-power and remote-speaker on/off; source and tuner-presets selectors; CD changer and cassette deck controls; 2 electronic volume controls. 2 gang ..... \$795

**Model 8300-DV.** As above, with 2 standard volume controls. 3 gang ..... \$595

**Model 8300-6SP.** As 8300-EV, with 6 spare buttons for custom controls. 3 gang. Price depends on configuration ..... \$495-\$995



**Model 8300-3SP.** As above, set of 3 additional buttons ..... \$495-\$795

**Model 8300.** As 8300-EV, 1 standard volume control. 2 gang ..... \$495

**Model 8300A-DV.** Speaker on/off with status indicator; 2 standard volume controls. 2 gang ..... \$295

**Model 8300A.** As above, 1 volume control. 1 gang ..... \$195

## AUDIO DESIGN ASSOCIATES

### System 8000 A/V Controller

8 zones. Features 6-zone integrated amplifier; expandable design; simultaneous playback of 8 sources; central and remote control of source selection. Includes 6 control panels, each with on/off switch, LED status indicators, and source-function, volume, bass, and treble controls ..... \$21,158

**System Omega.** 6-zone version of above. .... \$14,514

### System 100 Audio Controller

8 zones. Features amplifier; preamplifier; master/local-room on/off switching; 8-source selector; tone controls. Includes 6 control panels, each with 3-source selector (2 fixed, 1 variable), on/off switch, LED status indicators, source-function and volume controls ..... \$5,990

### System 699 Audio Controller

4 zones. Features expandable design; master on/off switch. Includes 4 control panels, each with on/off switch, LED status indicators, source-function and volume controls ..... \$975

## Accessories

### CIC-3000 Computer Interface Controller

RS-232 interface with software for System 8000 and System Omega. Capable of controlling 16 zones per unit via PC or ADA bus system ..... \$1,658

**MD-4 Wireless Call System.** 4 channels. Enables central reception of 4 distinct codes from anywhere in the home ..... \$995

**AS-1000 Auto Scanlizer.** 10-band/ch audio display for peak hold, input level, and max level ..... \$650

**Opto-Link Infrared Repeater.** For System 8000 and System Omega ..... \$575

### ISO-2 Line-Level Isolation Amplifier

Differential, unity-gain design with ground isolation between RCA inputs and outputs. Designed to drive long line-level wire runs and eliminate hum caused by ground loops. 2 x 3 x 4 in ..... \$299

### CCS-4 Triggering Device

Triggers AC outlet with adjustable current sensing and low-voltage AC/DC triggering devices ..... \$299

**ISO-V Composite-Video Isolation Amplifier.** To minimize noise in long video-line runs ..... \$299

### CCS-2 Speaker/AC Outlet Switcher

Adjustable AC-current-sensing device that enables 1 pair of speakers to be switched between 2 amplifiers ..... \$299

### LLSM-6 Line-Level Audio Switcher

6 line-level inputs and outputs. Features normally open/closed operation; adjustable delay to avoid speaker thump. 12-V DC triggers relay ..... \$269

### ACC-3 AC Controller

2 inputs. Enables 2 systems to share common component; component turns on when either system powers up. Features 2 grounded switched outlets; switched AC for local sources via low-voltage control run. 3-24 AC or DC triggers switched outlets ..... \$269

### CSM-6 Consecutive Power Module

Enables multiple amplifiers to be used on one circuit without overload. Supplies low voltage to up to six ACC-3 controllers. Features push-on plugs ..... \$269

### SLS-1 Low-Voltage Speaker Switcher

Enables 1 pair of speakers to be used with 2 amplifiers. 24-V AC DC triggers switching device ..... \$150

## CARVER

### ZAP Zone Addition Pack

Remote control extender for C-5 and CT-17 preamps; provides independent volume control and source selection for secondary zones. Features 4 infrared-receiver inputs; tabletop/in-wall infrared receiver ..... \$300

**SL-D Display Module.** Remote LED display showing system functions and selections; fits standard switch box ..... \$200

**SL-K In-Wall Keypad.** Features 9 keys; 16 functions. Compatible with SL-D display module; fits standard switch box ..... \$171

## RemoteSystem Link Components

**MSI-1.** Multisource interface ..... \$2,175

**RAC-6a.** Remote 40-W amplifier/controller ..... \$600

**RSI-1.** Remote system interface ..... \$300

**CBL.** 300-ft SystemLink cable ..... \$200

**IR-T4.** Infrared transmitter for in-cabinet mounting ..... \$120

**IR-R2.** Infrared receiver ..... \$100

**IR-T1.** Infrared repeater/transmitter ..... \$90

**RH-1.** Basic-function remote control ..... \$80

## DENON

### RC-615S Multiroom Control Kit

Enables infrared-compatible A/V equipment to be controlled from remote zones. Includes RC-616 retransmitter/power supply, RC-617S sensor, RC-618 emitter, and 100-ft cable. RC-616 sends power to/receives transmissions from up to 4 RC-617 sensors and retransmits in signal to components and/or powers up to 4 RC-618 emitters; 5 RC-616's can be looped together ..... \$200

**RC-617S.** Standalone infrared sensor ..... \$45

**RC-617W.** Wall-mount infrared sensor ..... \$40

**RC-618.** Supplemental emitter ..... \$20

## HARMAN KARDON

### HE-1000 Infrared Repeater System

Permits control of Harman Kardon components from secondary zones; enables hidden components to be controlled by infrared remote control. Includes AC adaptor, infrared sender, and 10-ft cable ..... \$60

## KENWOOD

### RC-EX10 Infrared Repeater System

Permits control of Kenwood components from secondary zones. Features infrared sending and receiving modules; AC power adaptor; card-type wireless remote control with power, source-selection, tuner-presets, volume, and disc-selection controls. Includes 20-m connecting cable ..... \$120

# MULTIROOM COMPONENTS

## LUXMAN

### RC-506 In-Wall Keypad

Controls TP-117 preamp and connected Luxman 100 Series components. Features 8-source selection; system on/off, CD, tuner, tape-deck, and volume controls; built-in infrared sensor; LED command-receipt indicator; Decora-style coverplate; compatibility with other brand components. Connection via standard 4-conductor telephone wire and RJ-11 connector ..... \$200

### RC-505 In-Wall Keypad

Controls Luxman System Bus receivers and connected 100 Series components. Features 9-source selection with lighting to confirm component selection; system on/off, CD, tuner, tape-deck, and volume controls; built-in infrared sensor; LED command-receipt indicator; Decora-style coverplate; compatibility with other brand components. Connection via standard 4-conductor telephone wire and RJ-11 connector; fits 2-gang box ..... \$200

## MCINTOSH

### CR-10 A/V Controller

4 zones. 1 video and 5 audio inputs; 6 serial-data output ports; two 25-pin D connectors for cascading controllers. Features electromagnetic switching. Source and volume presets for each zone; LED indicators for source/zone and volume/zone status. FR 20-20,000 Hz +0, -0.5 dB; SN 86 dB; input 8 V max; output 2.5 V, 8 V max ..... \$1,995  
**MVS-3.** Adds A/V switching capability to above. Features S-video inputs ..... \$499  
**MHC-1.** Enables CR-10 to control 6 additional electronic devices ..... \$499  
**PC-1.** Provides AC power control over 4 remote power amps and 5 audio- and 2 video-source accessories. Features 3 unswitched AC outlets. Connects to CR-10 via DIN connector ..... \$399  
**ACM-1.** Plug-in module for CR-10; provides independent input selection and volume control for 1 zone. CR-10 accepts up to 4 modules ..... \$299

### Accessories

R-657. Infrared repeater	\$270
R-612. Power relay	\$200
WK 1. In-wall keypad	\$199
R-606. Multiple-sensor adaptor	\$120
R-649. Switch-box-mount remote sensor	\$100
R-668. Infrared flood emitter	\$70
R-615A. Video-signal/bc-control adaptor	\$60
HR-10. Hand-held remote for CR-10	\$49
HR-667. Low-power infrared emitter	\$40

## MERIDIAN

### Model 202 Preamp/Controller

2 zones. 6 inputs. Features full tape control; 64-step electronic volume; input, copy, mute, system 1+2, mode, and standby controls; status display. THD 0.02%. 6 $\frac{3}{8}$  x 4 x 12 $\frac{3}{8}$  in; 10.6 lb ..... \$1,390

**Model 222 Control Box.** Extends control capabilities of above to 3 additional zones. Features non-volatile memory. Local amplification required for each zone. 6 $\frac{3}{8}$  x 2 $\frac{1}{4}$  x 12 $\frac{3}{8}$  in ..... \$600

**Model 223 Power Box.** Provides AC power to components in up to 10 zones. 6 $\frac{3}{8}$  x 2 $\frac{7}{8}$  x 12 $\frac{3}{8}$  in. \$600

### Model 221 Wall Control/Display Panel

Displays status of 3 zones. Built-in infrared sensor; source-selection, CD, tape, tuner, and volume controls. Die-cast case with glass window ..... \$390

### Model 213 Infrared Receiver

Wall-mount design. Features 8-digit status display; molded case with glass front. 6 $\frac{3}{8}$  x 1 $\frac{1}{2}$  x 1 $\frac{5}{8}$  in \$220  
**Model 212.** As above, without display ..... \$170

### Model 220 Wall Control Panel

Features controls for volume and source, CD-track, and radio-station selection; plastic molded case. Fits 1-gang box. 3 $\frac{1}{4}$  x  $\frac{5}{8}$  x 3 $\frac{1}{4}$  in ..... \$200

**Model 209 Remote Control.** Hand-held wireless remote with preset and track-selection controls; 31 keys. 6 $\frac{3}{8}$  x 1 $\frac{1}{4}$  x 6 $\frac{3}{8}$  in ..... \$148

## NILES

### Component Commander Series

The following components provide switching and control capability for a multiroom audio system.

<b>SR-6 Audio Controller.</b> 6 zones; 6 inputs. Main chassis	\$995
<b>TL-1.</b> Infrared learner for above. Converts keypad commands into brand-specific infrared commands	\$795
<b>RC-1.</b> Zone/preamp card for SR-6	\$395
<b>PWR-6.</b> Power supply for SR-6	\$299
<b>AC-6.</b> Zone-switched AC outlet strip. Provides AC power for selected zone amp(s)	\$299
<b>KP-1 Wall Keypad.</b> Features power, volume, source/speaker-selection, and transport controls. 1 required for each zone	\$295
<b>APC-2.</b> Current sensing, switched AC outlet	\$214
<b>SP-2 Wall Amp/Speaker Selector.</b> For use with KP-1	\$195
<b>AS-2.</b> Input card for SR-6. 2 Inputs	\$120
<b>HC-6.</b> Wireless remote control for SR-6	\$99

### Infrared Components and Accessories

The following devices are used primarily to transmit and receive infrared control signals in multiroom audio systems.

<b>RVS-6 Infrared Repeater/Controller.</b> Combination infrared repeater, speaker selector, and volume control for up to 6 zones	\$700
<b>RVC-1.</b> Speaker on/off and volume control module for above	\$124
<b>HC-2.</b> Infrared remote for RVS-6	\$90
<b>RSS-1.</b> Speaker on/off selector for RVS-6	\$26

**IRD-8 Infrared Signal Routing System.** Enables identical infrared-controlled devices to be controlled without interference ..... \$456

**HC-1.** Remote for above ..... \$90

**IRP-6A Infrared Repeater.** 6-zone main system; Infrared receivers and flashers not included ..... \$118  
**XRP-6A.** Adds 6 zones to above ..... \$70

<b>TIR-1.</b> Tabletop infrared receiver	\$80
<b>CMS-3.</b> Ceiling-mount infrared receiver	\$72
<b>IRR-3.</b> Wall-mount infrared receiver; available with Decora-style faceplate	\$64
<b>IRW-2.</b> Wall-mount infrared flasher with Decora-style faceplate	\$31
<b>IRW-1.</b> Wall-mount infrared flasher	\$26
<b>IRC-1.</b> Velcro-mount infrared flasher	\$20
<b>IRC-2.</b> Panel-mount infrared flasher	\$12

### Remote Speaker Selectors

**AB-8.** 8-channel device that enables switching between multispeaker complements in 2 zones. For surround systems ..... \$390

**RP-8.** Decora-style wall-mount panel for above ..... \$33

**TVA-20.** Music-sensing A/B switcher with built-in 20-W stereo amp ..... \$325

**SAS-1.** Auto A/B switcher activated by audio or video signal ..... \$200

**ASB-1.** Auto A/B switcher activated by audio signal ..... \$84

**RFS-1.** Voltage-controlled RF A/B switcher ..... \$67

## ONKYO

**HKT-50AC Multiroom Kit.** Includes infrared sensor, 2 emitters, and two 30-meter cables ..... \$245

**HE-50AC.** Infrared emitter system ..... \$120

**HR-10W.** Infrared sensor ..... \$65

**RC-MR1H.** Remote control for secondary zones ..... \$35

**HE-10.** Emitter unit ..... \$30

**HW-50.** 50-meter connecting cable ..... \$30

## PIONEER

**MR-100 Remote Sensor Kit.** Permits control of Pioneer components from secondary zones via

hand-held remote control. Includes AC adaptor and 65-ft cable ..... \$85

**MR-101 Remote Emitter.** For use with above; to control non-Pioneer components ..... \$65

**CU-MR100 Remote Control.** For use with MR-100; 24 keys ..... \$28

## RUSSOUND/FMP

### Wall-Mount Volume Controls

The following fit in standard junction boxes and are compatible with 4- and 8-ohm speakers. Mono and stereo versions are available in several colors.

**HLT.** Power handling 50 W rms; attenuation 30 dB. 2 gang. 2 $\frac{5}{8}$  x 1 $\frac{3}{4}$  x 2 $\frac{5}{8}$  in ..... \$64

**ALT.** Power handling 25 W rms; attenuation 20 dB. 1 gang. 1 $\frac{3}{8}$  x 2 $\frac{7}{8}$  x 2 $\frac{1}{8}$  in ..... \$32

**LPT.** Power handling 10 W rms; attenuation 20 dB. 1 gang. 1 $\frac{3}{8}$  x 2 $\frac{7}{8}$  x 1 $\frac{3}{8}$  in ..... \$28

## SONANCE

### AC1 Sequential Power Switcher

4 line-level outputs. Sequentially activates up to 4 components in 2.5-sec intervals. Features full 3-stage AC surge protection; EMI/RFI filtering; 15-ampere circuit breaker. Auto turn-on via line-level signal sensing; front-panel LR output-level controls; LED status indicators; trigger terminal for external devices. 4 switched, 2 unswitched AC outlets. Power handling 1,800 W; THD + noise 0.01% from 20-20,000 Hz; 6-dB gain. 16 $\frac{3}{4}$  x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in ..... \$349  
 With rack mount ..... \$362

### AF8 Speaker-Impedance Matching System

1 speaker-level input, 8 outputs. Distributes input signal to 8 speaker outputs; for 50-250-W/ch rms amplifiers. Features printed circuit board with  $\frac{3}{8}$ -in traces; independent LR ground paths. Adjustable output taps for setting impedance; 12-gauge screw-type output terminals. FR 30-20,000 Hz  $\pm$  1 dB; input/output terminals rated at 15 amperes/300 V. 16 $\frac{3}{4}$  x 3 $\frac{1}{2}$  x 4 $\frac{3}{4}$  in ..... \$289  
 With rack mount kit ..... \$330

### Speaker Switching Systems

The following systems distribute speaker-level signals from an amplifier or receiver to remote volume controls and 4 or more speaker pairs; a \$41 rack-mount kit is available for all SDS models.

### SDS-4VC

2 speaker-level inputs, 4 outputs. Enables 4 speaker pairs to be independently switched to either source. Features silver-plated, self-cleaning switching contacts; printed circuit board with  $\frac{3}{8}$ -in traces; independent LR ground paths. Active 50-W/ch volume control and on/off button for each speaker pair; circuit-protection button; 14-gauge screw-type output terminals. Power handling 80 W/ch rms ..... \$489

**SDS-4x2.** As above, without active volume controls. Power handling 200 W/ch rms ..... \$329

**SDS-4AB.** As SDS-4x2, speaker pairs can be switched to only 1 source. Features auto circuit protection ..... \$300

**SDS-4.** As SDS-4AB, 1 speaker-level input ..... \$262

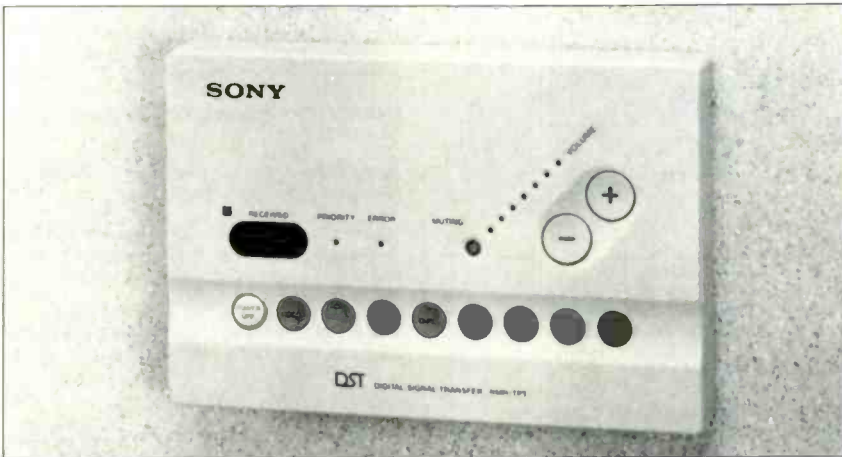
**SDS-4MP.** As SDS-4, manual circuit protection. Power handling 100 W/ch rms ..... \$229

### SDS-6 + VC

2 speaker-level inputs, 6 outputs. Enables 6 speaker pairs to be independently switched to either source. Features silver-plated, self-cleaning switching contacts; printed circuit board with  $\frac{3}{8}$ -in traces; independent LR ground paths. Active 100-W/ch volume control with bypass and A/B source switch for local speaker pair; on/off button for each speaker pair; auto circuit protection; 14-gauge screw-type output terminals. Power handling 100 W/ch rms. 16 $\frac{3}{4}$  x 1 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in ..... \$483

**SDS-6.** As 6 + VC, 1 speaker-level input; parallel source output for additional switcher. Power handling 200 W/ch rms ..... \$425

**SDS-6MP.** As SDS-6, no parallel source output; manual circuit protection ..... \$386



Sony RMR-TP1

**VC504P In-Wall Switcher/Volume Control**

2 speaker-level inputs, 4 outputs. Enables 4 speaker pairs to be independently switched to either source. Features common ground paths; protection circuitry; silver-plated, self-cleaning switching contacts. A/B source switch, on/off button, and 50 W/ch volume control for each speaker pair; 14-gauge screw-type output terminals. Power handling 50 W/ch. Includes white or ivory 5-gang wallplate. 8 3/4 x 4 1/8 x 2 1/2 in. . . . . \$360  
**VC504.** As above, without protection circuitry. . . . . \$320

**DB6**

1 speaker-level input, 6 outputs. Features on/off switches 6 speaker pairs; circuit-protection button; parallel source output for additional switcher. Power handling with without protection engaged 25/100 W/ch rms. 10 7/8 x 1 3/4 x 4 in. . . . . \$175  
**DB4.** As DB6, 4 outputs. 8 3/4 x 1 3/4 x 4 in. . . . . \$109

**AS-1 Automatic Switcher**

2 speaker-level inputs. Provides auto switching from main amplified source to remote amplified source, for amps up to 100 W/ch rms. Features adjustable input sens and switching time between sources; active-source LED indicator; screw-type connectors; control output for additional switcher; low-voltage power supply. 2 7/8 x 4 x 1 1/2 in. . . . . \$150  
**AL-1.** As above, for line-level sources. Features gold-plated RCA connectors. . . . . \$150  
**AS-1/S.** Slave unit for AS-1; no power supply. . . . . \$105  
**AL-1/S.** Slave unit for AL-1; no power supply. . . . . \$105

**Accessories**

**LS-1 Balanced-Line Converter**

Unbalanced to balanced line-level converter. Features gold-plated RCA input; 5-position screw-type output terminals. 2 7/8 x 4 x 1 1/2 in. . . . . \$170  
**LR-1.** Balanced receiver for above. . . . . \$150

**SCF-1 Cutoff Filter**

Active 6th-order high-pass filter with 40-Hz cutoff. Designed to lower distortion in systems using auto-former/transformer-type devices. Features gold-plated RCA inputs/outputs. 2 7/8 x 4 x 1 1/2 in. . . . . \$160

**MLP-1 Bridging Adaptor/Subwoofer Filter**

Converts 2-channel amp into mono subwoofer amp. Features active low-pass crossover with selectable 50/75/100-Hz point; active bass EQ centered at 40 Hz; screwdriver-adjustable  $\pm 6$ -dB gain; gold-plated RCA inputs/outputs. . . . . \$140

**SBA-1 Dual-Amp Bridging Adaptor**

Converts two 2-channel amps into 2 mono amps, each with 3.5 times the power output of single stereo channel. Features screwdriver-adjustable  $\pm 6$ -dB gain; gold-plated RCA inputs/outputs. 2 7/8 x 4 x 1 1/2 in. . . . . \$125

**SM-1.** As above, converts one 2-channel amp to mono. . . . . \$120

**LL-1 Line-Level Attenuator**

2 channels. Features 2 recessed-screwdriver trim pots; gold-plated RCA inputs/outputs. . . . . \$65

**ABW1HPO In-Wall A/B Switch/Headphone Jack**

A/B source and speaker on/off buttons; headphone jack. Features silver-plated switch contacts; screw-type connectors. Power handling 200 W/ch peak. Fits 1-gang box; mounting depth 2 1/8 in. . . . . \$51

**ABB1 Tabletop A/B Switch**

For switching between two speaker-level sources or two speaker pairs. Features self-cleaning, silver-plated switching contacts; Independent LR ground paths; screw-type connectors. Power handling 200 W/ch. 5 x 2 1/4 x 5 in. . . . . \$80  
 Bracket kit . . . . . \$44  
**ABW1A.** In-wall version of ABB1. Fits 1-gang box; mounting depth 2 1/8 in. . . . . \$31

**OP3 Output Pad**

Attenuates speaker-level signal to line level; for 100-200-W/ch amps. Features pigtails for speaker input; 2 gold-plated RCA outputs. -30-dB attenuation \$23  
**OP2.** As above, for amps up to 100 W/ch. -20-dB attenuation. . . . . \$21

**HP1 High-Pass Filter**

For subwoofer/satellite systems; connects in series between positive terminals of amp and speaker. Features pigtails for speaker hookup. Power handling 300 W; 6-dB/oct slope: -3 dB at 100 Hz into 8 ohms, -3 dB at 150 Hz into 6 ohms, -3 dB at 200 Hz into 4 ohms. 1 3/8 x 1 3/8 x 1 3/8 in. . . . . \$21

**Infrared Repeater System Components**

The following components transmit and receive infrared control signals; they extend remote control to components in secondary zones and enable hidden components to be operated via remote control.  
**Cabinet Receiver.** For placement on cabinetry or shelves. Phone jacks. 1 3/8 x 1 1/8 x 3 in. . . . . \$86  
**In-Wall Receiver.** Auto-gain circuitry. Phone jacks; fits 1-gang box. 1 1/2 x 4 x 1 in. . . . . \$84  
**In-Cabinet Emitter.** Phone jacks. 1 1/2 x 1 x 1 1/8 in. \$58  
**Component Emitter Driver.** Box for 4 component-type emitters; includes 1 emitter. 1 3/8 x 1 1/8 x 3 in. \$56  
**In-Wall Emitter.** Phone jacks. 1 1/2 x 4 x 1 in. . . . . \$55  
**Repeater System Power Supply.** 2-screw terminals. 2 x 1 1/2 x 1 1/2 in. . . . . \$16.50  
**Component Emitter.** Rebroadcasts signal to individual component. 3-m cable with mini plug. . . . . \$10

**Volume Controls**

**VC100A In-Wall Control**  
 Autoformer design with knob; attenuates/balances volume of 1 speaker pair in 10 steps. Features non-

shorting wafer switch; screw-type connectors. Power handling 100 W/ch rms; FR 20-20,000 Hz  $\pm 1.2$  dB; total attenuation -31.5 dB. Fits 1-gang box; mounting depth 3 1/4 in. . . . . \$73  
**VC501.** Designer version of above. Power handling 50 W/ch rms. Fits Ticino box; mounting depth 2 in. \$86  
**VC50A.** As VC100A, 50 W/ch rms, FR 20-20,000 Hz  $\pm 2$  dB. Mounting depth 2 1/8 in. . . . . \$62  
**VC45.** As VC50A, 45 W/ch rms. Mounting depth 2 1/4 in. . . . . \$51  
**VC25.** As VC45, 25 W/ch rms. Mounting depth 2 in. . . . . \$47

**SONY**

**RM-S2070K Dual Room Kit.** Permits control of Sony components from secondary zones. Includes wall-mountable infrared receiver and infrared flasher, credit-card-size remote control, and 50-ft connecting cable. . . . . \$190

**Digital Signal Transfer System**

Two basic packages are offered: the **DLS-M1** main-system package includes the **TA-DM1000ES** master controller, the **RM-P1** remote control, the **MX-RF1** signal combiner/splitter (not listed), audio and video cables for Sony SIRCS components, and three 75-ohm RF plugs; the **DLS-L1** zone package includes the **TA-DL100** amplifier, the **RMR-TP1** in-wall control panel, and a 75-ohm RF plug. Pricing for the **DLS-M1** and **DLS-L1** is \$1,200 and \$500, respectively. Except for the **RM-P1**, the following components are not sold separately.

