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buyers' 1986 guide

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Stereo Review's

STEREO buyers' guide 1986

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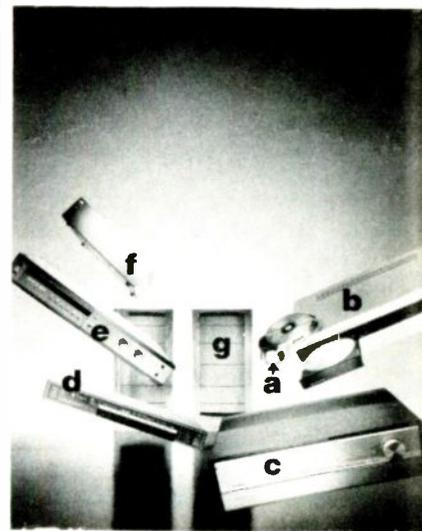
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Cover components: A—Sony MDR-CD5 headphones (see product listing on page 162), B—Harman Kardon HD-500 Compact Disc player (page 176), C—Denon PRA2000Z preamplifier (page 53), D—Pioneer TX-V1160 tuner (page 64), E—ADS C3 cassette deck (page 88), F—NAD 2200 "Power Tracker" power amplifier (page 47), G—Martin-Logan CLS speakers (page 145)

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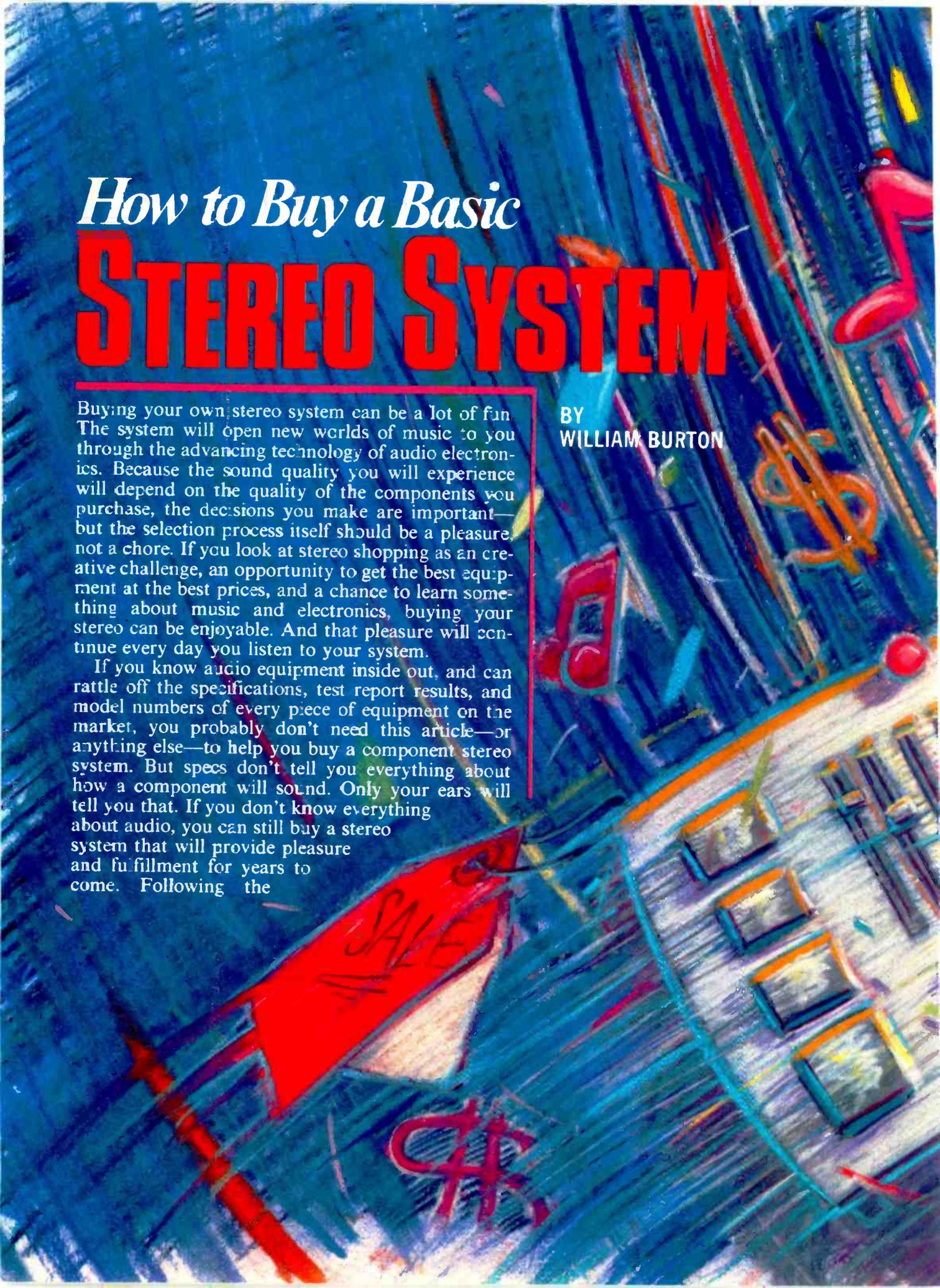
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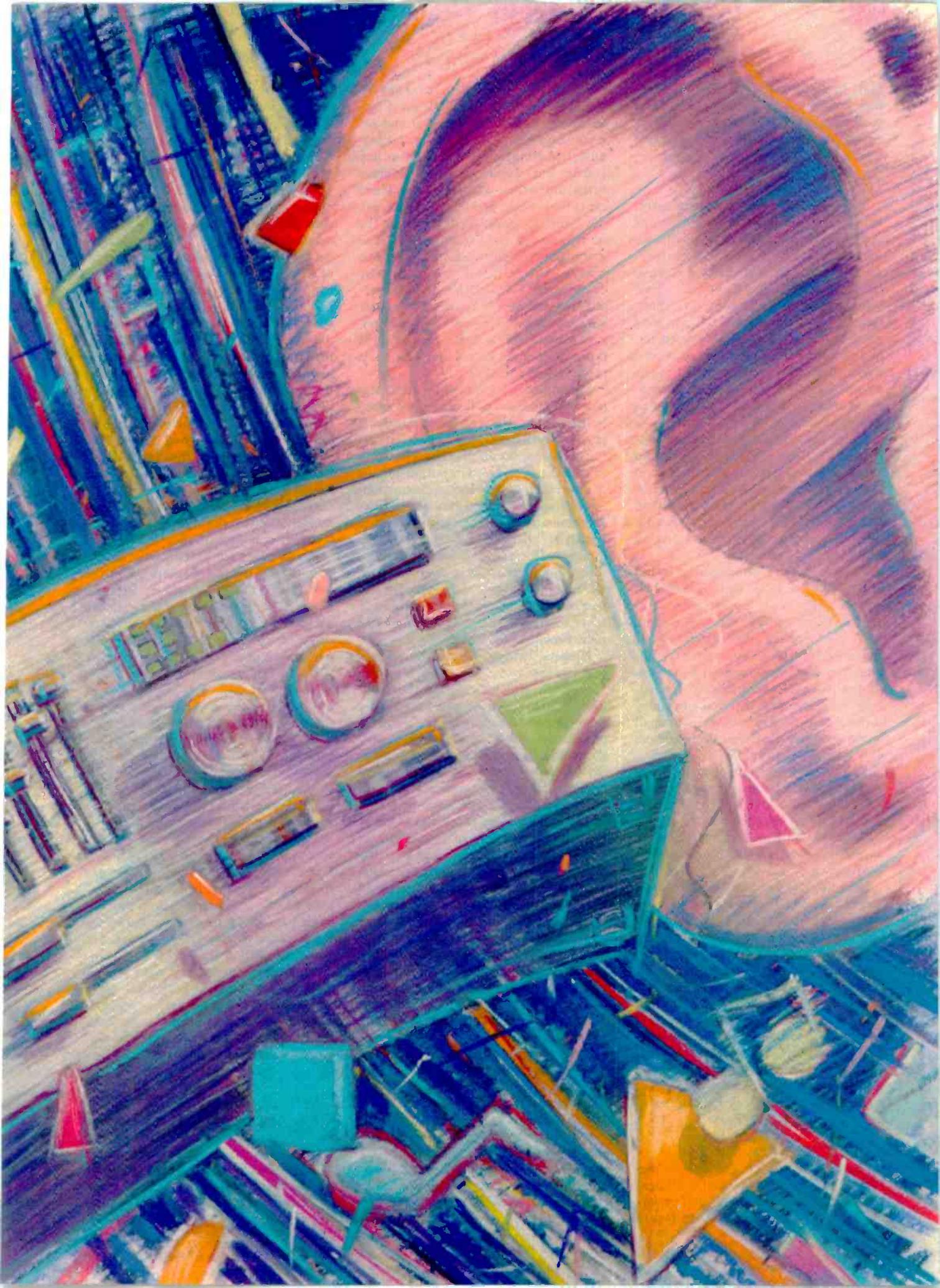
How to Buy a Basic