**TA-DM1000ES Digital Controller**

6 audio and 3 video inputs; digital input; line-level, video-monitor, and RF outputs; 6 audio and 2 video control outputs for Sony SIRCS components; 7 emitter outputs for any A/V component; 1 control input for Sony SIRCS TV remote control. Features 1-bit A/D conversion; simultaneous transmission of 3 digital audio signals, 1 video signal (in RF TV format), and 2-way control signals for all zones through single 75-ohm coaxial cable. Room-in-use and recording-status indicators; ability to learn infrared codes of other brand components; -20-dB mute; 6 switched AC outlets. Sampling frequency 44,100 Hz; FR 10-20,000 Hz  $\pm 0.1$  dB; SN 95 dB; THD 0.007%. 17 x 4 7/8 x 14 in; 16.1 lb

**TA-DL100 Digital Link 40-W/ch Amplifier**

One required per zone in DLS system. Features 16-bit D/A converter with 8x oversampling and 44,100-Hz sampling rate. Local aux and TV-antenna inputs; line-level output. Room-ID switch for up to 16 zones; bass and treble controls. 40 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD. 17 x 4 3/8 x 10 1/2 in; 11.5 lb

**RMR-TP1 Digital Link Touch Panel**

Connects to TA-DL100 zone amplifier. Features infrared sensor; 8 backlit source-selection buttons, including 2 video; volume, mute, and power on/off controls; main/remote-room system power on/off; system-status indicators; volume-level memory. Includes 2 F connectors and 75-ohm coaxial cable with F connectors. Fits 3-gang box. 6 3/4 x 4 3/4 x 4 in; 14 oz

**RM-P1 Programmable Remote Control**

Features 8 source-selection keys, including two video; mute, volume, and system-power on/off buttons; concealed function keys for VCR, videodisc player, CD player, DAT deck, and cassette deck; concealed TV keypad; backlit LCD. 2 3/4 x 1 1/4 x 8 3/4 in; 8 oz (with batteries). . . . . \$130

**SOUNDSTREAM**

**Simulsource Multiroom Components**

**SN-1 MkII Controller.** 4 zones; 8 audio, 3 video outputs. . . . . \$1,195  
**SNX-1.** 5-zone expansion module for SN-1. Can be daisy-chained with other SNX-1's. . . . . \$795  
**T-1 EPROM.** Enables SN-1 to support second T-1

tuner in installations where multiple FM sources desired ..... \$100

### RA-100 MkII 50-W/ch Zone Amplifier

One required per zone. Features 1-ohm stability; separate amp/preamp stages; low-profile chassis for concealed installation. 50 W x 2 into 4 ohms or 100 x 2 into 2 ohms; 180 x 1 into 4 ohms ..... \$695

**BD-100M.** Remote infrared sensor for above .. \$120

### C-1 Infrared Repeater

Creates 2 separate audio/video zones (each covering up to 4 rooms) when used with RA-100 MkII amp, BD-100 remote sensor, and RSS-2 speaker selector. Includes 2-zone C-1 EPROM, 8-component repeater with balanced-line adaptor, two remote mini-emitters ..... \$250

### KP-100 In-Wall Keypad

Features controls for zone volume, T-1 tuner, and CD player; power on/off for room, zone, and master system. Fits 1-gang box. Includes Decora wall-plate ..... \$150

**KP-100 CD EPROM.** Enables KP-100 to operate specific CD changers; replaces standard software in SN-1 ..... \$100

## VIDEO LINK

### Model 440V Remote Speaker Selector

2 inputs, 4 outputs. Connects 2 amps to 4 speaker pairs. Features on/off button; A/B-source selector; and 10-position volume control for each speaker pair; 4/8 16-ohm compatibility. Power handling 100 W, 17 x 2 x 6 in ..... \$400

### Model 730 Programmable In-Wall Keypad

Features microprocessor capable of learning 64 infrared commands; 20 keys; 10-command sequencing via single key; 64K ROM memory. 3-wire hookup. Fits 2-gang box ..... \$300

### Model 590 Programmable Controller

Features microprocessor capable of learning 64 infrared commands; requires external switches to initiate commands. 16 isolated circuits; 64K ROM memory; infrared output, 16 screw-type switch-connector pairs ..... \$250

### Model 795 Controller

4 zones. Controls 2 components per zone and 10 common-source components. Features 18 infrared-emitter ports; 14 test LED's. 1 x 13<sup>3</sup>/<sub>8</sub> x 1<sup>7</sup>/<sub>8</sub> in .. \$170

**Model 796 Zone Expander.** Adds 5-zone capability to above ..... \$170

## Accessories

### AV-420R Remote A/V Switcher

4 video and 4 audio inputs; 2 video and 2 audio parallel outputs. Permits remote selection of 4 A/V sources. Features infrared-receiver input; digital status display; hand-held remote control with 4 source-selection buttons ..... \$125

### AV-426 A/V Distribution Amplifier

1 line-level audio and 1 video input; 6 line-level audio and 6 composite-video RCA outputs. Splits audio or video signals from 1 source six ways. 6<sup>1</sup>/<sub>2</sub> x 1<sup>1</sup>/<sub>2</sub> x 3<sup>1</sup>/<sub>2</sub> in ..... \$95

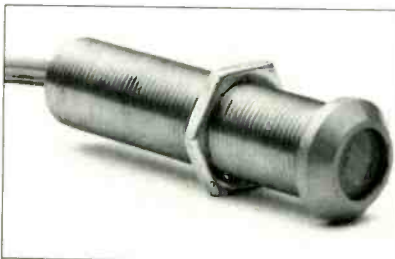
### URC-1 Programmable A/V Remote Control

Switchable TV, audio, video, and aux modes; 32 keys; two 10-command sequence buttons; 64-kilo-byte static random-access memory. White or black. 2<sup>1</sup>/<sub>2</sub> x 6 x 1 in ..... \$70

### Model 750-10 In-Wall Volume Control

10-position autoformer design. Features proprietary Tri-Fi winding with 3 insulated wires in compact transformer. 25 W/ch rms; FR 20-20,000 Hz ± 1 dB. White or ivory. Fits 1-gang box; 2-in depth ..... \$50

**Model 194-10 Frox Interface Cable.** For connecting Xtra Link receivers to Frox system ..... \$19.95



Video Link Model 490 Micro Link

**Model 634 Ground Breaker.** Reduces hum when audio component connected to cable tv ..... \$7.99

## Infrared Components

### Model 170-94 Xtra Link Infrared Converter

Converts infrared signal into DC signal for transmission over coaxial cable along with TV signal. Features infrared splitter and 2 emitters; command-receipt LED module; DC power supply ..... \$100

### Model 480 Dinky Link Infrared Receiver

Compact, surface-mount design for placement between grille and baffle of in-wall speaker. Features test LED; 20-ft range; 3-wire hookup, 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units. Black or white. 1/2 x 3/8 x 2 1/8 in ..... \$100

### Model 490 Micro Link Infrared Receiver

Housed in small brass cylinder for recessed mounting. Features test LED; 3-wire hookup, 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units. 1/2-in diameter x 2 in ..... \$100

### Model 780 Infrared Receiver

Mounts in 1-gang box. Features test LED; 3-wire hookup, 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units; dark lens wallplate ..... \$80

### Model 794 Universal Remote-Control Interface

Makes Video Link infrared receivers compatible with remote-control inputs on A/V components. Features DIP switches for specific brand/model components. Includes connecting cable with choice of connectors ..... \$80

**Model 797.** As above, brand-specific modules ..... \$80

### Model 298 Hidden Link + Infrared Receiver

Shelf-top design with mounting flange. Features test LED; 3-wire hookup, 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units. Black anodized-aluminum case. Includes mini mounting brackets ..... \$80

**Model 792-10 Power Module/Booster.** DC phantom-power supply for infrared receivers; can boost 0.1-ampere signal to 1 ampere ..... \$60

### Model 390-10 Powered Infrared Receiver

Shelf-top design. Features amp to boost 0.1-ampere infrared signal to 1 ampere. 3 LED's; emitter output. 3<sup>3</sup>/<sub>4</sub> x 1 x 2 in ..... \$50

**Model 290-10.** Non-amplified version of above. 1 LED ..... \$50

### Model 380 Powered Infrared Emitter

Mounts in 1-gang box. Features built-in amp to boost 0.1-ampere infrared signal to 1 ampere. 3 LED's; red lens wallplate ..... \$50

**Model 791C Powered Connecting Block.** Connects 10 emitters in parallel. Features test LED ..... \$60

**Model 790.** Non-amplified version of above. Requires power module ..... \$40

**Model 789.** Connects 3 emitters and power supply to 780-type receivers or connects 4 emitters in series ..... \$25

**Model 178 Bypass Kit.** Routes infrared signals around RF amps and non-DC-passive RF splitters. Includes 2 Model 176 infrared/RF splitter-injectors and jumper cable with mini plug ..... \$19.95

**Model 781 Power Supply.** Provides phantom power for 6-12 receivers ..... \$9.95

**Model 282 Mini Emitter.** Mounts on A/V component's infrared eye. Includes isolation cover ..... \$9.95

**Model 176 Infrared/RF Splitter-Injector.** Injects/extracts infrared signals into from coaxial TV cable. Includes 2 different F connectors and 3 mini plugs ..... \$8.99

**Model 784 Emitter Extension Cable.** 4-gauge, 2-conductor cable with mini plug. 50 ft ..... \$7.99

## YAMAHA

*The following components provide switching and control capability for a multiroom audio system as well as the means for transmitting and receiving infrared control signals.*

### MCX-10 Controller

5 zones. Facilitates speaker selection, source selection, and volume in each zone. Features zone-status indicators; zone-defeat switches; compatibility with most infrared-controllable A/V components; 3 infrared-emitter outputs; independent, selected, and all ..... \$400

### RCX-10 Programmable Remote Control

Preprogrammed for Yamaha RS components; each key programmable for 2 non-Yamaha components; memory backup; speaker on/off button ..... \$100

### WCX-10 Infrared Sensor

Converts infrared control signals from RCX-10 into electrical signals for MCX-10 controller. Features zone-speaker on/off switch; LED standby and command-receipt confirmation. Fits 2-gang box. Paintable titanium-finish face plate ..... \$100



Yamaha WCX-10

### IRX-20 Powered Infrared Emitter

Designed to flood area with infrared signal for multiple component control. Features 3 LED's; screw-type connectors; shelf/wall mounting bracket. Black anodized-aluminum housing ..... \$90

### CSX-10 Control-Signal Splitter

Permits serial connection of six IRX-10 emitters to any MCX-10 zone output. Includes 10-ft connection cable ..... \$40

### IRX-10 Mini Infrared Emitter

Attaches over component's infrared eye for individual control. Features 2 covers, one to prevent activation of other components. Includes 5<sup>1</sup>/<sub>2</sub>-ft connecting cord ..... \$12



# C A B L E S & C O N N E C T O R S

## ACROTEC

### Model 6N-A2030 Interconnect Cable

Balanced line cable. Features pure-copper conductor with gold-plated connectors; PVC and polypropylene inner sheath coating. Capacitance 50 pF/m; resistivity 35 mohm/m ..... \$200/m pr

### Model 6N 1040 Speaker Cable

10 gauge. Pure-copper conductor in PVC coating. Capacitance 137 pF/m; resistance 3.4 ohm/m \$30/ft

### Model 6N-1010 Speaker Cable

14 gauge. 2 pure-copper conductors in PVC liner and outer jackets. Imp 9.2 ohms; capacitance 101 pF/m ..... \$15/ft

### Model 6N S1030 Speaker Cable

Solid-core pure-copper conductor in PVC-coated fiber jacket. Capacitance 15 pF/m; resistivity 3.4 ohm/m ..... \$6/ft

## AMERICAN HYBRID TECHNOLOGY

**AHT B-Squared Line XLR Connectors.** Balanced; gold-plated. 1.5-10 m ..... \$390-\$990  
1 m ..... \$350

### AHT Ultra Resolution Interconnect Cable

24-karat gold plating on OFC; locking ground connector; WBT plugs. 1.5-30 m ..... \$370-\$670  
1 m ..... \$350

### AHT Ultra Resolution Speaker Cable

Four-piece design. Heavy spade or banana connectors. 10 ft ..... \$300

## APATURE

### Interconnect Cable

**Accusound.** Silver Teflon dielectric; magnetically shielded. Black. 2 m ..... \$140  
1 m ..... \$100

1/2 m ..... \$85  
**Accusound.** Silver-Teflon ..... \$5/ft

**BL-2 Balanced-Line Poly.** Magnetically shielded. 2 m ..... \$70  
1 m ..... \$60

1/2 m ..... \$50  
**BL-2 Balanced-Line Poly** ..... \$2.50/ft

**AV-Plus.** Pure copper dielectric. Red, blue, or brown. 2 m ..... \$50  
1 m ..... \$40

**AV-Plus Twin.** Red, blue, or brown ..... \$4/ft

**AV-Plus Single.** Red, blue, or brown ..... \$2/ft

**A/V Poly.** Gold end. 2 m ..... \$35  
1 m ..... \$30

1/2 m ..... \$25  
**AV-Poly Foam Twin.** Clear or neon pink ..... \$2/ft

### RCA Connectors

90° RCA Adaptor. Right-angle gold-plated female-to-male adaptor. 2-pk ..... \$12

**Accu-RCA-Teflon-Split Center Pin** ..... \$10

**Black Beauty.** 5-micron gold and Teflon ..... \$5

**Pro Phone Plug.** 1/4-in. ..... \$5  
**Solderless RCA.** Gold ..... \$3

**Large RCA.** Gold. 5 or 6 mm ..... \$2.50

### Speaker Cable

**Accusound Twin.** Silver; 8 solid-core silver-plated conductors; capacitance 18 pF/ft ..... \$12/ft

**Accusound.** Silver with Teflon coating ..... \$5/ft

**Signatryne 500.** 518 strands; 12 gauge; polyethylene and polypropylene insulation ..... \$3/ft

**B1-Wire Ribbon.** 16 gauge ..... \$1.25/ft

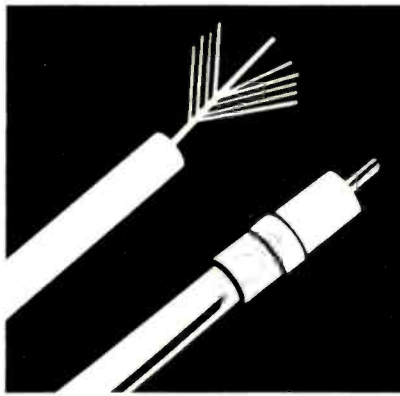
**CL-2-16 Custom Installation Wire.** For multiroom installations; 16 gauge. 4 conductors ..... \$1.25/ft  
2 conductors ..... \$0.60/ft

**SP-518.** 7-wire rope-lay design; 12 gauge; Accu-Flow. Capacitance 21 pF/ft ..... \$1/ft

**CL-2.4 Conductor.** With foil ..... \$1.50/ft

**CL-2.** 16 gauge; with foil ..... \$0.75/ft

**SP-134.** 16 gauge; low-capacitance, rope-lay design. Clear or neon pink ..... \$0.60/ft



**SP-82.** 18 gauge, 82 strands; low-capacitance design. Clear or neon lime ..... \$0.30/ft

### Gold-Plated Connectors

*Features copper-brass base with nickel-coating and gold-plating.*

**Dual Solderless Banana.** Gold ..... \$10

**Solderless Spade.** Gold ..... \$4

4-pk ..... \$15

**Solderless Banana.** Gold ..... \$4

4-pk ..... \$15

**Solderless Pin.** Gold ..... \$2.50

**Flexi-Pin.** With insulator ..... \$2.50

**Single Body Banana.** With insulator. Gold ..... \$2

**Spade.** With insulator. Gold ..... \$1

**Pin.** With insulator. Gold ..... \$1

## AUDIENCE

**Konductor.** 1-m RCA interconnect ..... \$199/pr

## AUDIO NOTE

### Pure-Silver Interconnects

**AN-VX.** Quasi-balanced configuration. 2-m pr \$1,800

1 1/2-m pr ..... \$1,400

1-m pr ..... \$950

3/4-m pr ..... \$750

1/2-m pr ..... \$550

**AN-V.** Quasi-balanced configuration. 2-m pr ..... \$600

1 1/2-m pr ..... \$515

1-m pr ..... \$375

3/4-m pr ..... \$300

1/2-m pr ..... \$200

### Pure-Copper Interconnects

**AN-C.** Quasi-balanced. 2-m pr ..... \$175

1 1/2-m pr ..... \$150

1-m pr ..... \$125

1/2-m pr ..... \$100

**AN-A.** Quasi-balanced. 2-m pr ..... \$80

1-m pr ..... \$60

1/2-m pr ..... \$50

### Pure-Silver Speaker Cable

**AN-SPX.** 20 strands; polyurethane coat ..... \$175/ft

**AN-SP.** 15 strands; polyurethane coat ..... \$60/ft

### Pure-Silver Tonearm Cable

**AN-A1.** Polyurethane-coated Litz ..... \$12.50/ft

### Pure-Copper Speaker Cable

**AN-B.** 2 conductor ..... \$8/ft

**AN-D.** As above, self-damping ..... \$4/ft

## AUDIOQUEST

**AQ AC-12.** 12 gauge. AC power cable with Hyperlitz configuration and ferrite RF filter. 2 m ..... \$165

### Interconnect Cable

**Diamond Hyperlitz.** Solid-silver strands separated by Teflon rods and wrapped around Teflon core.

Gold-plated RCA or XLR plugs. 1-m pr ..... \$600

Other lengths, add or subtract per m-pr ..... \$450

**Lapis Hyperlitz.** Teflon-insulated solid-silver strands. Gold-plated RCA or XLR plugs. 1-m pr ..... \$400

Other lengths, add or subtract per m-pr ..... \$250

**Emerald Hyperlitz.** Teflon-insulated copper strands. Gold-plated RCA or XLR plugs. 1-m pr ..... \$250

Other lengths, add or subtract per m-pr ..... \$100

**Quartz Hyperlitz.** Four polypropylene-insulated copper 6N conductors. Gold-plated RCA or XLR plugs. 1-m pr ..... \$150

Other lengths, add or subtract per m-pr ..... \$60

**Ruby Hyperlitz.** Four polypropylene-insulated copper conductors. Gold-plated RCA or XLR plugs. 1-m pr ..... \$90

Other lengths, add or subtract per m-pr ..... \$24

**Topaz Hyperlitz.** As above, solid-OFHC conductors. Gold-plated RCA plugs. 1-m pr ..... \$50

Other lengths, add or subtract per m-pr ..... \$10

**Turquoise Hyperlitz.** Four insulated solid-OFHC conductors. Gold-plated RCA plugs. 1-m pr ..... \$30

Other lengths, add or subtract per m-pr ..... \$6

### Fiber-Optic Cable

**Optilink Z.** Toslink connector. Blue ..... \$190/m

**Optilink Pro.** AT&T ST standard connector ..... \$160/m

**Optilink X.** Toslink connector. Burgundy ..... \$80/m

### Speaker Cable

**Dragon Hyperlitz.** Solid-silver conductors spiraled in Hyperlitz configuration (\$95/pr prep) ..... \$150/ft

**Sterling 2 Hyperlitz.** Solid-silver and solid-copper conductors spiraled in Hyperlitz configuration (\$95/pr prep) ..... \$85/ft

**Clear Hyperlitz.** 24 solid-copper conductors spiraled in Hyperlitz configuration (\$95/pr prep) ..... \$50/ft

**Jade Hyperlitz.** Solid-copper conductors spiraled in Hyperlitz configuration (\$65/pr prep) ..... \$30/ft

**Cobalt Hyperlitz.** 6 solid-copper conductors spiraled in Hyperlitz configuration (\$65/pr prep) ..... \$17.50/ft

**Midnight Hyperlitz.** 4 long-grain solid-copper conductors spiraled in Hyperlitz configuration (\$50/pr prep) ..... \$9/ft

**Crystal Hyperlitz.** Long-grain and OFC solid-copper conductors spiraled in Hyperlitz configuration (\$45/pr prep) ..... \$5/ft

**Indigo Hyperlitz.** Ten polyethylene-insulated solid-OFHC conductors in spiraled configuration (\$40/pr prep) ..... \$3/ft

**F-88.** Eight long-grain, solid-copper conductors in flat cable. Black or white ..... \$4.50/ft

**Type 4.** Four polyethylene-insulated solid-OFHC conductors in spiraled configuration ..... \$2/ft

**F-18.** Eight solid-OFHC conductors in flat cable. Brown or white ..... \$1.50/ft

**Type 2.** Two 3-strand OFHC conductors in spiraled configuration ..... \$1/ft

**F-14.** Four solid-OFHC conductors in flat cable. Blue or white ..... \$0.75/ft

**Digital Cable**

*Choice of RCA or BNC plugs.*

**Digital Pro.** Symmetrical solids; FPS silver ..... \$140/m

**Digital Z.** Symmetrical solids; FPC-6 copper ..... \$70/m

**Digital X.** Symmetrical solids; OFHC copper ..... \$35/m

## AUDIOSTREAM

### FMS-Black Speaker Cable

*6 tubular, helical spiral, OFHC conductors.*

12-ft bl-wire set ..... \$249

20-ft pr ..... \$229

12-ft pr ..... \$139

### Timeline Speaker Cable

*Helical spiral, OFHC conductors.*

**TL-6.** 6 conductors ..... \$2.40/ft

**TL-4.** 4 conductors ..... \$1.20/ft

**TL-2.** 2 conductors ..... \$0.60/ft

### MC Series In-Wall Cable

*Helical spiral, OFHC, CM rated.*

**MC-10.** 10 conductors ..... \$2/ft

**MC-4.** 4 conductors ..... \$1/ft

**MC-2.** 2 conductors ..... \$0.50/ft

# C A B L E S & C O N N E C T O R S

## Ultraline Speaker Cable

Parallel, OFHC conductors.