STEREO SYSTEM

Buying your own stereo system can be a lot of fun. The system will open new worlds of music to you through the advancing technology of audio electronics. Because the sound quality you will experience will depend on the quality of the components you purchase, the decisions you make are important—but the selection process itself should be a pleasure, not a chore. If you look at stereo shopping as an creative challenge, an opportunity to get the best equipment at the best prices, and a chance to learn something about music and electronics, buying your stereo can be enjoyable. And that pleasure will continue every day you listen to your system.

If you know audio equipment inside out, and can rattle off the specifications, test report results, and model numbers of every piece of equipment on the market, you probably don't need this article—or anything else—to help you buy a component stereo system. But specs don't tell you everything about how a component will sound. Only your ears will tell you that. If you don't know everything about audio, you can still buy a stereo system that will provide pleasure and fulfillment for years to come. Following the

BY
WILLIAM BURTON



hints in this article, examining the listings in this guide, reading test reports such as those in *Stereo Review*, and listening to the advice of knowledgeable friends will all aid you in your quest.

Listen to Live Music

To prepare for your shopping spree, listen to music *as it should be heard*—live, as it is being produced, so you can judge the quality of a system that reproduces music. Go to concerts and make mental notes of what makes the music sound good—the impact of sharp transients, the contrast of soft and loud passages, the wide range of frequencies, and the absence of tape hiss or record noise. Remember what real music sounds like so you can select components that can reproduce that ideal as closely as possible.

Listen to high-quality component systems at the homes of friends or in audio stores. This will give you an idea of good reproduction, and while you may not be able to afford such a “reference” system, just as you may not be able to afford a live orchestra, it will set a standard, a goal to aim for.

A basic stereo system cannot sound exactly like live music, but fortunately it will probably play in a living room rather than a concert hall. Before you shop, think about where you’ll listen to your stereo system. Huge speakers may impress you in the showroom with their authoritative bass and dramatic fortissimos, but remember that you can’t play them that loud if you live in a small apartment with cantankerous neighbors only a thin wall away.

The size of your listening room is important not only because it must contain the equipment you’ll buy, but because that is also the space you will want to fill with sound. Large rooms require more amplifier power, and/or more efficient speakers.

Because different materials reflect or absorb sound, the decor of your listening room will influence the sound your system produces. A room with heavy drapes, overstuffed furniture, and plush carpeting will absorb sound. More amplification, more efficient speakers, and careful speaker placement (*not* behind the sofa) might be required for good sound reproduction in such an acoustically “dead” room. A room that is acoustically “live,” with hard wood floors, bare walls, and many windows to reflect sound waves, will not require as much power as a dead room.

Component Systems

Ideally, there would be nothing between the original music and the listener. Unfortunately, simplicity and performance have not been brought together to

this extent—simple systems tend to sound like tinny mush, while good systems tend to be fairly complex and expensive. So you’re looking for a compromise, something simple enough to buy and use, but something that will produce better sound than your telephone. There are three kinds of stereo systems you can buy—the one-brand system, where the components are selected by the manufacturer—store-selected systems, where the dealer matches the components—and the do-it-yourself mix-and-match system. No matter who selects the pieces, all basic component stereo systems are made up of three types of components: signal sources, a receiver, and speakers.