AC-50. Webbed	\$1/ft
AC-10. Webbed	\$0.70/ft
AC-7	\$0.30/ft

## FMS-Gold Interconnect Cable

Four tubular, helical spiral, OFHC conductors.

5-ft pr	\$129
3-ft pr	\$99

## Twinax Interconnect Cable

Two tubular, helical spiral, OFHC conductors.

5-ft pr	\$69
3-ft pr	\$49

## Microline Interconnect Cable

Coaxial, double shielded, OFHC.

20 ft	\$59
3 ft	\$39

## Connectors

AS-400G Gold RCA Plug	\$5
AS-500G Gold Banana Plug	\$3.50

## BEAR LABS

### Silver Lightning Interconnect Cable

Teflon/gold RCA connectors.

1 1/2-m pr	\$425
1-m pr	\$285
Balanced, silver plated XLR connectors.	
pair	\$100/ft

## BOULDER

### Speaker Cable

For use with Boulder power amps only. Also available with gold spade connectors on one or both ends. In lengths from 6-25 ft, stacking banana both ends, coaxial

\$219-\$569/pr

### Balanced Cable

Gold-plated 3-pin male to 3-pin female in lengths from 6-75 ft

\$149-\$439/pr

### Interconnect Cable

Gold-plated RCA plugs. 8-72 in

\$109-\$139/pr

## BRYSTON

### Interconnect Cable.

Available in RCA-to-RCA, RCA-to-XLR, and XLR-to-XLR balanced versions. Gold-plated connectors.

2-m pr	\$129
1-m pr	\$99
1/2-m pr	\$89
Each additional meter	\$30

## CALRAD

### Interconnect Cable

55-1015G. Gold plated, RCA plugs on each end. Polarized and dual shielded. 25-ft pr	\$4.60
55-1013G. As above, 15-ft pr	\$3.60
55-1011G. As above, 6-ft pr	\$2.70
55-1010G. As above, 3-ft pr	\$2.45
55-1004. Gold-plated RCA plugs. 15-ft pr	\$4.35
55-1003. As above, 6-ft pr	\$3.45
55-1002. Dual shielded RCA plugs on each end. Polarized. 25-ft pr	\$4.35
55-1001. As above, 20-ft pr	\$3.25
55-1000. As above, 10-ft pr	\$2.25
55-999. As above, 6-ft pr	\$1.90
55-998. As above, 4-ft pr	\$1.75
55-923. As above, 3-ft pr	\$1.65
55-924. As above, 1-ft pr	\$1.53

## CANTON

### Cantolink Speaker Cable

10 gauge	\$2.74/ft
12 gauge	\$1.52/ft
14 gauge	\$1.07/ft
16 gauge	\$0.88/ft

## CARDAS

All Cardas cables feature a constant "Q" copper Litz conductor core and a lifetime warranty.

### Speaker Cable

All cables have a Teflon/air dielectric insulation. Prices listed are for spade connectors; other connectors are available at extra cost.

Hexlink Golden. 0.0008 ohms/ft resistance. 8-ft pr	\$1,230
Each additional foot-pair	\$86
Hexlink. 0.0018 ohms/ft resistance. 8-ft pr	\$812
Each additional foot-pair	\$56
Quadlink. 0.0023 ohms/ft resistance. 8-ft pr	\$360
Each additional foot-pair	\$34

### Interconnect Cable

All connectors are fully shielded. Prices listed are for RCA or XLR connectors; other connectors are available at extra cost.

Hexlink Golden. Teflon/air dielectric; 0.012 ohms/m. 1-m pr	\$650
Each additional meter-pair	\$220
Hexlink. Teflon/air dielectric; 0.013 ohms/m. 1-m pr	\$560
Each additional meter-pair	\$168
Quadlink. Teflon dielectric; 0.021 ohms/m. 1-m pr	\$210
Each additional meter-pair	\$100
Model 300-B Micro. Teflon/cotton dielectric; 0.031 ohms/m. 1-m pr	\$116
Each additional meter-pair	\$60

### Digital Coaxial Cable

Versa Lab DC-1. Foam dielectric; shielded. 1 m

\$78  
Each additional meter

## CHORD

The following cables, except X42PG, are 6-ft long. X42PG is 4-ft long.

PP4G. 4 gold-plated RCA to 4 RCA	\$145
MONG. Gold-plated RCA to RCA	\$112
X54PG. 5-pin DIN to 4 gold-plated RCA	\$109
2NPG. 2 BNC to 2 gold-plated RCA	\$102
PP2G. 2 gold-plated RCA to 2 RCA	\$95
X32PG. 5-pin DIN to 2 gold-plated RCA	\$87
X42PG. 4-pin DIN to 2 gold-plated RCA	\$87
X32J. 5-pin DIN to 2 mini jacks	\$87

## DB SYSTEMS

### DBP-12X Interconnect Cable

400 pF; gold-plated plugs. 10 m

\$110

1 m

\$64

### Gold-Plated Connectors

DBP-13PX. Phono plugs. 2-pk	\$35
DBP-13JR. 3/8-in gold-plated phono jacks. 8-pk	\$30
DBP-13PM. Gold-plated phono plugs. 4 red, 4 black	\$30
DBP-9AU. 8 gold-plated, solderless banana plugs	\$25
DBP-13P. Phono plugs. 8-pk	\$17.95
DBP-9P. Dual banana plugs. 2-pk	\$17.95
DBP-9J. Dual banana jacks. 2-pk	\$17.95
DBP-13J. Gold-plated phono jacks. 8-pk	\$15.95
DBP-13JC. Gold-plated phono jacks. 8-pk	\$15.95
DBP-15. Y adaptors. 2-pk	\$12.95
DBP-16. 12-dB input attenuator	\$12.95
DBP-17. Phono coupler. 2-pk	\$12.95
DBP-14. Spade lugs. 8-pk	\$5.95
DBP-9H. Banana handles. 4 red, 4 black	\$3.50

## DISCWASHER

### Gold-Ens Interconnect Cable

Features heavy gold-plated connectors and mold-ened-nylon insulating sleeves. Available in single- and double-strand configurations.

2-m pr	\$25
1-m pr	\$23

## Gold Ends Interconnect Cable

Double-strand RCA-connector cable with gold-plated ends and pure-copper conductors.

5-m pr	\$21
4-m pr	\$18.95
2-m pr	\$16.95
1-m pr	\$14.95

## DLC

GRB016. Gold 90-degree RCA-plug to RCA-jack adaptor	\$9/pr
MA-95G. Gold RCA male to RCA male adaptor	\$3
MA-47G. Gold RCA female to RCA female adaptor	\$2.75

## Audiophile Interconnect Cable

Dual stereo cables with shielding and gold-plated RCA plugs.

CAG-20. 20 ft	\$20
CAG-10. 10 ft	\$12.50
CAG-06. 6 ft	\$10
CAG-03. 3 ft	\$9.25
CAG-01. 1 ft	\$8

## The Missing Link Interconnect Cable

Oxygen-free 99.96% pure-copper conductors with heavy gold connections; RCA to RCA connectors.

ML-20. 20 ft	\$13.40
ML-10. 10 ft	\$10
ML-06. 6 ft	\$7
ML-03. 3 ft	\$4.85

## Y-Cord Adaptors

CAY-6. 1/4-in phone plug to two 1/4-in phone jacks	\$2.95
CAY-5. Mini plug to 2 mini jacks	\$1.95
CAY-4. Mini plug to 2 RCA plugs	\$1.95
CAY-3. RCA plug to 2 RCA jacks	\$1.95
CAY-2. RCA jack to 2 RCA plugs	\$1.95
CAY-1. Mini plug to 2 RCA plugs	\$1.95

## Sound King Speaker Cable

Oxygen free copper conductors in a rope-lay configuration. Prices are per foot.

SK-8. 8 gauge; 665 strands	\$1.10
SK-10. 10 gauge; 413 strands	\$0.75
SK-12. 12 gauge; 259 strands	\$0.50
SK-14. 14 gauge; 168 strands	\$0.35
SK-16. 16 gauge; 112 strands	\$0.28
SK-18. 18 gauge; 65 strands	\$0.20

## Amp King Power Cable

The following feature pure electrolytic copper conductors in a ropelay configuration and 105°C insulation. Prices are per foot.

AK-4. 4 gauge; 1,672 strands	\$1.00
AK-8. 8 gauge; 665 strands	\$0.60
AK-10. 10 gauge; 413 strands	\$0.40

## ESOTERIC AUDIO

Series II Speaker Cable. OFHC conductors. 5-yr warranty. 8 ft

\$10.50-\$650/pr

### Interconnect Cable

The following are shielded OFHC and sold in meter pairs. RCA connectors are available. 5-year warranty.

Arturus. Silver-plated conductor in patented Air-Litz geometry insulation. Locking connectors	\$340
Tech 3ii. Patented Air-Litz geometry; twin-symmetry balanced design; XLR connectors	\$200
Tech 2ii. Patented Air-Litz geometry; twin-symmetry balanced design; XLR connectors	\$180
Primus. Patented tri-barrier geometry insulation	\$160
Graphis. Nitrogen-cell foam insulation	\$75

### Connectors

The following feature gold-plating and locking system with bushings.

Model 14044. 4-way binding post; copper construction. Gold or rhodium plating

\$48/pr

<b>Model 14024.</b> 6-way binding post .....	\$38/pr
<b>Model 14124.</b> Copper RCA jack; Teflon dielectric .....	\$37/pr
<b>Model 14114.</b> RCA jack; Teflon dielectric .....	\$27/pr
<b>Model 14080.</b> 2-way banana jack. 2 prs .....	\$21
<b>Model 14060.</b> 2-way 3/4-in banana jack. Package of 2 pairs .....	\$17.95
<b>Model 14100.</b> RCA jack; Teflon dielectric. 2 prs .....	\$15.95

### RCA Connectors

The following feature split-center pin design, Teflon dielectric, and 24-karat gold plating. All, except the 16040, are sold in 2-pair sets.

<b>Model 16220.</b> AL connector .....	\$41.95
<b>Model 16180.</b> SL connector .....	\$27.95
<b>Model 16170.</b> ELS connector. Solderless .....	\$22.95
<b>Model 16150.</b> EL connector .....	\$18.95
<b>Model 16024.</b> Easy-link connector .....	\$16.95
<b>Model 16040.</b> Easy-link right-angle connector .....	\$14.95/pr

### Line-Level A/V Adaptors

<b>Model 17020 RCA Y.</b> Solid brass; 24-karat gold plating; solid-copper center jumper wire. Red or black .....	\$40
<b>Model 17090 Right-Angle Y.</b> Solid brass; 24-karat gold plating .....	\$26/pr
<b>Model 17100 Right-Angle RCA.</b> Long. Solid brass; 24-karat gold plating .....	\$13.95/pr
<b>Model 17120.</b> Same as 17100, except short adaptor .....	\$13.95/pr
<b>Model 17060 Male-to-Male RCA.</b> Solid brass; 24-karat gold plating; Teflon dielectric .....	\$12.95/pr
<b>Model 17080 Female-to-Female RCA.</b> As Model 17060, female .....	\$12.95/pr

### Speaker Cable Connectors

<b>Model 13280 Inter-Lok Tri-Spade XL.</b> 8 gauge. Solid brass; 24-karat gold plating; solid copper center jumper; crimpless, solderless 360° termination; 3-iler design. 2 pr .....	\$32
<b>Model 13260 Inter-Lok Single Banana XL.</b> 8 gauge. Solid brass; 24-karat gold plating; solid copper center jumper wire; crimpless, solderless 360° termination. 2 pr .....	\$32
<b>Model 13250 Inter-Lok Single Banana.</b> Same as 13260, except 12 gauge .....	\$25
<b>Model 13270 Inter-Lok Tri-Spade.</b> Same as 13280, except 12 gauge .....	\$25
<b>Model 13290 Inter-Lok Bi-Pin.</b> 12 gauge. Solid brass; 24-karat gold-plating; crimpless, solderless 360° termination; 2-step diameter tip design. 2 pr \$25	\$25
<b>Model 13300 T-Lok Single Banana.</b> 8 gauge. Stackable; unibody tip design. 2 pr .....	\$22
<b>Model 13310 T-Lok Dual Banana.</b> As Model 13300 .....	\$22/pr

## EXPRESSIVE TECHNOLOGIES

### IC-1 Interconnect Cable

Balanced design with grounding system. 1-meter pair .....	\$595
Each additional meter .....	\$300
With XLR connectors .....	\$50

### IC-2 Interconnect Cable

Balanced design with grounding system. 1-meter pair .....	\$295
Each additional meter .....	\$150
With XLR connectors .....	\$50

## GENEVA

<b>PF-837 Double Banana Plug.</b> Gold plating. 2 .	\$12
<b>PF-836 Banana Plug.</b> Gold plating. 2 red, 2 black \$6	\$6
<b>Standard Source Interconnect Cable.</b> Replacement-type .....	\$3.99-4.99/pr
<b>PF-860 RCA Jack-to-Mini Plug</b> .....	\$2.99

### Performance Series

<b>Speaker Cable.</b> 99.99% OFHC cable; 100% copper; gold-plated spade lugs .....	\$85-1,250
<b>Interconnect Cable.</b> 11 gauge; 99.99% OFHC cable; gold-plated RCA connectors .....	\$46-100/pr

## INTERNATIONAL COMPONENTS

**Super High-Grade Interconnect Cables**  
Low-capacitance double-shielded, double-insulated cables. Features clear-PVC jacket and gold-plated connectors.

### RCA-to-RCA

<b>Model 95-570.</b> 12 ft .....	\$10.89
<b>Model 95-560.</b> 5 ft .....	\$7.39
<b>Model 95-550.</b> 3 ft .....	\$5.61

### Heavy-Duty Gold-Plated Triple RCA-to-RCA.

<b>Model 95-680.</b> 12 ft .....	\$8.95
<b>Model 95-670.</b> 5 ft .....	\$7.19
<b>Model 95-660.</b> 3 ft .....	\$6.31

### Heavy-Duty Gold-Plated Double RCA-to-RCA.

<b>Model 95-640.</b> 12 ft .....	\$7.54
<b>Model 95-630.</b> 5 ft .....	\$5.21
<b>Model 95-620.</b> 3 ft .....	\$4.95

### Triple RCA-to-RCA

<b>Model 95-650.</b> Three 6-ft patch cables .....	\$3.56
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### Double RCA-to-RCA

<b>Model 95-610.</b> Two 6-ft patch cables .....	\$3
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### Push-On Cables

<b>Model 95-220.</b> Deluxe right-angle connectors with tension retaining rings. 6 ft .....	\$1.77
<b>Model 95-210.</b> As above, 3 ft .....	\$1.55

### RCA Plug to Mini Plug

<b>Model 95-520.</b> 6-ft dubbing cable. Molded construction with gold ends .....	\$1.68
<b>Model 95-510.</b> As above, without gold ends .....	\$1.35

### Mini Plug to Mini Plug

<b>Model 95-540.</b> 6-ft dubbing cable. Molded construction with gold ends .....	\$1.68
<b>Model 95-530.</b> As above, without gold ends .....	\$1.35

## J.A. MICHELL

### Big Mother Speaker Terminals

Machined-brass, Rhodium-plated 5-way binding posts. Knurled knob; 1-in thread shaft fits cabinets up to 3/4-in thick; color coded; set of 4 .....	\$50
Gold plating .....	\$44

### Sure-Loc Banana Plugs

Machined brass; expanding pin locks into binding post hole; knurled knob; color coded; set of 4; rhodium plating .....	\$44
Gold plating .....	\$40

### Gold-Plated Banana Plugs

Machined brass; accepts wire up to 7.5 gauge; knurled knob; stackable; color coded; set of 4 .....	\$35
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### Gold-Plated Amp Terminals

Machined gold-plated brass; includes isolation washer, solder lug, and nuts; accepts up to 10 gauge wire; color coded; set of 4 .....	\$32
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### Gold-Plated Clip Adaptor Plugs

Allows speaker wire up to 10 gauge to be used with push-type connectors; color coded; set of 4 .....	\$28
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## JASCO

<b>HE 8881 Speaker Cable.</b> Features pure-copper strands; PVC insulation. 20 ft .....	\$15.59
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### Speaker Cable

Features design consisting of heavy-duty copper stranding and PVC insulation. 50 ft .....	\$33
20 ft .....	\$16

### Polarized design with clear insulation.

50 ft, 18 gauge .....	\$4.35
60 ft, 24 gauge .....	\$1.95
20 ft, 24 gauge .....	\$1.45



Jasco HE 8881

### Shielded design with 2 RCA plugs per end.

15 ft .....	\$3.35
6 ft .....	\$1.85

### Shielded design with RCA to RCA plug.

12 ft .....	\$1.70
6 ft .....	\$1.35

## Connectors and Adaptors

<b>Model 1289.</b> 6-ft Y-adaptor; one mini plug to 2 RCA plugs .....	\$1.95
<b>Model 1370.</b> Y-adaptor with 1 RCA plug to 2 RCA jacks .....	\$1.30
<b>Model 1371.</b> Y-adaptor with 2 RCA plugs to 1 RCA jack .....	\$1.30
<b>Model 1294.</b> Phone jack to mini plug .....	\$0.95
<b>Model 1295.</b> Mini jack to phone plug .....	\$0.95
<b>Model 1282.</b> Inline extension adaptor with RCA jack to RCA jack .....	\$0.85

<b>Model 1251 Headphone Adaptor Kit.</b> Includes 3 adaptors: stereo mini jack to mono mini plug, stereo phone jack to stereo mini plug, and stereo mini jack to stereo phone plug .....	\$2.35
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## JVC

### XN-700PRO Series Fiber-Optic Cable

3-layer protective structure and gold-plated center-pin connectors.

<b>XN-720PRO.</b> 2 m .....	\$150
<b>XN-710PRO.</b> 1 m .....	\$120
<b>XN-705PRO.</b> 1/2 m .....	\$100

### CN-700PRO Series Interconnect Cable

Features linear-crystal Class 1 OFC in conductors and plugs, nonmagnetic gold-plated RCA plugs, dual insulation, and 192-strand braided shield.

<b>CN-720PRO.</b> 2 m .....	\$110
<b>CN-710PRO.</b> 1 m .....	\$100
<b>CN-705PRO.</b> 1/2 m .....	\$90

### VX-700PRO Series Coaxial Digital Cable

Features linear-crystal Class 1 OFC in conductors and plugs, nonmagnetic gold-plated plugs, dual insulation, 192-strand braided shield, and 75-ohm impedance.

<b>VX-720PRO.</b> 2 m .....	\$70
<b>VX-710PRO.</b> 1 m .....	\$60
<b>VX-705PRO.</b> 1/2 m .....	\$50

### VX-100HG Series Coaxial Interconnect Cable

Features LC-OFCC copper nonmagnetic gold-plated plugs, and 75-ohm impedance.