Signal sources provide the audio signals which are amplified and processed by the rest of the system. A *turntable* plays records, with the help of a cartridge that tracks the disc and a tonearm to hold the cartridge. The output voltage of a turntable is very low, requiring amplification and equalization. Three other common signal sources put out higher signals at what is called “line level.” A *Compact Disc player* plays the 4.7-inch digital Compact Discs by means of a laser. Likewise, a *tape deck* will record and play back cassette (or open-reel) tapes. A *tuner* receives and selects AM and FM radio broadcasts.

However, you don’t have to buy a tuner if you buy a

receiver, which performs the functions that would otherwise be done by three separate components in a more sophisticated system. A receiver performs the functions of the *tuner*, the *preamplifier* (or *control amplifier*), and the *power amplifier*. The preamplifier section of the receiver contains the basic switching and sound-processing controls. One of the primary functions of a preamp is to amplify the cartridge output of a turntable up to line level. The preamp section can also modify the sound by means of tone controls, adjust the balance between the two channels, set the volume level, select which signal source will be heard, and so on. The power amplifier section of the receiver takes the line-level signal and makes it powerful enough to drive the

speakers, which produce sound by tuning electrical power into vibrations of a diaphragm (usually a cone or a dome). The various cones and domes making up a speaker are called *drivers*, and the box that contains them is called an *enclosure*. A basic speaker will have two (or possibly three) drivers—one for the low sounds and one for the high sounds. (A three-way system will also include a separate midrange driver for the sounds in the middle of the frequency range). The low-frequency driver is ordinarily

called the *woofer*, and the high-frequency one is called the *tweeter*. Keep these straight by thinking of the low *woof* of a dog and the high *tweet* of a bird.

Budgeting Your Money

These are the components you need to create a basic system: signal sources, a receiver, and speakers. Now you must decide how much you’ll have to spend to get them. A basic stereo system, made up of a receiver, speakers, and one signal source, might cost somewhere between \$500 and \$1,000. If you have less to spend, consider used equipment, shop at discounters, or make your purchase by mail order. It’s not a good idea to buy used turntables, cartridges, cassette decks, or other components with moving parts that can wear out. Used amplifiers, receivers, and other all-electronic components can sound as good as new. (Beware of used speakers, and test them out thoroughly before handing over your money.)

Once you’ve decided on your total budget, allocate the money among the different components. For a \$500 system, you might put \$150 into the receiver and \$200 for the speakers. With the remaining \$150, you could try to find a cheap CD player, buy a fair cassette deck, or get a budget turntable for \$100 and a cartridge for \$50. Choose the signal source that will play the software (CD, LP, or cassette) of your choice. Roughly, figure on 30% of your budget for the receiver, 30% for your signal source, and 40% for the speakers.

In one-brand systems, the dollar allocations are already made for you. In fact, a consumer usually can’t find out how the manufacturer has “budgeted” a one-brand system since the consumer is only quoted one price for the system.

Compared to an equivalent component system, a one-brand tends to have a lower resale value, and usually has speakers of inferior quality. If you are interested in a one-brand, see if you can buy it without the speakers, and shop for the speakers separately. One-brands are also difficult to upgrade by changing individual components, and their styling options are limited (although their matched look can be attractive). Since so many of the choices are made for you, the components may not have the features you want; and you may pay for features you don’t want.

Choosing Components

Assuming you know what you want, you’ve got to work on matching the pieces to your room and to each other. As far as the size of the components, you are the best judge of that. If you want speakers as large as refrigerators in your bedroom, then that’s fine. But remember

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that you should balance three factors—your room, the power of the receiver, and the efficiency of your speakers. If you don't balance these factors, you may not be able to play your stereo system as loud as you like—or it may distort terribly when you do—or you may pay a lot of money for a powerful receiver or super-efficient speakers when you don't need them.