# C A B L E S & C O N N E C T O R S

VX-150HG. 5 m	\$60
VX-130HG. 3 m	\$50
VX-120HG. 2 m	\$45
VX-110HG. 1 m	\$40
VX-105HG. 1/2 m	\$35

**CN-600HG Series Interconnect Cable**

*Features LC-OFC copper and nonmagnetic gold-plated RCA plugs.*

CN-650HG. 5 m	\$50
CN-630HG. 3 m	\$40
CN-620HG. 2 m	\$35
CN-610HG. 1 m	\$30

**VX-400HG Series Interconnect Cable**

*Features LC-OFC copper and non-magnetic 24-karat gold-plated RCA plugs.*

VX-420HG. 2 m	\$50
VX-410HG. 1 m	\$45
VX-405HG. 1/2 m	\$40

**XN-100HF Series Fiber-Optic Cable**

XN-120HF. 2 m	\$25
XN-110HF. 1 m	\$20

**KIMBER KABLE**

**Interconnect Cable**

**KCTG Silver Series.** Braided pure silver with proprietary Varistrand geometry. Choice of Ultraconnect phono or XLR connectors . . . \$650/m

**KCAG Silver Series.** As above, smaller braid geometry . . . \$350/m

**KC1.** Copper conductor with 3-wire braided Varistrand geometry. Choice of Ultraconnect phono or XLR connectors . . . \$76 m

**Speaker Cable**

8 AG. Pure silver; 16 conductors	\$180/ft
4 AG. Pure silver; 8 conductors	\$100/ft
8 TC. Copper; 16 conductors	\$7.80/ft
4 TC. Copper; 8 conductors	\$4.40/ft
8 VS. 16 conductors	\$3.50/ft
4 VS. 8 conductors	\$2.20/ft
8 PR. Premium copper	\$1.60/ft
4 PR. As 8PR, with smaller braid geometry	\$1/ft

**PowerKord Power Cable**

*For AC. Features braided design geometry; hospital-grade connectors; angled or straight plug; IEC or direct chassis connection. Custom lengths available.*

10 ft	\$175
8 ft	\$155
6 ft	\$135
4 ft	\$115

**Digital Interconnect Cable**

**AGDL Silver Series.** Pure silver cable. RCA or XLR connectors. \$25 prep fee/pr . . . \$150/m

**Fiber Optilink.** Toslink fiber-optic cable. Thermal isolation jacket. 1-m pr. . . \$50  
0.5-m pr . . . \$40

**Connectors**

**PostMaster.** Patented spade connector said to increase surface conductivity between speaker wire and 5-way binding posts. Available in 0.25- or 0.33-in sizes . . . \$20/pr

**Kimber Phono Connectors.** Constant dynamic pressure connectors. UltraPlate alloy for high conductivity. Phono plugs or chassis jacks . . . \$25/pr

**KLYNE AUDIO ARTS**

**Dragonfly Wings Interconnect Series**

*Shielded cable with RCA connectors.*

DWSh-1.5M. 1.5-m pr	\$575
DWSh-1.0M. 1-m pr	\$500
DWSh-0.5M. 0.5-m pr	\$425

*Standard cable with RCA connectors.*

DWS-1.5M. 1.5-m pr	\$525
DWS-1.0M. 1-m pr	\$450
DWS-0.5M. 0.5-m pr	\$375

*Balanced cable with Canon XLR connectors.*

DWB-1.5M. 1.5-m pr	\$525
DWB-1.0M. 1-m pr	\$450
DWB-0.5M. 0.5-m pr	\$375

*For digital applications; RCA connectors.*

DWD-1.5M. 1.5-m pr	\$270
DWD-1.0M. 1-m pr	\$225
DWD-0.5M. 0.5-m pr	\$175

**Speaker Wire and Connectors**

SWT-2. Music Plug termination; set of 8	\$240
SWQ-1. Quad conductor; 10 gauge	\$225
SWD-1. Dual conductor; 12 gauge	\$125
SWT-1. Copper spade; set of 8	\$120
PCM-1. RCA phono plug. 2 pk	\$60

**KOETSU**

*The following can be ordered in custom lengths.*

SF-10 Interconnect Cable. Shielded, 2-conductor cable with RCA plugs. 0.3 m-1.5 m	\$200-\$450
SF-20 Interconnect Cable. Shielded, single-conductor cable with RCA plugs. 0.3 m-1.5 m	\$188-\$350
Speaker Cable	\$17-\$87/ft

**MAXELL**

**Interconnect Cable**

XLS-112A-1.5. LC-OFC conductor with gold-plated RCA plugs; polyethylene insulator; braided shielding. 1.5 m	\$40
XLS-112A-1. As above, 1 m	\$35
XL-102A-1.5. LC-OFC conductor with gold plated RCA plugs; polyethylene insulator; LC-OFC copper shielding. 1.5 m	\$28
XL-102A-1. As above, 1 m	\$25
XL-SP. LC-OFC conductor with PVC insulator and shields. 20 ft	\$19.99
A-471. Gold plated-RCA; copper center; RF braided shield; PVC cable jacket; polypropylene insulator. 6 ft	\$18.99
A-470. As above, 3 ft	\$15.99
A-SW50. 18 gauge copper wire core. 50 ft	\$6.99

**MEMOREX**

Headphone Extension. 20-ft lightweight stereo extension cable	\$6
Y-Adaptor. Dual-headphone adaptor	\$3
Mono Adaptor. Mono adaptor for stereo headphones	\$2

**Great Connections Series**

Speaker Wire. 18 gauge. 100 ft	\$12.99
50 ft	\$6.99
25 ft	\$3.99
Headphone Extension Cord. Coiled phone jack and plug; 20 ft	\$7.99
Audio Patch Cable. Double pair. 6 ft	\$5.99
Stereo. 6 ft	\$3.99
3 ft	\$2.99
Mono. 6 ft	\$2.99
3 ft	\$1.99
Dual-to-Single Mini Jack Adaptor. Stereo	\$2.99
Interconnect Cable. RCA plug to RCA jack. 20 ft	\$2.99
Y Adaptor. 3 in	\$2.49
Mini Jack Adaptor. Adapts to stereo phone plug	\$1.99
Stereo-to-Mono Mini Plug Adaptor	\$1.79
Inline Connector. RCA to RCA	\$1.79

**MISSION**

Cyrus Speaker Cable. 0.95-mm solid-core OFC cable; polypropylene/polyurethane insulation	\$3/ft
Mission Speaker Cable. 690-strand OFC-copper cable; polypropylene insulation	\$2/ft

**MOGAMI**

W2941. 8-conductor speaker cable	\$3.98/ft
W2919. 6-conductor speaker cable	\$3.02/ft

W2921. 4-conductor speaker cable	\$2.67/ft
W2534. 4-conductor interconnect cable	\$0.55/ft

**Interconnect Cables**

2 RCA-to-RCA cables with gold-plated plugs.

RW-20. 20 ft	\$22
RW-15. 15 ft	\$18.63
RW-10. 10 ft	\$15.48
RW-06. 6 ft	\$11.88
RW-03. 3 ft	\$11.27
RW-01. 1 ft	\$10.14

1 RCA-to-RCA cable with gold-plated plugs.

RR-20. 20 ft	\$12.82
RR-15. 15 ft	\$10.93
RR-10. 10 ft	\$9.17
RR-06. 6 ft	\$7.68
RR-03. 3 ft	\$7.01
RR-01. 1 ft	\$6.43

**MONSTER CABLE**

**M Series Interconnect Cable**

**M Sigma 2000**

Features balanced-imp, multiconductor construction with MicroFiber; 12-cut Turbine connectors.

2 male RCA's to male XLR. 20-ft pr	\$1,700
2 male RCA's to male XLR. 2-m pr	\$1,100
2 male RCA's to male XLR. 1-m pr	\$950
Female XLR to male XLR. 20-ft pr	\$1,650
Female XLR to male XLR. 2-m pr	\$1,050
Female XLR to male XLR. 1-m pr	\$900
0.5 m-20-ft pr	\$675-\$1,500
With ground-control connection. 1-m pr	\$875

**M Series M1500**

Features balanced-imp design; 12-cut Turbine connectors.

0.5 m-6-m pr	\$450-\$980
With ground-control connection. 1-m pr	\$450

**M Series M1000 MkIII**

Phase-aligned bandwidth-balanced design with 12-cut Turbine connectors and MicroFiber insulator.

0.5 m-6-m pr	\$120-\$500
With ground-control connection. 1-m pr	\$235

**M Series M850**

Bandwidth-balanced construction with separate multiple-gauge Time Correct wire networks utilizing Iso-Tec insulator and 12-cut Turbine connector.

0.5 m-6 m	\$75-\$350
From spool	\$3.50/ft

**M Series M550**

As M850, 8-cut Turbine connector.

0.5 m-6 m	\$45-\$200
From spool	\$2.50/ft

**Interlink Interconnect Cable**

**Interlink Reference II**

3-wire multiple-gauge network for each conductor; Turbine connectors.

0.5 m-6-m pr	\$75-\$290
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**Interlink 800**

2 multiple-gauge, bandwidth-balanced wire networks. Features Isotec insulator and MicroFiber dielectric; 12-cut Turbine connectors.

0.5 m-6 m	\$60-\$280
From spool	\$6/ft

**Interlink 500**

Bandwidth-balanced construction; dual conductors with MicroFiber.

0.5 m-6 m	\$40-\$180
From spool	\$4/ft

**Interlink 400**

Bandwidth balanced with MicroFiber; 8-cut Turbine connectors.

0.5 m-6 m	\$30-\$93
From spool	\$1.60/ft

# C A B L E S & C O N N E C T O R S

### Interlink 400 Portable

Interlink 400 cable in special configuration for portable A/V components.  
0.75 m-1.5 m ..... \$30-\$40

### Interlink CD

1 m-6 m pr ..... \$30-\$76  
From spool ..... \$1.50/ft

### M Series Speaker Cable

#### M Sigma 2

Features balanced-imp; magnetic flux core, high-current capacity, and cold-weld solderless connection.  
Biwire, 20-ft pr ..... \$1,700  
8-20 ft ..... \$750-\$1,500/pr  
Biwire, 12-ft pr ..... \$1,200  
Biwire, 8-ft pr ..... \$950  
Bulk ..... \$35/ft

#### M1.5

Features balanced imp, MicroFiber technology, Magnetic Flux Tube construction, and solderless spade connector.  
8-25 ft ..... \$400-\$1,000/pr

#### M1

Features MicroFiber dielectric designed to reduce intertransient noise and transient interference; X-Terminators. Includes carrying case.  
4.5 m-9 m ..... \$400-\$650/pr  
From spool ..... \$10/ft  
With M-Spades ..... \$325-\$600/pr

#### M.75

Time Correct four-conductor cable featuring Multi Twist and IsoTec construction ..... \$5/ft

#### MCX-4

Four conductor cable featuring Multi Twist and IsoTec construction. Two time-correct conductors. \$3 ft  
MCX-2. As MCX-4, no blamping ..... \$1.50/ft

### Speaker Cable

#### Powerline II Plus

Features bass-control conductor for even distribution of magnetic fields and time-aligned signal.  
4.5 m-7.5 m ..... \$150-\$200/pr  
From spool ..... \$3.75/ft

#### Powerline III Plus

Smaller version of Powerline II Plus.  
Unterminated ..... \$2/ft

#### New Monster Cable

Multigauged separate high and low conductor networks for biwiring or biampifying; terminated with angled gold-plated connectors.  
3 m-15 m ..... \$40-\$150/pr  
From spool ..... \$1.50/ft

#### Original Monster Cable

Original Monster Cable with new strand configuration. Universal gold-plated connectors with lock-notch.  
4.5 m-15 m ..... \$35-\$125/pr  
From spool ..... \$1.25/ft

#### Superflex 2

Flat profile with wide center web for placement under carpets or along walls.  
From spool ..... \$1/ft

#### Monster XP

From spool ..... \$0.50/ft

### Connectors and Adaptors

#### Gold Pin Connectors

For push-pin terminal connections; 24-karat gold plating.  
M Series, 4-pk ..... \$10  
Regular, 4-pk ..... \$6

### Angled Gold Pin

60-degree angle to reduce stress between pin and cable; lock-notch design; OmniFlex connector.  
M Series, 4-pk ..... \$12  
Regular, 4-pk ..... \$8  
Mini, 4-pk ..... \$8

### Gold Spade Connectors

M Series, 4-pk ..... \$20  
Regular, 4-pk ..... \$10  
Mini, 4-pk ..... \$8

### Monster Tips

Gold-plated banana connector with 9 beryllium-copper leaf springs.  
M Series, 2-pk ..... \$14  
Regular, 2-pk ..... \$12  
Mini, 2-pk ..... \$12

### Precision Gold Banana Connectors

Solid-shaft design.  
Component series connector, 2-pk ..... \$100  
X-Terminator II, 2-pk ..... \$120  
X-Terminator, 2-pk ..... \$60  
Powerconnect 2, 2-pk ..... \$40

### Phonolink Precision Turbine-Cut RCA's

Fits Interlink Reference II interconnects ..... \$50/pr  
Fits Interlink 500 interconnects ..... \$35/pr  
Fits Interlink 400 interconnects ..... \$28/pr  
Fits M850 interconnects ..... \$20  
Fits M550 interconnects ..... \$15

### Phonolink Precision Gold RCA Connectors

Fits Interlink 300, Interlink 301, and Interlink CD.  
Phonolink 300, 2-pk ..... \$8

### Phonolink Right-Angle Turbine RCA Connector

Fits Interlink 500, Interlink 400, and Interlink 300 interconnect cables ..... \$20/pr

### Turbine Y Adaptor

Male-to-two female RCA y-adaptor; 24-karat gold plating ..... \$20/pr

### Right-Angle RCA Adaptor

Male-to-female RCA adaptor with 90-degree bend; 24-karat gold plating ..... \$12/pr

### Crimp Rings

M Series ..... \$0.20  
Regular ..... \$0.10

### Cable Pants

M1 ..... \$2/pr  
Powerline 2 Plus ..... \$1/pr  
Powerline 3 Plus ..... \$1/pr

## MSB TECHNOLOGY

*The following are individually evaluated and hand made.*

**Interconnect Cables.** Designed to handle high energy, fast transients without phase smearing or dynamic coloration; inductance 0.3 µH/ft; capacitance 80 pF/ft. 3 ft ..... \$300  
Each additional foot ..... \$100

### Speaker Cables

*The following have 0.01 ohms/ft resistance.*  
10 ft ..... \$1,200  
5 ft ..... \$600

## MUSEATEX

**Musetax Crypton Speaker Cable.** Cryogenically treated to improve conductivity; made from individually insulated OFC wires; gold-plated connectors. Available in several lengths. 4-ft pr ..... \$350

**Musetax Crypton Interconnect Cable.** Cryogenically treated to improve conductivity; made from individually insulated OFC wires; gold-plated connectors. Available in several lengths. 3-ft pr ..... \$200

## NAIM

**NACA5 Speaker Cable.** Consists of two separate 4-mm square conductors ..... \$12.95/m  
**MA4MM.** Dual plug for above ..... \$14

## ORA

**OFX RCA-to-RCA Cable.** OFC with gold-plated, color-coded connectors. 1, 3, 12, 15, 20 ft ..... \$6.99-\$18

**Shielded OFC Cable.** For remote turn-on applications. Copper cable with gold-plated connectors. Various lengths, starting at ..... \$14.95

**UFG-12 Ultra-Shielded 75-Ohm Cable.** Gold-plated F-to-F screw-on connectors. 12 ft ..... \$14.50  
UFG-9. 9 ft ..... \$12.50

**90° RCA Connector.** Gold-plated screw lock \$11.95

**SQGDUB3 A/V Cable.** Stereo-to-stereo. Color-coded RCA connectors. 9 ft ..... \$11.95  
**SQGDUB6.** As above, 9 ft ..... \$10.95  
**SQGDUB9.** As above, 3 ft ..... \$8.95

**BNX18.** Gold-plated banana plugs ..... \$10.95

**RMFGL90 A/V Connector.** 90°; standard size. 24-karat gold-plated RCA plug ..... \$10.45  
**RMFGS90.** As above, smaller ..... \$10.45  
**RMG290.** 90° 24-karat gold-plated RCA plug ..... \$4.05  
**RFG248.** 24-karat gold-plated RCA jack ..... \$2.99  
**RMG249.** 24-karat gold-plated RCA plug ..... \$2.99

**SQ-HS-6 Stereo Cable.** Back-to-back, male-to-female. 6 ft ..... \$8.95

**BNA90-2 Banana Plug Set.** Thumb-screw locking system; electroplated 24-karat gold-plating. Up to 8-gauge wire ..... \$8.50

**ABB-6 BNC-To-BNC Cable.** 6 in ..... \$7.50  
**ABB-3.** As above, 3 in ..... \$6.50

**BND50-2 Dual-Banana Plug.** Gold plating ..... \$6.79

**A2R2LR-15 A/V Patch Cord.** 2 RCA to 2 right-angle RCA. 15 ft ..... \$6.50  
**A2R2LR-10.** As above, 10 ft ..... \$5.50  
**A2R2LR-4.** As above, 4 ft ..... \$3.50

**BNSA49 Single Banana Plug.** Color coded ..... \$3.99

**A2R2J-6F Dual RCA Extension Cord.** Male to female. 10 ft ..... \$3.99  
**A2RJ-10.** As above, 6 ft ..... \$3.45

**BFF-12 Screw-On F-To-F Cable.** 12 in ..... \$3.20  
**BFF-9.** As above, 9 in ..... \$2.70  
**BFF-6.** As above, 6 in ..... \$2.15  
**BFF-3.** As above, 3 in ..... \$1.90

**FPP-12 Push-On F-To-F Cable.** 12 in ..... \$3  
**FPP-9.** As above, 9 in ..... \$2.40  
**FPP-6.** As above, 6 in ..... \$1.95  
**FPP-3.** As above, 3 in ..... \$1.60

**ARR-12 RCA To RCA 75-Ohm Cable.** 12 in ..... \$2.75  
**ARR-9.** As above, 9 in ..... \$2.25  
**ARR-6.** As above, 6 in ..... \$1.75  
**ARR-3.** As above, 3 in ..... \$1.35

### RCA Adaptors

**RMFGS90.** 1 male, 1 female 90° short adaptor ..... \$10.45  
**RMFGL90.** As above, long ..... \$10.45  
**T2M1FC.** T-adaptor; 2 male, 1 female ..... \$8.95  
**T2F1MC.** T-adaptor; 1 male, 2 female ..... \$8.45  
**T3FG.** T-adaptor with 3 female jacks ..... \$6.95

### RCA Y Connectors

**APPG.** 2 plugs to 1 jack. Gold plating ..... \$3.60  
**PAAG1.** 2 jacks to 1 plug. Gold plating ..... \$3.60  
**PAA-1.** As above, nickel plating ..... \$1

# C A B L E S & C O N N E C T O R S

## PFANTONE

### Crankin Cable Series

2 RCA plugs to 2 RCA right-angle plugs on double shielded cable with clear jacket; gold-plated connectors.

CC17GL. 17 ft.	\$42
CC12GL. 12 ft.	\$37
CC6GL. 6 ft.	\$32
CC3GL. 3 ft.	\$29
CC1.5GL. 1.5 ft.	\$24
CC0.5GL. 0.5 ft.	\$23
Crankin Cable Connector. RCA-to-RCA coupler; non-magnetic, gold-plated material. 2-pk.	\$14

## PIONEER

### JLL-AP115T Fiber-Optic Cable

Features 3-layer construction; bundled quartz glass-fiber core; connector with metal ferrule.

## PORTLAND INSTRUMENTS

### Taperwire

Speaker wire 7/8-in wide single-sided tape.

Model 222R. 2-22 gauge	\$1.50/ft
Model 2224R. 2-24 gauge flat wire	\$0.58/ft
Model 218R. 2-18 gauge flat wire	\$0.44/ft

## PRISMA

### Speaker Cable

T.C. Time-compensated. Contains 3-sizes OFC/Litz wires. Softex PVC insulation. 7 1/2- to 20-ft.

\$183-\$445/pr

Dual-Channel Interconnect. 174-strand OFC center conductor with polyfoam insulation; Softex PVC outer jacket. Directional; marked with arrows. Gold-plated RCA plugs. 1/2 to 3 m.

Prisma 10. 7.5 gauge. 99.99% OFC; Softex PVC insulation. Directional; marked with arrows.	\$4.39/ft
Prisma 4. As above, 10 gauge	\$2.99/ft
Prisma 2.5. As above, 12 gauge	\$1.99/ft
SC-9. 99.99% OFC; polyethylene insulation. Directional; marked with arrows	\$0.99/ft

### Connectors

Gold-Plated RCA Plugs. Machined brass; split center pin; Teflon dielectric; non-magnetic brass shell. Color coded.

Gold-Plated RCA Chassis Jack. Machined brass; Teflon dielectric. Color coded.	\$13/pr
Gold-Plated Jumbo Spade Lugs. Brass. For up to 7.5-gauge speaker cable.	\$4
Gold-Plated Spade Lugs. Brass. For up to 10-gauge speaker cable.	\$1.25
Gold-Plated Pin Terminals. Brass. For up to 10-gauge cable.	\$1.25

## RADIO SHACK

### Interconnect Patch Cable

Model 42-2604. 4 phono plugs to 4 phono plugs in ribbon-type assembly. 3 ft.	\$16.95
Model 42-2603. 4 phono plugs to 4 phono plugs. 3 ft.	\$16.95
Model 42-2606. 2 phono plugs to 2 phono plugs. 12 ft.	\$14.95
Model 42-2605. As above, 6 ft.	\$11.95
Model 42-2601. 2 phono plugs to 2 phono plugs. Features strain relief at each end. 3 ft.	\$9.95
Model 42-2602. 2 phono plugs to 2 phono jacks. 3 ft.	\$9.95
Model 42-2355. 4 phono plugs to 4 phono plugs in ribbon-type assembly. 6 ft.	\$8.89
Model 42-2354. As above, 3 ft.	\$6.99
Model 42-2356. 1 phono plug to 1 phono plug. Features shielding to prevent hum and interference. 12 ft.	\$6.59
Model 42-2309. 4 separate cables, each with 1 phono plug to 1 phono plug	\$5.69
Model 42-2352. 1 phono plug to 1 phono plug. 6 ft.	\$4.39
Model 42-2351. As above, 3 ft.	\$3.89

Model 42-2353. 2 phono plugs to 2 phono jacks. 3 ft.