Choosing Your Speakers. Speakers being considered for a basic system will react much the same way to the signal sent to them by a receiver, differing mainly in their efficiency, their frequency response, and in the resistance to the power they are receiving (this last concept is known as *impedance*).

Efficiency is a measure of the sound a speaker puts out compared to the amplifier power going in. This is indicated by the related (but not equivalent) specification of *sensitivity*. Sensitivity is measured by putting one watt of power into a speaker and seeing how loud the sound is one meter directly in front of it. Sensitivity is important because a 3-dB increase in sensitivity means that you can obtain the same sound levels from an amplifier or receiver which is *half* as powerful.

In addition to sensitivity, another important specification of speakers is *frequency response*. A frequency response spec might look like this: 20-20,000 Hz \pm 3 dB. This means that the speaker will play with a loudness which does not vary by more than three decibels up or down as a steady test-oscillator frequency varies between 20 and 20,000 Hz. Unfortunately, most printed loudspeaker specifications are not comparable to each other since the methods for obtaining the spec differ so widely between companies. You should completely ignore any speaker response which does not contain a tolerance limit (like the "plus or minus 3 dB" above). About the only part of a speaker frequency-response specification like the one above which can be depended on for some useful information is the low-end limit (20 Hz in this case). If you like low bass, as I do, look for a frequency response that goes down pretty far.

The most important thing about frequency response is that a speaker should sound natural and pleasing to your ears—no frequency should be slighted, no part of the sonic spectrum should be overemphasized. A good test of a speaker is to listen to a male announcer on FM radio: many poor speakers will overemphasize the upper bass to hide a lack of low bass and to add a bit more 'punch' to rock and disco music. This will make male voices sound boomy and chesty, as if the announcer were in a barrel. An upper-bass boost is often accompanied by an upper-midrange boost. This sound quality may be seductive in a store, but

can become unbearable in long-term listening at home, especially after your ears become trained to listen for good sound quality. The upper-midrange overemphasis can impart an unpleasant "edge" to a well-recorded string orchestra or a female vocalist.

When comparing speakers in a showroom, follow these simple rules:

1. Using FM interstation noise, match the volume levels of the two speakers you are comparing. Most listeners prefer the louder speaker in a comparison, regardless of the quality of the softer speaker.

2. Make sure the dealer is displaying the speakers in their recommended placements. Speakers meant to be placed on shelves should be on shelves, both in the store and when you get them home.

3. Listen to a wide variety of source material, good and bad. A bad recording will make a borderline speaker sound awful.

4. Try to arrange a home audition of the speakers before you buy them, and/or make sure your dealer will give you your money back or apply the purchase price in full to another, more satisfactory pair of speakers.

Choosing a Receiver. Since the primary job of the receiver is powering the speakers, you have to know how much power you need. This may appear to be a simple question, but the debate in the audio community continues to rage on over this topic. The definitive answer is that there is no definitive answer—it depends, as mentioned above, on the size and acoustical properties of your listening room and its furnishings, the efficiency of your speakers, and lastly (but probably most importantly) on how loud you want your music.

Handy rules of thumb:

1. Only by doubling amplifier power will you be able to obtain an *audibly significant* increase in sound level (a 3-dB improvement).

2. An amplifier or receiver which has a power rating into 4-ohm loads which is higher than that for 8-ohm loads is better than an amp or receiver with a 4-ohm rating lower than that for 8-ohm loads.

3. If a *dynamic headroom* rating is given, the higher the better.

4. Buy as much amplifier power as you can afford—but *after* deciding on the other components in your system: you can never have too much amplifier power.

Amplifier or receiver output power is measured in watts (like light bulbs) and is usually given in this formulation in data sheets: "25 W/ch from 20-20,000 Hz with no more than 0.05% total harmonic distortion." The most important part of this specification is the first number, which is the output power rating.

For equipment of acceptable quality, frequency bandwidths are usually wide enough and distortion levels usually so low that both specifications can be safely ignored.

It is debatable whether any receiver from a reputable manufacturer sounds significantly different from any other reputable receiver—as long as their power ratings are the same and neither of them is being overloaded. Differences in distortion, signal-to-noise ratio, damping factor, and a host of other technical parameters can be measured, but the sonic differences between most receivers—when they are not asked to produce beyond their ability—are slight. So, if you want, you can listen to every receiver in your price range and buy the one you think sounds best, but you should consider factors such as power output, ease of use, and special features.

Since the receiver includes a tuner, you'll have to choose between digital tuning and tuning on an analog "slide rule" scale. To decide on the type of tuning, operate both digital and analog tuning on a variety of receivers and see what suits your fancy. But watch out: a front-panel digital readout of the tuner frequency is sometimes used as a lure for the novice—it may indeed mean that the station is locked to a digitally synthesized reference frequency for precise and accurate reception, but it may only mean that the frequency of the station being received is displayed in numbers. Digital-synthesis tuning is being found on less expensive equipment as time goes on, and it does provide excellent performance with greatly increased convenience.

In evaluating the preamplifier functions, make sure the receivers you consider have enough inputs for the signal sources you plan to use. It's better to have too many than too few. And decide how much tailoring of the sound you would like to do with tone controls. Other useful functions include connections and switching for two tape decks (even if you only have one recorder, you can hook many other accessories to the other tape connections), connections and switching for more than one pair of speakers, a headphone output, and an infrasonic—sometimes miscalled "subsonic"—filter (for removing inevitable and amplifier-power-consuming ultra-low-frequency rumble noises coming from the turntable).

Choosing Signal Sources. Since we're now working backwards in the audio chain, from the speakers through the receiver to the signal sources, we come to the most interesting components last. Which ones you'll look for will depend on what software (LPs, CDs, cassettes) you plan to buy. Each has its advan-

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tages and disadvantages.

More music is released on LP than in any other form. LPs sound pretty good, with a good frequency range. Distortion ranges from the inaudible to the unbearable. Wow-and-flutter (speed variations) range from the acceptable to the nauseating. They're cheap and convenient, but they are fragile and get noisy if you don't take good care of them. And LPs require careful setup and maintenance of the cartridge, tonearm, and turntable for best results.

Less music has been released on CD than in any other form, but that number is increasing as more record companies commit themselves to Compact Disc. CDs sound better than LPs, with stronger lows, sharper highs, and clearer midranges, with negligible distortion and far less noise. Early claims of the digital discs' indestructibility were generally exaggerated, but CDs are much less fragile than LPs, and any fingerprints or dust that can cause mistracking are easily wiped away. CDs are expensive, although prices are already below the level of audiophile LPs, which they are fast replacing.

Prerecorded cassettes have increased in popularity (despite the poor quality of most but the audiophile cassettes) because of their convenience and their use in car stereos, portable players, and pocket stereos. Many people simply dub discs at home onto cassette to take their music with them, and to protect the disc from the damage caused by repeated playing and handling.

Since you have a signal source (the tuner) built into your receiver, you can add the others when you can afford them. You must balance the performance of the component with the cost, considering the inherent capabilities of each format and the comparative availability of software.

Turntables (and Cartridges). If you've decided to get a turntable, you need to decide on (1) the type of drive system, (2) the degree of automation, and (3) the type of tonearm.

(1) Turntable platters are usually turned either by a belt attached to the motor spindle (belt drive), or by the motor spindle directly (direct drive). Whatever the drive system, smooth and even motion is desired, and this is indicated by a low wow & flutter specification. (Wow is a slow speed variation—flutter is fast one.) You also want a quiet turntable, so look for a low rumble spec as well. Most turntables have acceptable rumble specifications, however, except for the least expensive.

(2) Fully automatic turntables will start the record spinning and lower the stylus into the lead-in groove, and will lift the arm and return it to its rest at

the end of the record. A semiautomatic turntable generally will only return the arm to its rest or just lift it up automatically. A manual turntable requires that you move the stylus on and off the disc. Less automated turntables, because they are simpler, can be more reliable, but automatics may be kinder to your tender vinyl.