\$3.99

## RECOTON

### Interconnect Cable

AV 15. OFC conductor; gold-plated stereo connectors; 6 ft.	\$40
AV 14. As above, 3 ft.	\$25
AV 13. OFC conductor; gold-plated connectors; 6 ft.	\$25
AV 12. As above, 3 ft.	\$19.99
AC 21. Gold-plated stereo connectors; 6 ft.	\$17.99
AC 20. As above, 3 ft.	\$15.99

ACG 204. Gold-plated connectors; 17 ft.	\$11.29
ACG 144. As above, 12 ft.	\$9.49
ACG 72. As above, 6 ft.	\$7.49
ACG 36. As above, 3 ft.	\$6.79
ACG 18. As above, 1 1/2 in.	\$4.99

AC 220. 4 RCA to 4 RCA plugs; 6 ft.	\$8.99
AC 237. 2 RCA to 2 RCA plugs; 20 ft.	\$7.79
AC 236. As above, 10 ft.	\$5.39
AC 211. As above, 6 ft.	\$3.79
AC 224. As above, 3 ft.	\$3.49
AC 241. 2 RCA to 2 RCA plugs; piggyback jacks; 10 ft.	\$6.99
AC 240. As above, 6 ft.	\$6.49
AC 239. As above, 3 ft.	\$5.69
AC 223. RCA to RCA plug; 25 ft.	\$5.39
AC 202. As above, 10 ft.	\$3.29
AC 201. As above, 6 ft.	\$2.69
AC 200. As above, 3 ft.	\$2.09

### CD Interconnect Series

CD 17. 2 RCA to 2 RCA plugs with ground wire; gold-plated connectors; 20 ft.	\$32
CD 12. BOA connectors; 6-ft pr.	\$32
CD 13. As above, 3-ft pr.	\$27
CD 16. 2 RCA to 2 RCA plugs; gold-plated connectors; 10 ft.	\$26
CD 15. As above, 6 ft.	\$19.99
CD 14. As above, 3 ft.	\$16.99

### Extension and Adaptor Cables

ACW 346. Extension headphone cable; coiled; includes adaptors. 25 ft.	\$14.49
EG 44. Extension kit for stereo headphones; includes adaptors. 25 ft.	\$14.49
AC 302A. Extension cable; mini jack to mini stereo plug; includes phone-plug adaptor. 25 ft.	\$9.99
AC 302Bag. As above, without adaptor.	\$7.49
ACW 344. As above, 6 ft.	\$4.99
ACW 343. Mini plug to mini plug; 6 ft.	\$4.99
AC 305. As above, 4 ft.	\$2.39
ACW 337. 2 mini plugs to 2 RCA plugs; 6 ft.	\$4.59

AC 409. RCA plug to 5-pin DIN/4; 6 ft.	\$7.19
AC 226. RCA plug to jack; 10 ft.	\$2.99
AC 204. As above, 6 ft.	\$2.59
AC 205. RCA plug to mini plug; 6 ft.	\$2.69
AC 207. RCA plug to stripped, tinned ends.	\$2.19

### Speaker Cable

SW 1650. 16 gauge. 50 ft.	\$10.99
SW 18100. 18 gauge. 100 ft.	\$15.49
SW 1850. 18 gauge. 50 ft.	\$8.99
SW 1830. 18 gauge. 30 ft.	\$6.99
SW 5020. 20 gauge. 50 ft.	\$7.49
SW 100. 24 gauge. 100 ft.	\$7.19
SW 50. 24 gauge. 50 ft.	\$4.29
SW 25. 24 gauge. 25 ft.	\$2.69
SW 12. Spade connectors; 20 gauge. 25 ft.	\$4.09
SW 11. RCA plug connectors; 24 gauge. 40 ft.	\$4.09
SW 15. RCA plug to jack connectors; 24 gauge. 20 ft.	\$3.49
SW 10. RCA plugs; 24 gauge. 20 ft.	\$3.49
SW 9. As above, 10 ft.	\$2.69

### Magnum Series Speaker Cables

SW 1230SP. Includes connectors. 12 gauge; 30 ft.	\$38
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SW 1220SP. As SW 1230SP, 20 ft.	\$30
SW 1210SP. As above, 10 ft.	\$17.49

### Power Cable

AC 330. Polarized cord. For Panasonic portables.	\$3.99
AC 328. As above, for Sony.	\$3.99

### Y-Adaptor Cables

ACW 339. Mini plug to 2 RCA plugs. 6 ft.	\$5.39
ACW 333. Stereo mini plug to 2 mini stereo jacks.	\$5.39
AC 307. Stereo phone plug to 2 stereo phone jacks.	\$4.89
ACW 332. Phone stereo plug to 2 mini stereo jacks.	\$3.99
ACG Y 1. RCA female to 2 RCA male; gold-plated connectors.	\$3.99
ACG Y 2. 2 RCA female to RCA male; gold-plated connectors.	\$3.99
AC 320. Mini plug to 2 RCA plugs.	\$3.79
AC 230. RCA jack to 2 RCA plugs.	\$2.69
AC 212. RCA plug to 2 RCA jacks.	\$2.59

### Connectors

C 1402-2. RCA in-line plug; chrome plating. 1 pr.	\$3.49
C 1517. Connector, RCA jack to RCA jack.	\$2.99
C 1506. Connector.	\$2.49
C 1518. Adaptor; RCA plug to mini jack.	\$2.49
C 1513. Adaptor; RCA jack to mini plug.	\$2.49
C 1403-3. RCA in-line jack; chrome plating. 1 pr	\$2.39

## SIGNET

### Speaker Cable

MLA-500. Multiple-strand OFC.	\$1.15/ft
MLS-1000. Multiple-strand ofc.	\$3.35/ft
HT18. 18 gauge.	\$16/ft

### Interconnect Cables

AT6D51/1.0. Quartz fiber-optic cable; ceramic/polyethylene insulation; gold-plated connectors. 1-m length.	\$200
AT6A52/1.0. Ceramic/polyethylene insulation; PC-occ dual-center conductors; unidirectional ground configuration; solid PC-occ RCA plug connector. 1-meter pair.	\$175

MTU. High-density PC-occ braided shield; gold-plated-brass RCA connectors. 6-ft pr.	\$150
3-ft pr.	\$125
1 1/2-ft pr.	\$100

MTP. PC-occ conductor; OFC braided shield; gold-plated RCA connectors. 6-ft pr.	\$85
3-ft pr.	\$70
1 1/2-ft pr.	\$60

MTA. OFC conductors and braided shield; gold-plated RCA connectors. 6-ft pr.	\$57
3-ft pr.	\$45
1 1/2-ft pr.	\$40

MTS. OFC conductors; gold-plated RCA connectors; braided shield. 12-ft pr.	\$48
6-ft pr.	\$36
3-ft pr.	\$30
1 1/2-ft pr.	\$27
MTS-300. Bulk per ft.	\$1

MTB. Pure copper, multiple-strand center conductors; braided shield; gold-plated RCA connectors. 16-ft pr.	\$22
6-ft pr.	\$18
3-ft pr.	\$15

### Stereo A/V Interconnect Cables

VK312. Audio cable with pure copper, multiple-strand center conductors; braided shield; gold-plated RCA connectors. 75-ohm coaxial video cable. 12-ft set.	\$37
6-ft set.	\$30
3-ft set.	\$25

# C A B L E S & C O N N E C T O R S

## SILTECH

*The following are made of pure silver.*

### Interconnect Cable

<b>MC4-120.</b> Includes WBT 0150 connectors. Red/blue. 1/2-m pr .....	\$920
Each additional 1/2-m .....	\$770
<b>MC4-80.</b> Includes WBT 0150 connectors. Blue. 1/2-m pr .....	\$800
Each additional 1/2-m .....	\$650
<b>MC4-56.</b> Includes WBT 0101 connectors. Red. 1/2-m pr .....	\$375
Each additional 1/2-m .....	\$250
<b>MC4-24.</b> Includes WBT 0101 connectors. White. 1/2- m pr .....	\$250
Each additional 1/2-m .....	\$125

### Speaker Cable

<b>FT-12.</b> Includes spade lugs. 1-m length .....	\$525
Each additional m .....	\$475

### Coaxial Digital Cable

<b>HF-6.</b> Includes WBT 0101 connector. 1-m length (mono) .....	\$175
Each additional m .....	\$110

## SIMPLY PHYSICS

### Analog Interconnect Cable

<b>WaveWire.</b> Pure-copper cable; pure-silver soldered- terminals; silver plating; Teflon dielectric. RCA or XLR jacks. 1 m .....	\$295
Additional 0.5 m .....	\$50

### Coaxial Digital Interconnect Cable

*All cables are fully-shielded with 75-ohm imp.*

<b>Byteline 111.</b> Foamed-Teflon dielectric. Rhodium- plated-copper RCA jacks. 1 m .....	\$200
Additional 0.5 m .....	\$100
<b>Byteline 101.</b> Teflon-dielectric insulation. Neutrix gold-plated XLR's. 1 m .....	\$150
Additional 0.5 m .....	\$70
<b>Byteline 001.</b> Solid-copper inner conductor; foamed- Teflon dielectric. BNC, RCA, or F connectors. 1 m \$100	
Additional 0.5 m .....	\$30
<b>Littlebit 100.</b> Ferrite rings. 1 m .....	\$60
Additional 0.5 m .....	\$15

### Powerpath Speaker Cable

<i>Features silver-soldered, pure-copper cable; gold- or silver-plated-copper lugs; Teflon dielectric.</i>	
<b>PTF-1.</b> 9 gauge .....	\$30/ft
<b>PTF-2.</b> 6 gauge .....	\$75/ft

## SONY

<b>POC-15.</b> Fiber-optic Toslink digital cable. 1.5 m \$35
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## SOUNDSTREAM

### SL-1 Silver-Teflon Interconnect Cable

<i>Utilizes 2 silver-coated 22-gauge fine-stranded cen- ter conductors; OFC; nitrogen-filled Teflon dielectric coating; 24-karat-gold plated RCA connectors. 0.5-2 m .....</i>	\$36/pr-\$60/pr
<b>Bulk</b> .....	\$2/ft

### DL-1 Dual Interconnect Audio Cable

<i>Features oxygen-free copper with multiple fine- strand center conductor; polyethylene dielectric coat- ing; polyvinyl-chloride jacket; 24-karat-gold-plated RCA connectors. 0.5-5 m .....</i>	\$28/pr-\$60/pr
<b>Bulk</b> .....	\$1.25/ft

### Speaker Cable

<b>Speaker 120.</b> 12 gauge .....	\$0.75/ft
<b>Speaker 160.</b> 16 gauge .....	\$0.40/ft

## STINGER

### AAMP In-Wall Speaker Cable

*Features jacket with ft markers.*

<b>AW12ACL3.</b> 12 gauge; 4 conductors; CL3 rated. orange. 500 ft .....	\$500
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<b>AW122CL3.</b> 12 gauge; 2 conductors; CL3 rated, green. 1,000 ft .....	\$330
<b>AW164CL3.</b> 16 gauge; 4 conductors; CL3 rated, yellow. 500 ft .....	\$320
<b>AW162CL3.</b> 16 gauge; 2 conductors; CL3 rated, blue. 1,000 ft .....	\$200
<b>ARW22CL3.</b> 22 gauge; violet. 1,000 ft .....	\$140

## STRAIGHT WIRE

### Interconnect Cables

<b>Maestro.</b> Microporous foam Teflon dielectric; models BMI for balanced and MSI for unbalanced applica- tions; clear jacket over pearlescent white polymer fiber braid. 1-m pr .....	\$270
Additional m-pr .....	\$160
<b>Rhapsody.</b> Star quad geometry with individually in- sulated strands, blue braid covered with clear jacket. 1-m pr .....	\$150
Additional m-pr .....	\$60
<b>Encore.</b> Symmetrical twin-axial design using individ- ually insulated OFC strands and Teflon insulation; red textile braid jacketed with clear PVC; balanced- line ready. 1-m pr .....	\$90
Additional m-pr .....	\$40
<b>Laser-Link.</b> Low density Teflon and polymer coated OFC strands in symmetrical coaxial design; teal blue jacket and gold phono plugs. 1-m pr .....	\$59
Additional m-pr .....	\$28
<b>Flexconnect.</b> Coaxial employing high coverage OFC conductors and solid Teflon insulation; red PVC jacket with gold phono plugs. 1-m pr .....	\$39
Additional m-pr .....	\$12
<b>Musicable.</b> Star quad design with oxygen-free cop- per; shielded coverage; navy PVC jacket and gold plugs. 1-m pr .....	\$28
Additional m-pr .....	\$8

### Coaxial Digital Cable

<b>Mega-Link.</b> Foam Teflon insulation and individually insulated silver composite strands; available with gold RCA, bayonet-coupling, or F connectors. Per meter length .....	\$120
Additional meter length .....	\$70
<b>Silver-Link.</b> 75-ohm coaxial with silver-plated OFC conductors and polyethylene foam dielectric. Per meter length .....	\$44
Additional meter length .....	\$14
<b>Video-Link.</b> High resolution digital cable with black jacket and gold plugs; BNC, F or other ends. Per meter length .....	\$22
Additional meter length .....	\$7

### Speaker Cables

<b>Maestro.</b> Symmetrical 9-gauge per polarity coaxial; 3/8-in diameter with polymer coated conductors. 10-ft pr .....	\$680
Per bulk ft. ....	\$30
<b>Rhapsody.</b> Individually insulated strands; 1/2-in di- ameter with blue textile braid. 10-ft pr .....	\$360
Per bulk ft. ....	\$15
<b>Encore.</b> Symmetrical coaxial; 12 gauge per polarity with individually insulated strands and foam Teflon insulation; red textile braid with 3/8-in diameter. 10-ft pr .....	\$200
Per bulk ft. ....	\$8
<b>Laser-8.</b> OFC conductors insulated with polypropyl- ene in helical array; 12 gauge; teal blue; for biwiring. 10-ft pr .....	\$100
Per bulk ft. ....	\$4
<b>Flex-4.</b> 4 polypropylene-coated OFC conductor groups totaling 13 gauge per polarity; for biwiring. 10- ft pr .....	\$55
Per bulk ft. ....	\$2
<b>Waveguide-3.</b> 16 gauge; UL/CL-2-rated in-wall ca- ble available in assorted colors and configurations for various installations .....	\$1.20/ft
<b>WG-2.</b> As above, 18 gauge .....	\$0.95/ft
<b>WG-1.5.</b> As above, 16 gauge .....	\$0.75/ft

## SYMDEX

### Speaker Cable

*Features solid-core, 24-gauge OFC conductors insu-  
lated with Teflon.*

<b>Omega</b> .....	\$28/ft
<b>Beta</b> .....	\$14/ft
<b>Alpha</b> .....	\$7/ft

## TARA LABS

### Speaker Cable

<b>Rectangular Solid Core</b>	
12 ft .....	\$1,170/pr
10 ft .....	\$990/pr
8 ft .....	\$810/pr
6 ft .....	\$630/pr
4 ft .....	\$450/pr
Each additional ft .....	\$45

### Temporal Continuum

*Prices include 1 pair of temporal controllers, Tara  
Labs termination charges, and an instructional com-  
pact disc.*

12 ft .....	\$602/pr
10 ft .....	\$534/pr
8 ft .....	\$466/pr
6 ft .....	\$398/pr

### Classic Series

#### Digital Master

2 m .....	\$990
1.5 m .....	\$795
1 m .....	\$595
Each additional meter .....	\$395

#### Digital Reference

2 m .....	\$310
1.5 m .....	\$255
1 m .....	\$195
0.6 m .....	\$180

### Interconnect Cable

#### Temporal Continuum

2 m .....	\$635/pr
1.5 m .....	\$515/pr
1 m .....	\$395/pr
0.6 m .....	\$320/pr
Each additional meter .....	\$240

#### Prism

2 m .....	\$47/pr
1.5 m .....	\$39/pr
1 m .....	\$29/pr
Each additional meter .....	\$18

### Quantum Series

#### Quantum Studio

2 m .....	\$490/pr
1.5 m .....	\$392/pr
1 m .....	\$295/pr
0.6 m .....	\$275/pr
Each additional meter .....	\$195

#### Quantum Reference

2 m .....	\$405/pr
1.5 m .....	\$328/pr
1 m .....	\$250/pr
0.6 m .....	\$230/pr
Each additional meter .....	\$195
XLR connectors .....	\$28

#### Quantum IV

2 m .....	\$290/pr
1.5 m .....	\$232/pr
1 m .....	\$175/pr
0.6 m .....	\$155/pr
Each additional meter .....	\$115
XLR connectors .....	\$28

#### Quantum III

2 m .....	\$162/pr
1.5 m .....	\$132/pr
1 m .....	\$98/pr
0.6 m .....	\$79/pr
Each additional meter .....	\$65

# C A B L E S & C O N N E C T O R S

**Quantum II**

2 m	\$139/pr
1.5 m	\$99/pr
1 m	\$79/pr
0.6 m	\$64/pr
Each additional meter	\$60

**Quantum I**

2 m	\$110/pr
1.5 m	\$88/pr
1 m	\$65/pr
0.6 m	\$48/pr
Each additional meter	\$45

**Quantum CD**

2 m	\$79/pr
1.5 m	\$65/pr
1 m	\$49/pr
0.6 m	\$39/pr
Each additional meter	\$33

### TDK

CA-QL301-1.5. Interconnect cable, 5 ft	\$82
CA-QL301-1.0. As above, 3.3 ft	\$76
CA-QL601-3.0. Speaker cable, non-terminated; 10 ft	\$70

### TIFFANY

**Interconnect Cables**

**TIC-10.** High-gloss black PVC jacket with stranded silver-plated OFC copper-center conductor; 6 wires wrapped around non-conducting center core. Terminated with Jade-7B connectors. 1-m pr \$198

**TIC-5.** As above, dielectric. Terminated with CX-7B OFC connectors. 1-m pr \$130

**Power Cords**

**TPC-60T.** 12C multi-stranded, glossy-black PVC jacket. Foil-shielded and drain wire to eliminate RFI and EMI. 3-prong male plug with IEC-320 \$125

**TPC-60S.** As above without IEC-320 \$100

**TPC-40.** 37 strands of copper, glossy-maroon polyvinyl-chloride jacket. Foil shielded and drain wire to eliminate radio-frequency and electromagnetic interference. 3-prong male plug with IEC-320 \$80

### TRANSPARENT

**Speaker Cable**

**MusicWave Reference.** Spade to spade, 3-25 ft \$3,100-\$4,550/pr

**MusicWave Ultra.** Spade connector to spade connector, 3-25 ft \$1,800-\$2,850/pr

**MusicWave Super.** Spade connector to spade connector, 3-25 feet \$900-\$1,850/pr

**MusicWave Plus.** Spade connector to spade connector, 3-25 feet \$390-\$875/pr

**MusicWave.** Spade to spade, 3-25 ft \$200-\$615/pr

**Zapchord.** Pin to banana, 8-25 ft \$150-\$335/pr

**Musichord.** Pin to pin, 8-25 ft \$90-\$175/pr

Adaptors for Zapchord and Musichord \$12-\$30

**Interconnect Cable**

The following are sold in 3-25 foot lengths.

Balanced MusicLink Reference.	\$3,000-\$3,650
MusicLink Reference.	\$1,700-\$3,000
Balanced MusicLink Ultra.	\$1,500-\$2,150
MusicLink Ultra.	\$750-\$1,220
Balanced MusicLink Super.	\$800-\$1,450
MusicLink Super.	\$400-\$985/pr
Balanced MusicLink Plus.	\$400-\$985
MusicLink Plus.	\$200-\$525/pr
Balanced MusicLink.	\$119-\$580/pr
MusicLink.	\$115-\$335/pr
Musichord.	\$65-\$260/pr
Zapchord.	\$40-\$170

### VAMPIRE WIRE

**Connectors and Adaptors**

**BP-1.** Binding post. Silver- and gold-plated brass. Includes mounting blocks. 2 pr \$30/set

**XOFC.** Male RCA's, single solder connection; RF

shielding. For cable 4-9.3 mm in diameter... \$25/pr

**P558.** Gold-plated banana plug solder or screw connection. Includes color-coded caps. For up to 8-gauge cable. 2 pr pack \$23

**Y.** adaptor. 1 male to 2 female; Teflon dielectric with deep contact tube. Gold plating \$20/pr

**Model 90A.** Right-angle adaptor. Teflon dielectric with deep contact tube. Gold plating \$16.95/pr

**PM2F.** Female RCA chassis-mount connectors. Silver- and gold-plated brass. Teflon dielectric. Outside mount \$12/pr

Inside mount \$15/pr

**DF.** Double female coupler; Teflon dielectric and 1-piece contact tube. Gold plating \$14.95/pr

**PPP7.** Gold-plated, black-barrel, phono plug. For up to 6.5-mm diameter cable \$14.95/pr

**PSO.** 4% silver solder \$9.95/oz

**LRCAT.** Gold-plated locking male RCA connector. For cables from 5-7 mm in diameter \$20 or

**LRCAB.** As above, for 8 mm cable \$22/or

**X Series.** Gold-plated male cable RCA's. Single solder connection. RF shielding. For cable 4-9.3 mm in diameter \$14.95-16.95/pr

**Model 557.** Gold-plated male RCA. Heavy-duty ground crown \$9.95/pr

**Model 582.** Gold-plated female RCA. For 5 mm diameter cable with strain-relief spring and 7 mm cable without spring \$9.95/or

**SB.** Gold-plated banana plugs. Single plug for cable up to 6 gauge. Stackable for biwiring, 2 pr \$25

**DB.** Gold-plated banana plugs. Double plugs for cable up to 6 gauge. Will fit standard 3/4-in binding post spacing \$30/set

**B12.** Gold-plated banana plugs. Designed to crimp onto cables. Color coded caps. Accepts up to 10 gauge cable. Solder notch provided. 2 pr \$9.95

**Interconnect Cable**

**Pure Silver Twin Axial Interconnect**

Twin 22-gauge polyethylene dielectric internal conductors; continuous foil and silver-plated copper braid shields; matte finish 105° PVC outer jacket; terminated with OFC RCA's. 1/2-7 m \$250-1,450

**SC Series IV Quad Balanced Interconnect**

Quad construction balanced cable. 4 symmetrical Internal 41-strand silver-clad OFC with polyethylene foam dielectric. Continuous foil and braided shields; PVC jacket. Terminated with LRCAB's. Available in lengths from 1/2-7 m \$110-305

50, 100, and 250 ft spools \$10/ft

**SC Series II Twin Axial Interconnect**

Balanced cable with 63-strand silver-clad OFC. Polyethylene foam dielectric center conductors. Internal conductors encased in molded foam. PVC jacket. Terminated with LRCAB's. 1/2-7 m \$75-175/pr

50-, 100-, or 250-ft spool \$6/ft

**Vampire Wire CC Series II Interconnect**

Balanced design with 41-strands copper conductors. Braid and continuous foil shielded. Available in lengths from 0.5-7 m \$40/pr-\$105/pr

**Vampire Wire CC Series Interconnect**

Coaxial design with 20-gauge, 154-strand copper conductor. Braided copper shield. Available in lengths from 0.5-7 meters \$18/pr-\$60/pr

**Speaker Cable**

**Model 2100C.** 10-gauge wire with 1,050 strands OFC/conductor \$1.95/ft

**Model 826C.** 12-gauge wire with 413 strands OFC/conductor \$0.95/ft

**Model 210C.** 16-gauge wire with 105 strands OFC/conductor \$0.55/ft

**Baby Bat.** 18-gauge wire with 41 strands OFC/conductor \$0.20/ft

**Sound Tube ST.** 8-gauge parallel 1,400 strands OFC/conductor, each with nonconductive core. 105° C PVC outer jacket; antioxidant compounds \$8.95/ft

**SC-554.** Parallel cable; 277 strands OFC/conductor \$3.95/ft

**SC-384.** Flat parallel cable; 192 strands OFC/conductor \$2.95/ft

### VAN DEN HUL

**Interconnect Cable**

The following are available in 0.5-7 meter pairs.