(3) Tonearms hold the cartridge as the stylus follows the grooves of the record. Tonearms themselves move in two ways, either in a gentle arc (if they are pivoted), or in a straight line (if they move along a track on the turntable). The latter are called *linear-tracking arms* because they guide the cartridge in a straight line, so that the stylus tracks the grooves in the same way the record was cut, reducing tracking error and its associated distortion. Pivoted arms, because they move the cartridge in an arc, hold it at varying angles to the groove. The differences in distortion according to type are generally inaudibly small, however, and a well-designed pivoted arm can perform as well as a linear-tracking one.

Don't neglect the smallest—but pound for pound the most expensive—component, the one that affects the sound more than any other except for the speakers, the tiny cartridge with its tinier stylus that must negotiate the canyons of an LP, vibrating as fast as 20,000 times per second. An LP can sound no better than the cartridge permits. Look for a cartridge with a recommended tracking force range below 2 grams to minimize record wear. Always set the tracking force in the higher portion of a cartridge's rated range.

One of the most frustrating operations in setting up a stereo system is the installation of a cartridge in a tonearm, particularly if you have average or larger-than-average fingers, or are generally clumsy. A recent development in the turntable/cartridge field is the P-Mount cartridge, which will plug directly into a P-Mount tonearm and be instantly adjusted for correct alignment and tracking force. To avoid the delicate operation of mounting and adjusting a standard cartridge, buy a P-Mount cartridge and a turntable with a P-Mount-compatible arm. Many cartridge manufacturers make cartridges that will work in both standard and P-Mount arms.

Compact Disc Players. When buying a CD player, you need to weigh features against price. Audio performance of tested units has been uniformly excellent, so the buying decision depends on whether you are willing to pay for a high degree of programmability, remote control, or other features. Much is made of sonic differences between players, but you should trust your ears more than anyone else's. Consider portable CD players such as the new Technics or

the Sony, for they can be plugged into home systems as well.

Tape Decks. With a tape deck, consider what you will use it for, and try to find the best compromise between audio performance, convenience features, and price. Auto-reverse decks and double cassette decks (with two transports, enabling copying of a cassette) are becoming more popular, but these capabilities will increase the cost—or require that other features be skimmed on. Don't buy a cassette deck without a noise-reduction system such as Dolby B, if indeed any are still being made. Advanced noise-reduction systems such as Dolby C and dbx will reduce tape noise to a greater extent than the common Dolby B system.

Shopping Tips

Lastly, some words on shopping. *Be prepared*—listen to live music, audition reference systems, do your reading, consult friends, and get an idea of what you want even before you step into a store. You might even be able to find specific components in this buyers' guide or in ads that you would like to audition. You'll learn a lot in the store (unless it's a bargain-basement discounter who sells audio equipment with the same sensitivity that they apply to selling washing machines or porno videotapes), but being prepared will help you to learn even more.

Try all kinds of stores—audio salons, stereo chain stores, department stores, and discounters. They each have their advantages and disadvantages, and one or another may be right because of price, selection, convenience, service, or just how you feel about a particular store. Being friends with your audio dealer can be very helpful if your system doesn't sound half as good at home as it did in the showroom.

Remember, you're buying this stereo system for your ears and your music. Take both along when you shop. Depending on which signal source(s) you favor, take an LP, a CD, or a cassette—or all three. Choose contrasting selections that you know well, but keep in mind that you are testing components—especially speakers—by how they reproduce all types of musical sounds: the pedal notes of a Bach fugue, the soaring violins of a Mozart concerto, the synthetic bass of *Orchestral Manoeuvres in the Dark*, and the shrieks of Robert Plant. Be sure to listen to the musical instrument you hear most often—the human voice. If the vocals sound good, the vital midrange area is good and will keep guitars, pianos, and almost everything else well balanced.