**MC Silver.** Coaxial cable featuring crystal-stranded, silver-clad-copper center conductor; tape-wound dielectric; braided and silver-plated-copper ribbon shield \$1,360-\$11,700

**MC Gold.** Balanced cable with 2 matched crystal-stranded conductors of silver/gold-clad copper; braided and continuous-foil shield \$400-\$3,920

**Thunder Line.** Balanced cable with 2 matched crystal-stranded conductors of silver-clad copper. Braided shield \$180-\$1,335

**D-102 MkIII.** Balanced cable with 2 matched crystal-stranded conductors of silver-clad copper. Braided and continuous-foil shield \$100-\$500

**D-300 MkIII.** Coaxial design with solid 22-gauge center conductor. Conductors are crystal-stranded and silver-clad copper; braided and continuous-foil shield \$72-\$245

### VECTEUR

**CV-50 Speaker Cable.** 6 solid-core OFC conductors bound in triples, laid side by side \$4/ft

**CV-30 Speaker Cable.** 4 isolated solid-core OFC conductors, spiral wound \$3/ft

**CV-20 Speaker Cable.** Spiral wound pair of solid core OFC conductors \$2/ft

### WBT

**WBT-0401 Crimpset.** Plastic case with crimping tool, screwdriver, and assortment of strand-end sleeves \$145

**WBT-0440.** Crimping tool \$64

**WBT-0410.** 50 sleeves, 10 mm \$21

**WBT-0413.** 3 x 50 sleeves, 0.5/0.75/1 mm \$19.50

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708-498-4648

**Jasco**  
311 N. W. 122nd St.  
Oklahoma City, OK 73114  
800-654-8483

**JBL**  
240 Crossways Park W.  
Woodbury, NY 11797  
516-496-3400

**JCB**  
7239 Valley St.  
Dalton Gardens, ID 83814  
208-772-9207

**Jecklin**  
(see May Audio Marketing)

**Jeff Rowland**  
Box 7231  
Colorado Springs, CO 80933  
719-473-1181

**Jensen**  
25 Tri-State Intl. Office Ctr.  
Lincolnshire, IL 60069  
800-323-0707

**Joseph Audio**  
2 Pine Ridge Rd.  
White Plains, NY 10603  
914-347-7917

**Joseph Grado Signature**  
921 Tice Pl.  
Westfield, NJ 07090  
908-233-5893

**JPW** (see Audiophile Systems)

**JRM**  
3716 Broadway N.E.  
Knoxville, TN 37917-3120  
615-688-6501

**JS Audio**  
643 Speedwell Ave.  
Morris Plains, NJ 07950  
201-292-2799

**JVC**  
41 Slater Dr.  
Elmwood Park, NJ 07407  
201-794-3900

**KBA**  
256 Commercial Dr., Ste. 471  
Peachtree City, GA 30269  
404-487-5887

**KEF**  
1701 Touchstone Rd.  
Colonial Heights, VA 23834  
804-520-7200

**Kenwood**  
Box 22745  
Long Beach, CA 90801-5745  
213-639-9000

**Kevro**  
Box 1355  
Buffalo, NY 14205  
416-428-2800

**Kimber Kable**  
2752 S. 1900 West  
Ogden, UT 84401  
800-223-4039

**Kinergetics**  
Box 4839  
Chatsworth, CA 91313-4839  
213-582-9349

**Kinetic Audio**  
Box 215  
Arlington Heights, IL 60006  
312-625-9322

**KLH**  
11131 Dora St., Box 1085  
Sun Valley, CA 91352  
213-875-0480

**Klipsch**  
Box 688  
Hope, AR 71801  
501-777-6751

**Klyne Audio Arts**  
828 7th Ave. S.E.  
Olympia, WA 98501  
206-943-5420

**Knoll**  
#123-11860 Hammersmith  
Richmond, British Columbia  
Canada V7A 5G1  
604-272-4555

**Koetsu**  
712 S. Military Trail  
Deerfield, FL 33442  
305-698-6102

**Kort**  
3646 Lyndale Ave. N.  
Minneapolis, MN 55412-2163  
612-522-0340

**Koss**  
4129 N. Port Washington Ave.  
Milwaukee, WI 53212  
414-964-5000

**Krell**  
35 Higgins Dr.  
Milford, CT 06460  
203-874-3139

**Lancer**  
12340 McCann Dr.  
Santa Fe Springs, CA 90670  
310-941-3509

# D I R E C T O R Y O F M A N U F A C T U R E R S

**Lantana**  
 Box 1958  
 Garden Grove, CA 92642-1958  
 714-530-4993

**Laserline** (see **Creative Point**)

**Lasonic**  
 1827 W. Valley Blvd.  
 Alhambra, CA 91803  
 818-281-3957

**Last Factory**  
 2015 Research Dr.  
 Livermore, CA 94550  
 510-449-9449

**Lazarus**  
 8130 Coldwater Canyon  
 N. Hollywood, CA 91605  
 818-982-6477

**Lebo**  
 33 West St.  
 Bloomfield, NJ 07003  
 201-429-8600

**Lenbrook**  
 633 Granite Ct.  
 Pickering, Ontario  
 Canada L1W 3K1  
 416-831-6333

**Lexicon**  
 100 Beaver St.  
 Walltham, MA 02154  
 617-736-0300

**Lift Display**  
 115 River Rd.  
 Edgewater, NJ 07020  
 800-543-8269

**Linaeum**  
 1238 N.W. Glisan, Ste. 404  
 Portland, OR 97209  
 503-222-5138

**Linn**  
 (see **Audiophile Systems**)

**Lloyd's**  
 6500 W. Cortland St.  
 Chicago, IL 60635  
 312-889-0319

**Loran**  
 2715 Pennsylvania Ave. W.  
 Warren, PA 16365  
 800-633-0455

**LRS Electronics**  
 7 Kelsey Rd.  
 Lee, NH 03824  
 603-659-5335

**Luxman**  
 19145 Gramercy Pl.  
 Torrance, CA 90501  
 310-326-8000

**Lynn's Corporation**  
 1195 Mahalo Pl.  
 Compton, CA 90220  
 310-635-8878

**Madison Fielding**  
 200 William St.  
 Port Chester, NY 10573  
 914-939-4600

**Madrigal**  
 Box 781, 2081 S. Main St.  
 Middletown, CT 06457  
 203-346-0896

**Per Madsen**  
 Box 330101  
 San Francisco, CA 94133  
 415-928-4509

**Magnavox** (see **Philips**)

**Magnepan**  
 1645 Ninth St.  
 White Bear Lake, MN 55110  
 612-426-1645

**Magnum Dynalab**  
 6509 Transit Rd., H-1  
 Bowmansville, NY 14026  
 716-684-0460

**Magtone**  
 (see **Lynn's Corporation**)

**M&C Speakerworks**  
 Box 151082  
 San Diego, CA 92175  
 619-281-6463

**M&K** (see **Miller & Kreisel**)

**Marantz**  
 1150 Feehanville Dr.  
 Mount Prospect, IL 60056  
 708-299-4000

**Marchand**  
 1334 Robin Hood Ln.  
 Webster, NY 14580  
 716-265-4930

**Mark Levinson** (see **Madrigal**)

**John Marovskis**  
 2889 Roebling Ave.  
 Bronx, NY 10461  
 212-892-7419

**Marshall**  
 Box 2027, Culver City, CA 90230  
 213-390-6608

**Martin-Logan**  
 2001 Delaware St.  
 Lawrence, KS 66046  
 913-749-0133

**Maston**  
 6416 Via Amigos  
 San Jose, CA 95120  
 408-268-8209

**Maxell**  
 22-08 Route 208 S.  
 Fair Lawn, NJ 07410  
 201-794-5900

**May Audio Marketing**  
 Box 1048, 76 Main St.  
 Champlain, NY 12919  
 518-298-4434

**MB Quart**  
 25 Walpole Park S.  
 Walpole, MA 02081  
 508-668-8973

**Mcintosh**  
 2 Chambers St.  
 Binghamton, NY 13903-2699  
 607-723-3512

**McNeill** (see **Tri-State Loudspeaker**)

**Melody Audio**  
 1940 Blake St., Ste. 101  
 Denver, CO 80202  
 303-295-3100

**Melos**  
 723 Bound Brook Rd.  
 Dunellen, NJ 08812  
 908-968-4748

**Memorex**  
 Box 901021  
 Fort Worth, TX 76101  
 817-878-6700

**Meridian** (see **KEF**)

**Merlin**  
 Box 146  
 Hemlock, NY 14466  
 716-262-4310

**Merrill Audio**  
 2125 Central Ave.  
 Memphis, TN 38104  
 901-272-1410

**Meta Research** (see **International Audio Technologies**)

**MFA Pure Tube**  
 2518 Seaboard Ave.  
 San Jose, CA 95131  
 408-954-8787

**Middle Atlantic**  
 8 N. Corporate Dr.  
 Riverdale, NJ 07457  
 201-839-1011

**Miller & Kreisel**  
 10391 Jefferson Blvd.  
 Culver City, CA 90232  
 213-204-2854

**Mirage** (see **Audio Products International**)

**Mirror Image Audio**  
 651 Charlesgate Circle  
 E. Amherst, NY 14051  
 716-688-2988

**Mission**  
 400 Matheson Blvd. E. #31  
 Mississauga, Ontario  
 Canada L4Z 1R5  
 416-507-0777

**Mitsubishi**  
 5757 Plaza Dr., Box 6007  
 Cypress, CA 90630-0007  
 714-220-2500

**Mobile Fidelity**  
 105 Morris St.  
 Sebastopol, CA 95472  
 800-423-5759

**Modern Audio Consultants**  
 112 Swanhill Ct.  
 Baltimore, MD 21208  
 410-486-5975

**Mod Squad**  
 542 N. Highway 101  
 Leucadia, CA 92024-0965  
 619-436-7666

**Mogami** (see **Marshall**)

**Monarchy Audio**  
 380 Swift Ave., Unit 21  
 S. San Francisco, CA 94080  
 415-873-3055

**Mondial Designs**  
 2 Elm St., Ardsley, NY 10502  
 914-693-8008

**Monitor Audio** (see **Kevro**)

**Monster Cable**  
 274 Watis Way  
 S. San Francisco, CA 94080  
 415-871-6000

**Mordaunt-Short** (see **TGI**)

**Morel**  
 414 Harvard St.  
 Brookline, MA 02146  
 617-277-6663

**Motif** (see **Conrad-Johnson**)

**MSB Technology**  
 Box 141  
 Moss Beach, CA 94038  
 415-728-5265

**MTX**  
 555 W. Lamm Rd.  
 Freeport, IL 61032  
 800-225-5689

**MTX Soundcraftsmen**  
 2200 S. Ritchey St.  
 Santa Ana, CA 92705  
 714-556-6191

**Muse**  
 Box 2198  
 Garden Grove, CA 92642  
 714-554-8200

**Museatex**  
 1829 54th St. S.E.  
 Calgary, Alberta  
 Canada T2B 1N5  
 403-273-2552

**Musical Concepts**  
 1832 Borman Ct. #1  
 St. Louis, MO 63146  
 314-275-4925

**Musical Design** (see **Musical Concepts**)

**Music & Sound Imports**  
 2381 Philmont Ave., Ste. 117  
 Huntingdon Valley, PA 19006  
 215-938-7671

**Music Hall**  
 108 Station Rd.  
 Great Neck, NY 11023  
 516-487-3663

**NAD** (see **Lenbrook**)

**Nady**  
 6701 Bay St.  
 Emeryville, CA 94608  
 510-652-2411

**Naim**  
 1748 N. Sedgwick St.  
 Chicago, IL 60614  
 312-944-0217

**Nakamichi**  
 19701 S. Vermont Ave.  
 Torrance, CA 90502  
 213-538-8150

**NEAR**  
 679 Lisbon Rd.  
 Lisbon Falls, ME 04252  
 207-353-7307

**Nestorovic Labs**  
 8307 N.E. 110 Pl.  
 Kirkland, WA 98034  
 206-821-0225

**NHT**  
 537 Stone Rd., Ste. E  
 Benicia, CA 94510  
 800-648-9993

**Nikko**  
 (see **AVS Technologies**)

**Nikkodo**  
 4600 N. Santa Anita Ave.  
 El Monte, CA 91731  
 818-350-3131

**Niles**  
 12331 S.W. 130th St.  
 Miami, FL 33186  
 305-238-4373

**Nippon**  
 210 Hanse Ave.  
 Freeport, NY 11520  
 516-623-7400

**Nordost Marketing**  
 420 Franklin St.  
 Framingham, MA 01701  
 508-879-1242

**Norman Laboratories**  
 1905 Atchison Dr.  
 Norman, OK 73069  
 405-321-3205

**NRG**  
 Box 389  
 Walled Lake, MI 48390

**NSM** (see **EuroSon**)

**OCM Technology**  
 (see **Magnum Dynalab**)

**Octave Research**  
 183-08 Camden Ave.  
 St. Albans, NY 11412  
 718-454-5739

**Ohm Acoustics**  
 241 Taaffe Pl.  
 Brooklyn, NY 11205  
 718-783-1111

**Omni Sound**  
 19020 Preston Rd.  
 Dallas, TX 75252-2445  
 214-964-6664

**Onkyo**  
 200 Williams Dr.  
 Ramsey, NJ 07446  
 201-825-7950

**Operations International**  
 Box 670234  
 Dallas, TX 75367-0234  
 214-350-7782

**Optimus** (see **Radio Shack**)

**Ora**  
 9410 Owensmouth Ave.  
 Chatsworth, CA 91311  
 818-772-2700

**Oracle**  
 Box 394  
 Edmondston, New Brunswick  
 Canada E3V 3L1  
 506-735-1080

D I R E C T O R Y   O F   M A N U F A C T U R E R S

**Ototon**  
122 Dupont St.  
Plainview, NY 11803  
516-349-9180

**O'Sullivan**  
1900 Gulf St.  
Lamar, MO 64759  
417-682-3322

**Otari**  
378 Vintage Park Dr.  
Foster City, CA 94404  
415-341-5900

**Otvos Industries**  
R.R. 4  
Brighton, Ontario  
Canada K0K 1H0  
613-475-3633

**Outer Circle**  
860 West Evergreen  
Chicago, IL 60622  
312-266-8820

**Owi**  
1160 Mahalo Pl.  
Compton, CA 90220  
800-638-1694

**Pacific (see Knoll)**

**Packburn**  
Box 335, DeWitt, NY 13214  
315-472-5644

**Panasonic**  
One Panasonic Way  
Secaucus, NJ 07094  
201-348-7000

**Pano**  
125 Cabot Ct.  
Hauppauge, NY 11788  
516-434-1200

**Paradigm (see AudioStream)**

**Paramount Pictures (see Home Theater Products)**

**Parasound**  
950 Battery St.  
San Francisco, CA 94111  
800-822-8802

**Parsec (see Recoton)**

**Pegasus (see The Speaker Factory)**

**Perfectionist Audio**  
32 Church St.  
Malverne, NY 11565  
516-887-6009

**Period (see O'Sullivan)**

**Pfanstiehl**  
3300 Washington St.  
Waukegan, IL 60085  
800-323-9446

**Pfanton (see Pfanstiehl)**

**Phase Technology**  
6400 Youngerman Circle  
Jacksonville, FL 32244  
904-777-0700

**Philips**  
1 Phillips Dr., Box 14810  
Knoxville, TN 37914-1810  
615-521-4316

**Phyzics**  
2680 Post Oak Ct. N.E.  
Marietta, GA 30062  
404-977-5289

**Pickering**  
101 Sunnyside Blvd.  
Plainview, NY 11803  
516-349-0200

**Pink Triangle (see Pro Audio)**

**Pinnacle**  
255 Executive Dr.  
Plainview, NY 11803  
516-576-9052

**Pioneer**  
2265 E. 220th St.  
Long Beach, CA 90810  
800-421-1404

**Pivotelli**  
25 Commercial St., Box 560  
Medford, MA 02155  
800-548-5040

**Plateau Camber**  
3700 Griffith #306  
St. Laurent, Quebec  
Canada H4T 1A7  
514-738-3225

**Pointsource**  
Box 788  
Whiting, IN 46394  
219-659-0450

**Polk**  
5601 Metro Dr.  
Baltimore, MD 21215  
301-358-3600

**Polydax**  
10 Upton Dr.  
Wilmington, MA 01887  
508-658-0700

**Portland Instruments**  
6120 San Fernando Rd.  
Glendale, CA 91201  
818-500-0137

**Posh**  
7865 N.E. Day Rd. W.  
Building C  
Bainbridge Island, WA 98110  
800-841-8501

**Posso/Savoy**  
175 Ward Hill Ave.  
Haverhill, MA 01835  
800-343-8140

**Premier (see AudioStream)**

**Prisma (see Artech)**

**ProAc (see Modern Audio Consultants)**

**Pro Audio**  
111 South Dr.  
Barrington, IL 60010  
708-526-1660

**Proceed (see Madrigal)**

**Prodigy**  
4337 Lindberg  
Addison, TX 75244  
214-306-4457

**Professional Technologies**  
Box 282A, Rd. #1  
Rome, NY 13440  
315-337-4156

**Progressive Design**  
310 County Line Rd.  
Bensenville, IL 60106  
708-860-2130

**Proton**  
5630 Cerritos Ave.  
Cypress, CA 90630  
714-952-6900

**PS Audio**  
Box 1119  
Grover City, CA 93483  
805-481-4844

**PSB (see Lenbrook)**

**PSE**  
9755 Hamilton Rd.  
Eden Prairie, MN 55344-3424  
612-943-1677

**Psycho Acoustics**  
10132 Mammoth Dr.  
Baton Rouge, LA 70814  
800-262-2402

**QED (see May Audio Marketing)**

**QSC**  
1675 MacArthur Blvd.  
Costa Mesa, CA 92626-1468  
714-754-6175

**Quad (see Pro Audio)**

**Quadral (see Eurotek)**

**Quanta (see The Speaker Factory)**

**Quasar**  
1707 N. Randall Rd.  
Elgen, IL 60123-7847  
708-468-5600

**Quicksilver**  
4119 Coronado  
Stockton, CA 95204  
209-462-7711

**Radio Shack**  
700 One Tandy Ctr.  
Fort Worth, TX 76102  
817-390-3011

**Rainbow Rax**  
2704 Manhattan Ave., Ste. A  
Manhattan Beach, CA 90266  
310-545-2100

**Rane**  
10802 47th Ave. W.  
Mukilteo, WA 98275-5098  
206-355-6000

**Realistic (see Radio Shack)**

**Recoton**  
46-23 Crane St.  
Long Island City, NY 11101  
800-223-6009

**Reel to Real Designs**  
3021 Sangamon Ave.  
Springfield, IL 62702  
800-283-4644

**Revolver (see Music Hall)**

**Revox**  
1425 Elm Hill Pike  
Nashville, TN 37210  
615-254-5651

**R.F. Engineering**  
9215 Lowell Blvd.  
Westminster, CO 80030  
303-430-8281

**Rogers (see Audio Influx)**

**RoomTune**  
Box 57  
Sugarcreek, OH 44681  
216-852-2222

**Rossman**  
597 W. Hillside Ave.  
State College, PA 16803  
814-234-2044

**Rotel**  
Box 653  
Buffalo, NY 14240  
416-771-6610

**Russound/FMP**  
5 Forbes Rd.  
Newmarket, NH 03857  
603-659-5170

**Samsung**  
301 Mayhill St.  
Saddle Brook, NJ 07662  
201-229-4000

**Sansui**  
1290 Wall St. W.  
Lyndhurst, NJ 07071  
201-460-9710

**Sanus Systems**  
2885 Country Dr.  
Little Canada, MN 55117  
612-482-1019

**Sanyo**  
21350 Lassen St.  
Chatsworth, CA 91311-2329  
818-998-7322

**Savard (see Psycho Acoustics)**

**Scientific Fidelity**  
603 Riggs Pl.  
Los Angeles, CA 90045  
213-641-5443

**Scotch**  
Box 33600  
St. Paul, MN 55133-3600  
800-343-8077

**Sennet**  
Box 1630, Old Milford Rd.  
Milford, PA 18337-2630  
800-648-6663

**Sennheiser**  
6 Vista Dr., Box 987  
Old Lyme, CT 06371  
203-434-9190

**Sentry**  
252C Lake Ave.  
Yonkers, NY 10701  
914-968-0180

**Sequerra Associates**  
792 Pacific St.  
Stamford, CT 06902  
203-325-1791

**Sescom**  
2100 Ward Dr.  
Henderson, NV 89015  
702-565-3400

**Shahinian**  
33 A&B Cedarhurst Ave.  
Medford, NY 11763  
516-736-0033

**Sharp**  
Sharp Plaza  
Mahwah, NJ 07430-2135  
201-529-8200

**Sherwood**  
14830 Alondra Blvd.  
La Mirada, CA 90638  
800-962-3203

**Shure**  
222 Hartrey Ave.  
Evanston, IL 60202  
800-257-4873

**Signet**  
4701 Hudson Dr.  
Stow, OH 44224  
216-688-9400

**Siltech (see SOTA)**

**SimplyPhysics**  
13158 Veterans Memorial Dr.  
Houston, TX 77014  
713-537-5083

**Singer**  
200 Metroplex Dr.  
Edison, NJ 08818  
201-287-0707

**Sitting Duck Software**  
Box 130  
Veneta, OR 97487  
503-935-3982

**Snell Acoustics**  
143 Essex St.  
Haverhill, MA 01832  
508-373-6114

**Snell Digital (see Snell Acoustics)**

**Snell Multimedia (see Snell Acoustics)**

**Sonance**  
961 Calle Negocio  
San Clemente, CA 92672  
800-582-7777

**Sonetic (see QSC)**

**Sonex (see Illbruck)**

**Sonic Studios**  
1094 Elk Ridge Rd.  
Reedsport, OR 97467  
503-599-2217

**Sonographe (see Conrad-Johnson)**

**Sonrise**  
110 E. 43rd St.  
Boise, ID 83714  
800-231-8663

# D I R E C T O R Y   O F   M A N U F A C T U R E R S

**Sony**  
One Sony Dr.  
Park Ridge, NJ 07656  
201-930-7669

**Sorice**  
Box 747  
Nutley, NJ 07110  
800-432-8005

**SOTA**  
1318-B Marquette Dr.  
Romeoville, IL 60441  
800-772-7682

**Sound Advance**  
3202 S. Shannon St.  
Santa Ana, CA 92704-6353  
800-892-9002

**Sound Concepts**  
27 Newell Rd.  
Brookline, MA 02146  
619-566-0110

**Sound Connections**  
203 Flagship Dr.  
Lutz, FL 33549  
813-948-2707

**Sound Dynamics (see Audio Products International)**

**Sound Engineering**  
Box 12538  
Rochester, NY 14612

**Sound Interiors**  
17 W. 438 22nd St.  
Oakbrook Terrace, IL 60181  
708-782-5050

**Sound-Lab**  
6451 Mountain View Dr.  
Park City, UT 84060  
801-649-0172

**Sound Quest**  
Box 940  
N. Chicago, IL 60064  
800-457-4579

**Sounds Like Music**  
259 N. Capitol Ave. #113  
San Jose, CA 95127  
408-258-3023

**Soundsmith**  
5058 El Cajon Blvd., Ste. A  
San Diego, CA 92115  
619-286-8430

**Soundstream**  
120 Blue Ravine Rd.  
Folsom, CA 95630  
916-351-1288

**Soundwave**  
(see **Vero Research**)

**The Speaker Factory**  
9141/9145 Arbuckle Dr.  
Gaithersburg, MD 20877  
301-840-0747

**Speakerlab**  
6307 Roosevelt Way N.E.  
Seattle, WA 98115-6616  
206-523-2269

**Specialty Sound Platforms**  
424 Burt Circle  
Lewiston, NY 14092  
716-754-4692

**Speco**  
1172 Rte. 109, Box 624  
Lindenhurst, NY 11757  
516-957-8700

**SpectraScan**  
1110A Elkton Dr.  
Colorado Springs, CO 80907  
719-599-9254

**Spica**  
3425 Bryn Mawr N.E.  
Albuquerque, NM 87107  
505-883-6120

**Standesign**  
(see **Melody Audio**)

**Stanton**  
101 Sunnyside Blvd.  
Plainview, NY 11803  
516-349-0235

**Stax**  
16920 Halldale Ave.  
Gardena, CA 90247  
310-538-5878

**Stinger (see AAMP)**

**Straight Wire**  
1909 Harrison St. #208  
Hollywood, FL 33020  
305-925-2470

**Stuart-Townsend-Carr**  
Box 373  
Limington, ME 04049  
800-637-2344

**Sumiko**  
Box 5046  
Berkeley, CA 94705  
510-843-4500

**Sumo**  
9829 Independence Ave.  
Chatsworth, CA 91311  
818-718-8381

**Superior Audio**  
Box 299  
Hancock, MI 49930  
800-332-8346

**Superphon**  
225 Oakes South West  
Grand Rapids, MI 49503  
616-451-3527

**Symdex**  
Box 359  
Gloucester, MA 01931-0359  
508-281-1115

**Symetrix**  
4211 24th Ave. W.  
Seattle, WA 98199  
206-282-2555

**Synthesis**  
(see **Conrad-Johnson**)

**Taddeo**  
2604 Elmwood Ave., Ste. 105  
Rochester, NY 14618  
716-244-6027

**Tannoy (see TGI)**

**Tara Labs**  
2567 Siskiyou Blvd.  
Ashland, OR 97520  
503-488-6465

**TC Audio**  
Box 59  
Thurston, OR 97482  
503-726-2027

**TDK**  
12 Harbor Park Dr.  
Port Washington, NY 11050  
516-625-0100

**TDL**  
1305 Court St.  
Saginaw, MI 48602  
517-792-3948

**TEAC**  
7733 Telegraph Rd.  
Montebello, CA 90640  
213-726-0303

**Technics (see Panasonic)**

**Tenderfeet (see Artech)**

**Terk**  
233-8 Robblins Ln.  
Syosset, NY 11791  
516-942-5000

**Terpsichore**  
Route 24  
Chester, NJ 07930  
201-879-6889

**TGI**  
300 Gage Ave., Unit 1  
Kitchener, Ontario  
Canada N2M 2C8  
519-745-1158

**Theta Digital**  
5330 Derry Ave. #R  
Agoura Hills, CA 91301  
818-597-9195

**Thiel**  
1026 Nandino Blvd.  
Lexington, KY 40511  
606-254-9427

**Thorens (see BLR)**

**3M Black Watch**  
One Appletree Sq., Ste. 1031  
Bloomington, MN 55425  
612-854-0845

**Threshold**  
7325 Roseville Rd.  
Sacramento, CA 95842  
916-348-0600

**Tiffany**  
210 E. 86th St.  
New York, NY 10028  
212-570-5780

**Transparent**  
Rt. 202, Box 117  
Hollis, ME 04042  
207-929-4553

**Tree Dimensions**  
Box 609  
Boone, NC 28607  
704-262-0220

**Triad**  
9106 N.E. Marx Dr.  
Portland, OR 97220  
503-256-2600

**Tri-State Loudspeaker**  
650 Franklin Ave.  
Aliquippa, PA 15001  
412-375-9203

**Uher of America**  
7067 Vineland Ave.  
North Hollywood, CA 91605  
818-764-1120

**Unity Audio**  
27751 E. California Rd.  
Lathrup Village, MI 48076  
313-559-6662

**VAC**  
Box 4609  
Sarasota, FL 34230  
813-377-7884

**Vacuum Tube Logic**  
4774 Murieta St., Units 9&10  
Chino, CA 91710  
714-627-5944

**Vampire Wire**  
(see **Sound Connections**)

**van den Hul**  
(see **Sound Connections**)

**Vandersteen**  
116 W. 4th St.  
Hanford, CA 90230  
209-582-0324

**Vecteur (see Polydax)**

**Vector Research**  
1230 Calle Suerte  
Camarillo, CA 93012  
805-987-1312

**Velodyne**  
1070 Commercial St., Ste. 101  
San Jose, CA 95112  
408-436-7270

**Venturi (see BIC America)**

**Vero Research**  
274 N. Goodman St.  
Rochester, NY 14607  
716-271-7930

**Video Link**  
12950 Bradley Ave.  
Sylmar, CA 91342  
800-843-5465

**Vidicraft**  
8770 S.W. Nimbus Ave.  
Beaverton, OR 97005  
503-626-1918

**Vidikron**  
150 Bay St.  
Jersey City, NJ 07302  
201-420-6666

**VMPS (see Itone)**

**Vortex**  
Box 1316  
Guasti, CA 91743  
800-437-8678

**Voyd (see Modern Audio Consultants)**

**VPI**  
77 Cliffwood Ave. #3B  
Cliffwood, NJ 07721  
908-946-8606

**Wadia Digital**  
511 Second St.  
Hudson, WI 54016  
715-386-8100

**Wall Sound (see AAMP)**

**Waterworks Acoustics**  
3365 Fernside Blvd.  
Alameda, CA 94501  
510-522-0374

**Wavefront Acoustics**  
18012 E. Loyola Pl.  
Aurora, CO 80013  
800-676-7058

**WBT**  
(see **May Audio Marketing**)

**Well Tempered**  
(see **Transparent**)

**Weltronics**  
1414 S. Fair Oaks Ave., Ste. 7  
S. Pasadena, CA 91030  
818-799-6396

**Westlake Audio**  
2696 Lavery Ct. #18  
Newbury Park, CA 91320  
805-499-3686

**Westwood Group**  
1115 Inman Ave., Ste. 330  
Edison, NJ 08820  
908-548-6700

**Wharfedale**  
(see **Melody Audio**)

**Wheaton Music**  
11230 Grandview Ave.  
Wheaton, MD 20902  
301-949-1262

**Wilson Audio**  
2233 Mountain Vista Ln.  
Provo, UT 84606  
801-377-2233

**Wolcott**  
2250 N. Bigelow Ave.  
Simi Valley, CA 93065  
805-527-8842

**Woodside/Radford**  
(see **Pro Audio**)

**Wood-Tech (see Operations International)**

**Wright Audio**  
29 N. Main St.  
Lexington, VA 24450  
703-464-1100

**Yamaha**  
Box 6660  
Buena Park, CA 90622  
800-492-6242

**Yankee**  
Box 1575  
Fallbrook, CA 92028  
619-728-4488

**Zenasia**  
1210 E. 223rd St. #309  
Carson, CA 90745  
800-336-6638

**AC (alternating current):** The current available from the power outlets in American homes; it alternates direction sixty times a second.

**acoustic-suspension:** A type of infinite-baffle speaker that uses the air pressure inside a sealed speaker box to control driver motion.

**active crossover:** An electronic component that divides the signal from a source component into frequency bands (low, mid, and/or high) before the signal is amplified.

**adjacent-channel selectivity (adj-ch sel):** A measurement of how well a tuner rejects the signal from stations on either side of the tuned station; higher figures are better.

**alternate-channel selectivity (alt-ch sel):** A measurement of how well a tuner rejects the signal from stations two channels away from the tuned station; higher figures are better.

**AM (amplitude modulation):** A technique commonly used in radio that conveys information by varying the strength of a high-frequency "carrier" signal.

**ambience:** The acoustical character of a listening space, largely determined by its size, shape, and the degree of reverberation. Some digital signal processors can synthesize ambience environments.

**ampere (amp):** The primary measurement unit of electrical current.

**amplifier:** A separate component, or a section built into an integrated component, that strengthens the electrical signal (increases its amplitude). A power amplifier must be connected to a preamplifier (or "control amplifier") to switch and process the sound. An integrated amplifier combines power-amplifier and preamplifier functions in the same unit; a receiver adds a tuner to that configuration.

**AM rejection (AM rej):** A measurement of a tuner's ability to suppress changes in an FM signal's amplitude caused by multipath and other types of interference; higher figures are better.

**analog:** A type of audio component or recording medium that operates with signals whose waveforms are directly analogous to the sounds they represent; see *digital*.

**ATRAC (Adaptive Transform Acoustic Coding):** The low-bit-rate digital coding process used in the new MD format; using psychoacoustic modeling, the system encodes only audible audio components and discards those that are masked or inaudible.

**attenuate:** To decrease the amplitude, or level, of a signal.

**autoreverse:** A feature of some cassette decks that enables them to play or record both sides of a cassette without the user having to turn it over manually.

**AUX (auxiliary):** An input jack found on some receivers, integrated amplifiers, and preamplifiers that can be used to connect line-level source components.

**azimuth:** The angle between the magnetic gap of a tape head and the edge of the audio tape. Although the azimuth angle is theoretically set at

90 degrees, azimuth often varies from one tape deck to another.

**balance:** A control found on most receivers, integrated amplifiers, and preamplifiers that changes the relative volume of the left and right channels.

**balanced line:** A noise-limiting audio transmission technique in which the signal is not carried by the audio cable's shield.

**band:** A particular segment of a frequency spectrum. For example, a graphic equalizer may divide the audio frequency spectrum into ten bands, with one control to adjust the relative volume of each individual band.

**band-pass enclosure:** A dual-chamber design for subwoofers that creates an acoustical pass-band, minimizing the need for a low-pass filter.

**band-pass filter:** A crossover circuit that combines a low-pass and high-pass filter to create a pass-band.



**bandwidth:** A range of frequencies.

**bass reflex:** A type of speaker system that has an opening, called a vent or port, in its enclosure so that the sounds produced by the backward motion of the woofer(s) reinforces those produced by its forward motion.

**Bessel:** A type of crossover filter known for its excellent phase characteristics.

**bias:** A very high-frequency signal added to an audio signal being recorded on tape to reduce distortion.

**bipolar transistor:** A cost-effective transistor that is generally efficient and accurate as long as proper protection circuitry is utilized.

**bright:** A subjective term used to describe sound that has a lot of treble.

**Butterworth filter:** A type of filter—designed in accordance with the so-called "Butterworth polynomials"—known for its flat response curve.

**capstan:** A rotating shaft in a tape recorder that pulls the tape across the heads. The tape usually travels between the capstan and a pinch-roller. A dual-capstan machine has capstans at each end of the head block; see *closed-loop*.

**capture ratio:** A measurement of how well a tuner rejects the weaker station's signal when two stations are broadcast at the same frequency. A typical spec is 3 dB; lower figures are better.

**cartridge (phono cartridge):** A small component mounted on the end of the tonearm in a turntable; it holds the stylus, which vibrates in the record groove. The cartridge converts the vibrations into a changing electrical voltage, or audio signal.

**cassette deck:** An analog component that uses standard-size audio cassettes for recording and playback; also known as a tape deck. Audio signals are recorded onto, or played back from, the magnetic tape contained in the cassette; see *heads*.

**CD (compact disc):** A 4.8-inch metalized plastic disc that stores up to 80 minutes of digitally recorded music. The nonrecordable disc contains microscopic pits that are read by an optical laser pickup in a compact disc player. Each pit represents digitally encoded audio information.

**CD changer:** A digital source component that typically provides access to between five and ten CD's, depending on its design. Discs are loaded into a removable magazine or onto a carousel-type platter.

**CD+G (compact disc plus graphics):** A CD that stores still color images, graphics, and text in addition to audio; a graphics decoder/TV adaptor and a CD player with a subcode output is required to play CD+G's.

**CD-I (compact disc-interactive):** An interactive CD-based format that stores video, graphics, text, and audio; the user has control over content and presentation. CD-I's can be played back only on CD-I players, which can also play standard CD's.

**CD (compact disc) player:** A digital source component based on the PCM recording system that plays compact discs.

**center channel:** A third channel used to complement the front stereo channels in a multichannel audio/video or surround system; its primary goal is to localize dialogue.

**channel:** A distinct path for an audio signal; stereo signals comprise two channels, left and right.

**channel separation:** Expressed in dB, a measurement of the amount of leakage between an electronic component's left and right channels; higher figures are better.

**Class A:** An amplifier design in which the output devices conduct current all the time.

**Class AB:** A common amplifier configuration; designed to minimize distortion at low signal levels.

# A U D I O G L O S S A R Y

**clean:** A subjective term used to describe sound that is distortion-free.

**clipping:** Distortion that occurs when an electronic device cannot accommodate the maximum level requirements of the input signal.

**closed-loop:** A drive system used in tape decks in which the tape is pulled by dual capstans, one on either side of the heads, so the part of the tape being played or recorded is held taut and fully isolated from the hubs.

**coloration:** A response anomaly that makes music sound unnatural.

**combi-player:** A digital audio component that plays CD's and videodiscs.

**continuous average (cont avg) power:** The maximum amount of undistorted power a power amplifier is capable of producing on a continuous basis. This specification is meaningful only when accompanied by the following information: watts per channel, the load impedance into which the power is delivered, the frequency range over which the rated power can be delivered, and the maximum THD at the rated power.

**crossover (crossover network):** A separate component or circuit comprising low-pass, high-pass, and/or band-pass filters that divides lower-frequency sounds from higher-frequency ones. A crossover is used in a speaker that has more than one driver. In a two-way speaker system, the crossover sends the low frequencies to the woofer and the high frequencies to the tweeter. See *active* and *passive crossover*.

**crossover frequency:** In a crossover network, the frequency at which audio signals are divided so they can be routed to the appropriate driver (low frequencies to a woofer and high frequencies to a tweeter, for example); also called the crossover or cutoff point.

**current:** The flow of electrons through a conductor.

**D/A (digital-to-analog) converter:** An electrical circuit that converts a binary code (or digital word) into an equivalent analog voltage. Many CD players use multibit converters with 16-, 18-, or 20-bit resolution, which reconstruct an analog music waveform sample by sample; the voltage of each sample is determined by the sum of the values represented in a 16-bit digital word. A growing number of players use 1-bit converters; both designs produce excellent sound and laboratory measurements.

**D/A linearity:** Rates the accuracy of a D/A converter; see *linearity*.

**damping:** The application of mechanical resistance, such as a rubber or silicone material to the cantilever pivot of a phono cartridge, to reduce the amplitude of a resonance; also applied in speakers.

**damping factor:** A measurement of a power amplifier's ability to control the motion of a speaker's cone after a signal "disappears"; damping-factor figures above 100 are considered to be very good.

**DAT (digital audio tape):** A digital recording playback format based on the PCM coding process used in compact disc components. Digitally encoded audio information is recorded onto, and retrieved from, magnetic tape; DAT cassettes are about half the size of a standard audio-cassette.

**dB (decibel):** The unit used to measure the difference between two levels of sound or electrical signal; a logarithmic expression of the ratio of two such levels. An increase of 10 dB represents a tenfold increase in power. Doubling power raises SPL by about 3 dB; halving power reduces SPL by about 3 dB; see *SPL*.

**dBf:** One decibel referred to a standard power level of 1 femtowatt (one quadrillionth of a watt).

**DC (direct current):** Electricity that flows in one direction only; see *AC (alternating current)*.

**DCC (digital compact cassette):** A new digital recording playback format based on a low-bit-rate coding process called Precision Adaptive Sub-band Coding (PASC); a DCC tape has a computer-disk-type metal door, is roughly the same size as an analog cassette, and can store 90 minutes of music; DCC machines can play, but not record on, analog cassettes.

**de-emphasis:** A form of equalization used in FM tuners that is complementary to a pre-emphasis used in transmission. The purpose is to improve the overall S/N (signal-to-noise ratio) while maintaining uniform frequency response. Some CD's also are processed with a high-frequency pre-emphasis; these discs automatically engage de-emphasis circuits in the player.

**defeat:** To bypass a signal-processing feature, removing it entirely from the circuit.

**defect tracking:** A measurement of how well a CD player's laser pickup handles flaws on a disc; a player that can track defects above 2,000 micrometers is considered above average.

**demagnetizer:** A device that removes eventually damaging magnetism from a cassette deck's tape heads and other metal parts in the tape path.

**digital:** A digit is a number, and digital components use numbers in some way. A digital tuner, for example, may use numbers only on its front-panel display, or it may use digital-synthesis tuning circuits. CD's contain a pattern representing a series of binary numbers (strings of ones and zeros); a CD player converts these numbers into a continuously changing voltage that represents music.

## ABBREVIATIONS

AC—alternating current  
A/D—analogue to digital  
ADC—analogue-to-digital converter  
AFC—automatic frequency control  
alt-ch—alternate channel  
amp—amplifier  
CIRC—cross interleave Reed-Solomon code  
CrO<sub>2</sub>—chromium dioxide  
D/A—digital to analog  
DAC—digital-to-analog converter  
DAT—digital audio tape  
dB—decibel  
dBf—decibel femtowatt  
DC—direct current  
DSP—digital signal processing (processor)  
EFM—eight-to-fourteen modulation  
EIA—Electronic Industries Association  
EIAJ—Electronic Industries Association of Japan  
EQ—equalization, equalizer  
F—farad

FET—field-effect transistor  
FR—frequency response  
g—gram  
HX—headroom extension  
Hz—hertz  
IC—integrated circuit  
IEC—International Electrotechnical Commission  
IEEE—Institute of Electrical & Electronic Engineers  
IF—intermediate frequency  
IHF—Institute of High Fidelity  
IM—intermodulation (distortion)  
imp—impedance  
ips—inches per second  
k—kilo (one thousand)  
kHz—kilohertz (one thousand cycles per second)  
LCD—liquid-crystal display  
LED—light-emitting diode  
L/R—left/right  
LSB—least-significant bit  
LSI—large-scale integrated (circuit)  
M—mega (one million)  
Mb/sec—megabits per second

MC—moving coil  
MDF—medium-density fiberboard  
MM—moving magnet  
MNOS—metallic nitrogen-oxide semiconductor  
MOL—maximum output level  
MOSFET—metal-oxide semiconductor FET  
MPX—multiplex  
MSB—most-significant bit  
m—meter (as in SPL W/m)  
m—milli (one thousandth, as in msec)  
mH—millihenry  
mm—millimeter  
ms—millisecond  
mV—millivolt  
mW—milliwatt  
μ—micro (one millionth)  
NAB—National Association of Broadcasters  
nWb—nanoweber  
NR—noise reduction  
PCM—pulse-code modulation  
PCOCC—pure-copper continuous cast  
pF—picofarads

PLL—phase-locked loop  
P-P—peak-to-peak, push pull  
rec—record  
RF—radio frequency  
RIAA—Recording Industry Association of America  
rms—root mean square  
rpm—revolutions per minute  
sel—selectivity  
sens—sensitivity  
sep—separation  
SMPTE—Society of Motion Picture and Television Engineers  
S/N—signal-to-noise ratio  
SPL—sound-pressure level  
THD—total harmonic distortion  
TIM—transient intermodulation (distortion)  
V—volt  
VA—volt-ampere  
VU—volume unit  
W—watt  
W&F—wow-and-flutter  
Wb—weber  
wrms—weighted root mean square  
wtd—weighted



**digital output:** A coaxial or fiber-optic output found on some CD components and most DAT decks that is used to pass digital signals to an outboard D/A converter, digital recorder, or a component that has a digital input; except in the case of DAT recorders and outboard D/A converters, digital inputs are still relatively rare.

**dipole:** A type of speaker that radiates as much sound from its rear as from its front but with opposite polarity.

**dipole antenna:** A type of antenna that receives radio broadcasts from two directions. A T-shaped, folded dipole antenna is often supplied with tuners and receivers.

**dispersion:** Characterizes a speaker's radiation pattern; measured in degrees.

**distortion:** An unwanted alteration in an audio signal; also see *THD (total harmonic distortion)*, *noise*, and *IM (intermodulation distortion)*.

**Dolby B, Dolby C, and Dolby S:** Tape noise-reduction (NR) systems designed and licensed by Dolby Laboratories for use in consumer tape recorders. They are encode/decode systems, and work by boosting high-frequencies during recording and attenuating them during playback: Dolby S is the most effective (and most expensive), followed by Dolby C and then Dolby B, which is the most common of the three.

**Dolby HX Pro:** A special circuit for tape recorders—the HX stands for headroom extension—that lowers the amount of bias added during recording when the signal being recorded already has a lot of high frequencies. This allows high frequencies to be recorded at higher levels with less distortion.

**Dolby Pro Logic:** An enhanced version of the basic Dolby Surround decoding system that employs special "logic" circuitry to improve sound localization, especially of on-screen dialogue. In addition to the two primary speakers, Pro Logic systems require the use of a front center-channel speaker and two rear-channel speakers for ambience reproduction; as many as eight speakers can be used.

**Dolby Surround:** A system developed for movie theaters, now available in some signal processors, preamplifiers, integrated amplifiers, and receivers, that adds one or two rear ambience channels to the ordinary stereo channels.

**double cassette deck:** A cassette deck with two tape transports.

**driver:** Any individual speaker within a system, such as a woofer or tweeter.

**DSP (digital signal processor):** A general label for components that manipulate audio signals in the digital domain. DSP tasks include ambience synthesis, equalization, time alignment, filtering, and more.

**dubbing:** The process of making a recording of another recording.

**dynamic range:** The difference, in dB, between the softest and the loudest sounds a component can produce; higher figures are better.

**dynamics:** A subjective term used to describe the ability of a component to render loud and soft musical passages accurately.

**early reflections:** Sounds in any listening space that reach the ear shortly after direct sounds. Used in discussion of DSP devices that synthesize room ambience; see *late reflections* and *reverberation*.

**efficiency:** The percentage of the electrical input power going to a speaker or power amplifier that is converted into acoustic energy; it has no practical bearing on sound quality.

**electrostatic:** Speakers and headphones that produce sound by moving a thin, electrically charged diaphragm suspended in a high-voltage electrical field.

**EQ (equalization):** The process of changing the relative volume levels of frequency bands to alter tonal balance. Phono signals require a specific type of playback equalization because of the equalization built into the process of cutting a record; see *equalizer*.

**equalizer:** A component, or part of a component, that divides the audio signal into separately adjustable bands. The most common type is the graphic equalizer.

**expander:** A device used to restore natural dynamic range. This is achieved by counteracting the compression of dynamic range that sometimes occurs when recordings are made and when a signal is broadcast.

**ferrofluid:** A ferromagnetic (attracted to a magnet) liquid used in some speakers, especially tweeters, to conduct heat away from the voice coil and improve damping and power handling.

**fiber optics:** A signal-transmission medium in which digital audio signals are carried through a special cable as impulses of light; the primary benefit is immunity to electrical noise.

**50-dB quieting sensitivity:** A tuner spec that indicates the level of an incoming mono or stereo FM signal that's required to produce a background noise level of -50 dB; lower figures are better.

**filter:** A circuit that boosts, attenuates, or removes selected frequencies from an audio signal.

**flat:** A setting of 0 dB (without boosts or attenuation), as in equalizers, tone controls, and frequency response.

**flutter:** Expressed as a percentage of variation from the correct speed, a wavering sound caused by small, rapid variations in the speed of electro-mechanical components such as turntables and cassette decks; see *W&F*.

**FM (frequency modulation):** A type of radio broadcasting that encodes audio waveforms as variations in the frequency of the broadcast carrier signal. An FM station with a center frequency of 88.1 MHz will actually broadcast a signal that changes from slightly less than 88.1 MHz to slightly more, according to the amplitude of the audio waveform.

**frequency:** Rate of vibration or oscillation. Sounds are vibrations and can be represented by electrical signals that change at different rates: a low-pitched sound is represented by a slowly changing voltage, a high-pitched sound by a quickly changing voltage. Frequency is measured in cycles per second, or Hz. The audio spectrum is widely considered to be 20 to 20,000 Hz. In radio,

frequency refers to the carrier signal of the station, such as 88.1 MHz for an FM station or 1,010 kHz for an AM station.

**frequency response:** A specification that indicates how evenly a component reproduces frequencies in the audio spectrum. A typical spec is 20 to 20,000 Hz  $\pm$ 3 dB, which means that the component will reproduce sounds as low as 20 Hz and as high as 20,000 Hz, and all those in between, not more than 3 dB too loud or too soft. If a frequency-response spec does not include a tolerance (the plus-or-minus decibel figure), it is essentially meaningless.

**graphic equalizer:** An equalizer with fixed bands; see *equalization*.

**ground:** The theoretical zero voltage reference; used to describe a negative (-) connection.

**headroom:** Expressed in dB, the difference between the highest level present in the input signal and the maximum level an audio device can handle without distortion.

**heads:** The parts of a tape deck that impose a magnetic pattern on a tape (for recording) or detect one that is already there (for playback). Most tape decks have a separate head for erasing tapes by randomizing the magnetic pattern on the tape so that a new one can be recorded.

**high-pass filter:** A crossover circuit that passes only those frequencies that fall above a predetermined crossover frequency, attenuating those below; see *low-pass filter*.

**home theater system:** A collection of audio and video components. A minimum of four speakers—two front and two rear—is required to approach the realism of surround-sound movie soundtracks. High-performance systems incorporate a Dolby Pro Logic decoder, which adds a front center-channel speaker and a subwoofer to the above configuration.

**HX Pro:** See *Dolby HX Pro*.

**Hz (hertz):** The standard unit of frequency, named after the German physicist Heinrich Hertz. Measurements in hertz represent cycles per second, or changes away from a basic state and back again. In audio, the basic state is defined either as ordinary air pressure (without sound) or its electrical equivalent (a constant-level DC signal). The higher the Hz figure, the higher the sound's pitch.

**IC (integrated circuit):** A miniature one-piece electronic device containing many transistors and resistors; it is the basic building block of most audio components; see *solid state*.

**IF (intermediate frequency) rejection:** A measurement of an AM or FM tuner's ability to reject external interference at the intermediate frequency; higher figures are better.

**image rejection:** A measurement of a tuner's ability to reject the sum or difference frequency of its own intermediate and oscillator frequencies; poor suppression results in reception at false frequencies. Higher figures are better.

**imaging:** The ability of a stereo system to place vocals and instruments in a spatially realistic manner.

**IM (intermodulation distortion):** A type of distortion caused by frequencies that are sums and

differences of the input frequencies; lower figures are better.

**impedance (imp):** A measurement, in ohms, of the resistance a component presents to the flow of electrical current; the lower the number, the less resistance.

**infinite baffle:** A large sealed speaker enclosure in which the compliance of the air inside the box is much greater than the compliance of the speaker's suspension system; see *acoustic suspension*.

**infrared:** A part of the electromagnetic spectrum that is just below the range of frequencies visible to the human eye. Wireless remote controls use infrared frequencies to send control signals to components.

**infrasonic filter:** A type of high-pass filter used in some signal processors to attenuate inaudible frequencies below about 20 Hz; also called a subsonic filter.

**input:** The receptacle, or jack, on a component that receives incoming signals; also refers to the incoming signal itself.

**integrated amplifier:** A component that performs the functions of both a preamplifier and a power amplifier.

**interchannel phase error:** Expressed in degrees, the phase difference between the two channels of a CD player; figures above 1 degree are below average.

**intermediate frequency:** In tuners, 10.7 MHz for FM and 455 kHz for AM.

**isolation:** The separation of a structure from everything surrounding it.

**jack:** A female connector that serves as a receptacle for a male connector; see *RCA connector*.

**Kapton:** A plastic material widely used in the manufacture of speaker voice-coil formers.

**kHz (kilohertz):** 1,000 Hz.

**laserdisc:** A laser-read videodisc system. Laserdisc players are similar to CD players; see *combi-player*.

**late reflections:** Echoes in an enclosed space that reach the ear after multiple reflections and, consequently, have a relatively long delay time; see *early reflections* and *reverberation*.

**LCD (liquid-crystal display):** A type of electronic readout used on the faceplate of some components and remote controls.

**LED (light-emitting diode):** A small light used as an indicator on many components.

**linearity:** Describes the accuracy of a component's output signal compared to the input signal; a device whose output varies in direct proportion to the input is said to be linear.

**linear-tracking tonearm:** A type of tonearm that moves in a straight line across the radius of a record.

**line-level:** Refers to low-voltage audio signals; also known as low-level or preamp-level. See *speaker-level*.

**logic:** In cassette decks, the ability to switch from one transport function, such as fast forward, to another, such as rewind, without first pressing the stop button; doing this in decks without logic controls can damage the tape. In a surround-sound system, logic circuits are used to improve separation between multiple channels derived from matrix-encoded stereo signals.

**loudness compensation:** A form of equalization that progressively emphasizes low frequencies (and sometimes high frequencies) as volume is reduced. Loudness-compensation circuits, which appear in some preamplifiers and receivers, are designed to offset the human ear's loss of low-frequency sensitivity as the sound level decreases and can be switchable (on/off), adjustable, or automatic.

**low-pass filter:** A crossover circuit that passes frequencies that fall below a predetermined crossover frequency and attenuates those above; see *high-pass filter*.

**mA (milliampere):** One thousandth of an ampere.

**magazine:** The removable module in a CD changer into which five, six, or ten discs are loaded.

**matrix:** A type of circuit commonly used in surround-sound processors to encode three or more channels of information into two or to derive multiple channels from an encoded stereo signal. Also used to describe a similar type of circuit that can synthesize a rear channel for ambience even if the original recording consists only of left and right stereo channels.

**maximum power:** The maximum, or peak, amount of power an amplifier is capable of producing for a short period; see *continuous average power*.

**MD (Mini Disc):** A new optical recording/playback format based on an efficient low-bit-rate coding process called Adaptive Transform Acoustic Coding (ATRAC); up to 74 minutes of audio information is stored on and retrieved from a 2½-inch optical disc housed in a computer-disk-like caddy. MD is not compatible with the CD format.

**MHz (megahertz):** 1,000,000 Hz.

**microphone:** An electroacoustic pickup device that converts acoustical energy—such as live music or a voice—into an electrical signal that is essentially equivalent in shape and amplitude to the acoustical input.

**midbass:** The segment of the audio frequency spectrum covering sounds produced in the upper bass and lower midrange region.

**midrange:** The segment of the audio frequency spectrum between the bass and treble frequencies, which includes most of the fundamental tones of the human voice and most musical instruments.

**mono (monaural):** An audio signal in which all the information is combined in one channel. In a component, it indicates that only one combined channel is handled, as in a mono power amplifier.

**MOSFET (metal-oxide-semiconductor-field-effect transistor):** A special transistor used in some power amplifiers that is capable of deliver-

ing very high peak current, although it's more prone to crossover distortion than other designs; see *transistor*.

**MPX (multiplex):** A method of combining two or more signals into one. Some tape decks have an MPX filter that removes the 19,000-Hz pilot tone from stereo FM broadcasts.

**MTS (multichannel television sound):** The encode/decode system devised by Zenith and dbx for stereo television broadcasting in the United States. An MTS decoder, which may be built into an audio or video component, decodes stereo broadcasts; see *SAP*.

**muddy:** A subjective term describing sound, usually in the bass region, that isn't clear.

**multipath:** A condition that occurs when a broadcast radio signal reaches the tuner's antenna over two or more paths of differing lengths. The result is interference that causes distortion and a loss of stereo separation.

**multiroom system:** A system that directs music or video programs from one or more sources to secondary listening spaces, or zones.

**μs (microsecond):** One millionth of a second.

**μV (microvolt):** One millionth of a volt.

**mV (millivolt):** One thousandth of a volt.

**negative feedback:** A circuit design used to some degree in all power amplifiers in which a portion of the output signal is mixed with the input signal to reduce gain, which in turn reduces distortion and increases the amplifier's stability.

**noise:** An unwanted part of an output signal that is not related to the input signal. Audio noise usually sounds like hiss or hum.

**NR (noise reduction):** A system designed to reduce the noise added to an audio signal during recording. See Dolby B, Dolby C, and Dolby S.

**ohm:** The basic unit of electrical resistance; see *impedance*.

**1-bit D/A converter:** A converter that translates the 16-bit PCM (pulse-code modulation) signal from a CD into an analog waveform using a 1-bit PDM (pulse-density modulation) or PWM (pulse-width modulation) technique.

**optical (fiber-optic) output/input:** A special type of jack that accepts fiber-optic cable.

**output level:** A measure of how strong the output signal of a component is, usually in relation to the strength of the input signal.

**oversampling:** A digital filtering technique used in all CD components. Extra data points (numerical representations of the amplitude of an audio waveform at a given point in time) are mathematically interpolated between those read from the disc, creating a signal at some multiple of the standard 44.1 kHz sampling frequency of the CD format (usually two, four, or eight times). The process raises the frequency of any spurious signals created by the format's digital signal manipulations well above the audio range. The spurious signals are then removed by an analog filter.

**PASC (Precision Adaptive Subband Coding):** The low-bit-rate digital coding process used in the

new DCC format; the system separates the audio signal into thirty-two bands with fixed center frequencies and encodes each band with a number of bits that varies according to frequency content and the degree of masking taking place within each band.

**pass-band:** The frequency segment, or band, that is established by a band-pass filter; see *crossover*.

**passive crossover:** A network of capacitors and/or inductors that divides the audio signal into frequency bands (low, mid, and/or high) after it is amplified; see *active crossover*.

**passive radiator:** An unpowered speaker assembly that is placed in the port of a vented-enclosure system to extend the bass response; the movement of the powered assemblies moves the passive radiator.

**PCM (pulse-code modulation):** A system of recording that encodes an audio signal in a series of electrical or magnetic pulses representing binary numbers (ones and zeros). CD components, DAT decks, and digital signal processors all use PCM encoding.

**PDM (pulse-density modulation):** A signal-generation method, used in some 1-bit D/A converters. Signal information is represented by a series of pulses that have an identical amplitude and duration but are either positive or negative; the process requires the filtering of ultrasonic energy before an analog waveform can be recovered.

**peak indicator:** Usually a flashing LED on a tape recorder that indicates when transient signal levels have exceeded the recorder's ability to handle them without distortion; a supplement to recording-level meters.

**peak-reading meter:** A recording-level meter that rises rapidly and declines at a moderate speed so the user can judge the levels of transient peak waveforms.

**phase:** A term used to describe the time-domain characteristics of a speaker or component.

**phono:** Abbreviation for "phonograph"; refers to the low-level signals produced by a phono cartridge and to the phono input where a turntable is connected to a preamplifier, integrated amplifier, or receiver. Phono inputs use RCA connectors, sometimes called phono plugs.

**piezoelectric speaker:** A speaker (usually tweeter) that employs a ceramic element that expands or bends when fed a signal voltage, generating sound.

**pink noise:** A type of random noise that has a constant amount of energy in each octave; used as a test signal.

**PLL (phase-locked loop):** A type of tuner circuit that locks the received frequency to a synthesized reference frequency, which is usually generated by a quartz crystal.

**polarity:** An electrical convention that describes audio connections as positive and negative. To produce sound that is an accurate representation of the input signal, each speaker in a stereo pair must be properly wired to the power amplifier: the positive speaker lead to the positive terminal and the negative speaker lead to the negative terminal; see *reverse polarity*.

**port:** An opening in a bass-reflex speaker system that allows the sound wave from the back of a driver to reinforce the sound wave from the front, also called a vent.

**power amplifier:** A component, or part of a component, that strengthens the audio signal from a preamplifier so that it can drive speakers.

**preamplifier:** A component, or part of a component, that switches and processes audio signals from source components. Typically, preamplifiers amplify only the low-level phono signals from turntables (more precisely, from phono cartridges), raising them to the same level as signals from other source components (called "line level") and applying the necessary RIAA equalization.

**preset:** A memory position on a component that is either preprogrammed or can be programmed by the user. Tuner presets enable radio stations to be stored for instant recall, for example.

**programming:** The process of entering in instructions for a component to carry out at a later time. For instance, many compact disc players can be programmed to play selected tracks in any order.

**PWM (pulse-width modulation):** A signal-generation method, used in some 1-bit D/A converters, in which all of the signal pulses are of the same amplitude but of varying durations, or widths; the process requires the filtering of ultrasonic energy before an analog waveform can be recovered.

**Q:** In an equalizer, Q is a number that specifies the width of the frequency band relative to its level; the higher the number the narrower the band, or range of affected frequencies. In speakers, the impedance of a speaker peaks at its point of free-air resonance; here, Q is a ratio that describes the shape of the impedance curve around the point of resonance.

**quantization:** In a digital audio signal, the number of possible values available to represent various levels of amplitude. In the CD format, the resolution of the quantization is 16 bits, which means that each sample can have any value between zero and 65,535. Higher figures are better because they allow for more accuracy. See *sampling frequency*.

**quartz-synthesis:** See *PLL*.

**random access:** The ability to go directly to the beginning of a song, track, or program without having to scan the intervening material; the process is usually initiated using numbered buttons on a component's front panel or remote control.

**RCA connector:** The most common kind of connector, using a small, one-pin plug. RCA cables usually come in pairs, with the right channel marked in red, the left in black, gray, or white.

**receiver:** An audio component that performs three basic functions: receiving radio broadcasts, switching and processing audio signals, and amplifying the selected signal so it can drive speakers.

**recording-level meter:** An indicator on a tape recorder that displays the signal levels being recorded from moment to moment; recording-level meters are used to set proper recording levels.

**reverberation:** A dense pattern of echoes that results when music is played in an enclosed space. The more reflective the walls and surfaces of the listening space, the greater the reverb and, hence, the feeling of "spaciousness."

**reverse polarity:** An electrical condition in which the positive and negative wires running to one speaker in a stereo pair are reversed; this causes the sound wave emanating from the speakers to be out of sync with one another, which weakens bass performance.

**RF (radio frequency):** The high-frequency electromagnetic signals used to broadcast radio programs.

**RFI (radio-frequency interference):** Noise created by interference from strong, nearby radio broadcasts.

**RIAA:** The Recording Industry Association of America, which has set standards for the equalization used on phonograph records. To minimize noise and prevent overcutting, every record has reduced bass and boosted treble, and these characteristics must be compensated for during playback by the phono preamplifier.

**ribbon speaker:** A form of speaker driver using a light ribbon suspended in a magnetic field that generates sound when current is passed through it.

**rms (root mean square):** A common method of averaging power measurement.

**rolloff:** A gradual reduction in the level of a signal above or below a certain frequency.

**sampling frequency (or rate):** In digital audio, the number of times a signal is sampled each second. The standard sampling rate for the CD format is 44.1 kHz, which means each second of sound is encoded by 44,100 16-bit numbers for each channel. The sampling rate must be at least twice the highest frequency to be recorded.

**SAP (separate audio program):** A separate mono channel that is broadcast along with the two stereo channels in the MTS system for stereo TV. The SAP channel can be used for various purposes, such as providing an alternative soundtrack in a language different from that used on the primary channels.

**saturation:** A condition that occurs when an audio tape becomes fully magnetized and an increase in signal input level does not produce a corresponding increase in recorded level. Saturation also can occur in the magnetic structure of the tape heads.

**scan:** A tuner feature used to audition radio stations. On CD players, scan buttons can be used to move through a track.

**search:** On CD components, search buttons (identified by arrow symbols) are used to move quickly from track to track. On some tape decks, fast forward and rewind buttons can be used to automatically fast forward or rewind to the next or previous track; also known as "music" or "program" search.

**sensitivity:** A speaker measurement that tells how much sound in (dB) is produced at a specified distance (usually 1 meter) from the speaker when it is fed a specified input signal (usually

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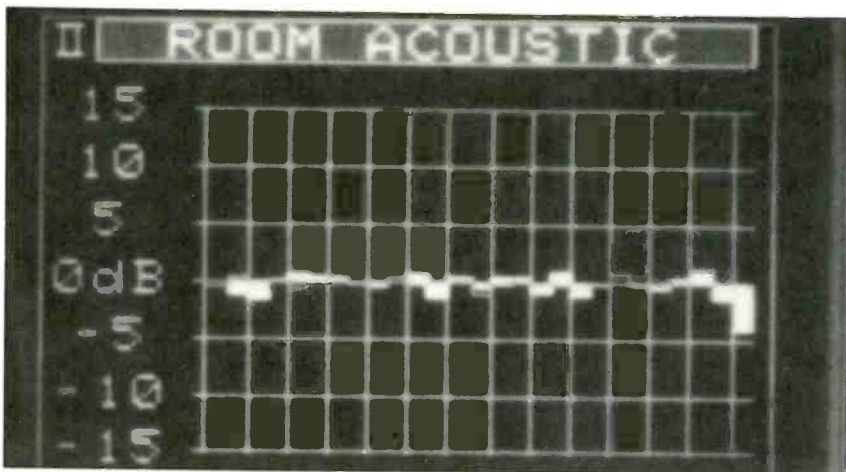
2.83 volts, or 1 watt, into 8 ohms); higher numbers are better.

**servo:** Short for servomechanism, a control system that uses an output signal as feedback, comparing it to a reference signal; the difference between the two is used to correct the output.

**signal:** An electrical current that is modulated (changed) to represent audio information.

**signal processor:** A component that in some way manipulates line-level audio signals; crossover and equalizers are the most common varieties.

**slope:** The rate at which a crossover attenuates out-of-band frequencies. Expressed in "dB per octave," typical slopes are 6, 12, 18, and 24 dB



per octave, which are also referred to as first-through fourth-order filters, respectively; the higher the number, the faster attenuation occurs.

**S/N (signal-to-noise ratio):** Measured in decibels (dB), the difference in level between a signal (usually a standard level) and the residual noise of the component through which it is passed; higher figures are better.

**solid state:** Electronic circuits whose active elements are transistors and integrated circuits (IC's).

**sound field:** A listening environment; see *ambience*.

**sound stage:** The reproduction of a sound field by a stereo system.

**source:** The signal that is played through a stereo system. Turntables, tape decks, and CD players are source components.

**speaker (or loudspeaker):** A component—typically conical in shape—that accepts audio signals from a receiver or amplifier and converts them into sound waves; also called a driver. The term is also used to describe enclosures with multiple drivers.

**speaker level:** Refers to amplified audio signals; see *line-level*.

**specification (spec):** A manufacturer's numerical measurement of a component's performance.

**SPL (sound-pressure level):** Expressed in dB, a measurement of acoustic energy, usually encountered in the sensitivity rating of a speaker; see *dB*.

**standing wave:** Peaks and dips in frequency response that are caused by the interaction of sound waves in an enclosed space.

**stereo:** The use of at least two channels—left and right; see *imaging*.

**stylus:** The needle-shaped material, usually diamond, at the end of the cantilever of a phono cartridge; its vibration as it traces the record grooves is translated by the cartridge into an electrical audio signal.

**subsonic filter:** See *infrasonic filter*.

**subwoofer:** A separate speaker designed to reproduce only low bass frequencies. Powered subwoofer systems contain an amplifier and crossover.

**supertweeter:** A tweeter used to reproduce only extremely high frequencies; usually found in four- or five-way speaker systems.

**surround sound:** See *Dolby Surround*, *Dolby Pro Logic*, and *THX*.

**tape monitor:** A switch on a tape recorder or preamplifier that allows the user to listen to a tape as it is being recorded to insure proper recording levels; on a preamp it may also support external signal processors.

**THD (total harmonic distortion):** The percentage of an audio output signal that consists of spurious harmonics, or multiples of the fundamental frequencies. These harmonics are introduced by an amplifier or other component through which the signal passes; lower figures are better.

**THX:** A certification for theater systems and components that adhere to sound-system standards and specifications developed by Lucasfilm. THX-certified systems are designed to reproduce Dolby Surround movie soundtracks with very high accuracy. Home THX systems include a control center with Dolby Pro Logic surround decoding plus additional equalization and signal processing, three front speakers (left, center, right), two rear surround speakers, and usually a subwoofer.

**tracking:** The ability of a CD player or phono cartridge to follow the pattern recorded on a CD or record.

**transient:** A sharp peak in the audio signal caused by the attack of musical instruments, especially percussion instruments.

**transistor:** The basic amplifying element used in most audio components; see *solid state*.

**transport:** The parts of a tape deck that move the tape, including the motor(s), hubs, capstan(s), and other mechanisms. In a CD player or turntable, the transport system rotates the CD or record.

**treble:** The upper part of the audio spectrum; see *bass* and *midrange*.

**tuner:** A component, or part of a component, that receives radio signals from an antenna, allows the user to select a station, and demodulates an audio signal from the broadcast RF signal.

**tweeter:** A speaker designed to reproduce high frequencies.

**two-way, three-way:** Refers to the number of frequency bands a speaker system's output is divided into. A two-way system has a woofer and a tweeter; a three-way system adds a midrange speaker to that configuration.

**usable sensitivity:** A tuner spec that indicates the minimum level of an incoming mono signal that's required to produce a satisfactory output signal, one with no more than 3 percent combined noise and distortion; lower figures are better.

**vent:** See *port*.

**volt:** The measurement unit of voltage.

**voltage:** The amount of work required to move electrical current from one point to another; measured in volts.

**waveform:** A graphical representation of an audio signal: The curve that results when the instantaneous voltage (vertical axis) is plotted across time (horizontal axis); the positive-going portion of a waveform moves upward and the negative-going portion downward.

**W/ch (watts per channel):** A specification that indicates how much power a stereo amplifier or receiver will deliver to each of a pair of speakers.

**W&F (wow-and-flutter):** A specification indicating the speed accuracy of mechanical components such as turntables and tape decks; lower figures are better.

**woofer:** A speaker designed to reproduce low frequencies.

**wow:** A measurement of slow speed variations; see *W&F*.

**zero-cross distortion:** A low-level glitch that occurs in some CD components when the analog output produced by its D/A converter(s) crosses the zero axis between positive and negative voltage.

**zone:** In the context of a multiroom system, a listening area. □

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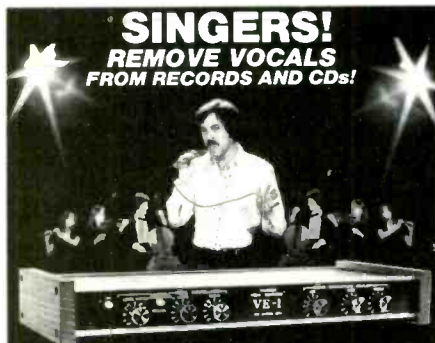
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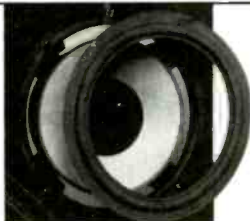
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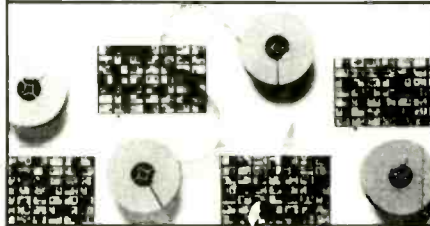
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