Finally, don't forget to have a good time. That's what music is all about. □



S-X1130 Audio/Video/Stereo Receiver

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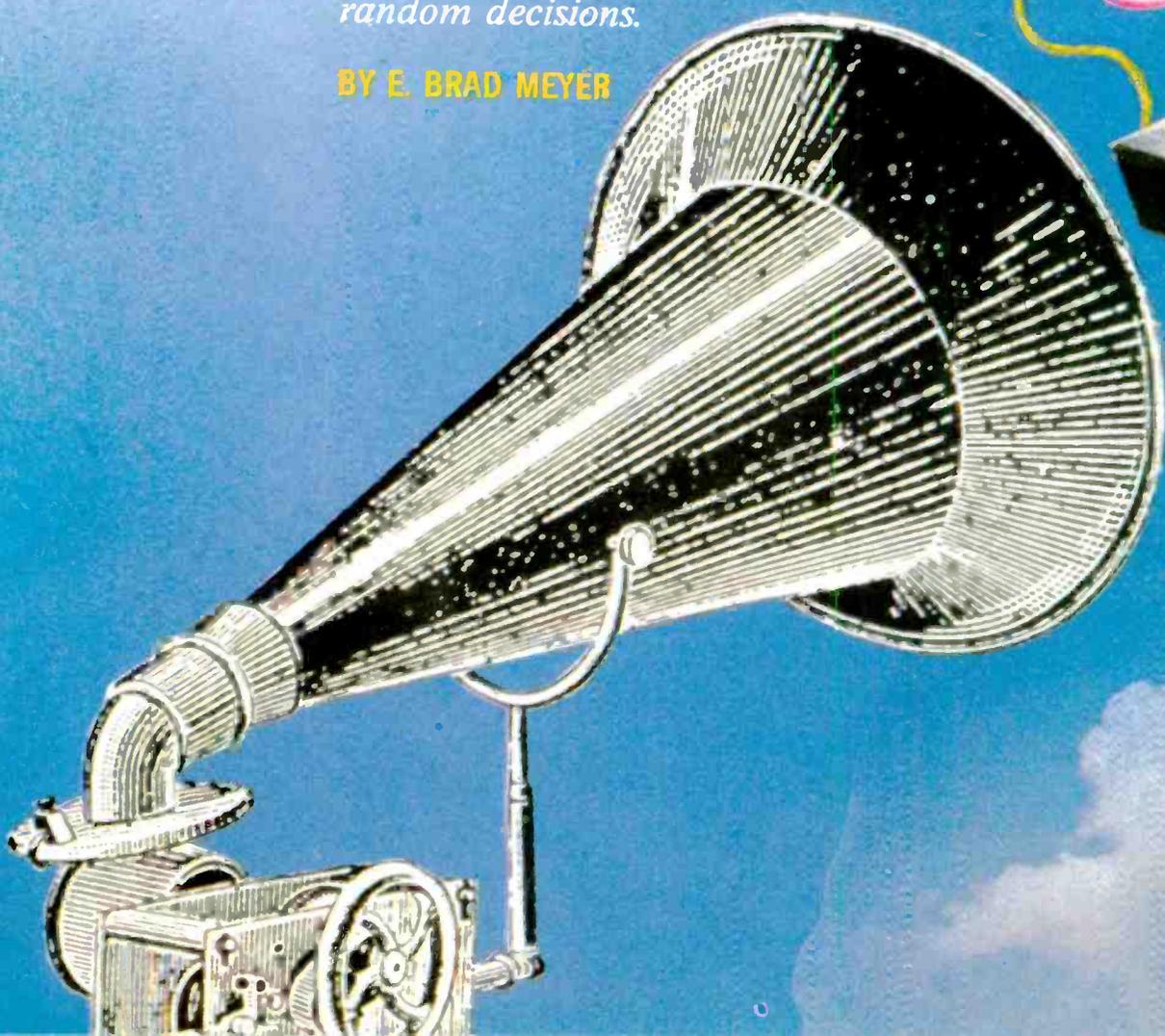


Putting More Pleasure in Sound.

UPGRADING *Your Stereo* SYSTEM

*Replacing outdated components
with new ones is not a simple
process. It requires an insight
that goes beyond
random decisions.*

BY E. BRAD MEYER





Does your turntable take more than an hour to get up to the correct working speed? Are you wondering what those new speakers that Julian Hirsch liked so much would sound like in your living room? Are you tired of flipping your cassettes over at the end of each side and gazing longingly at auto-reverse decks? Are you ready to add a Compact Disc

player or a subwoofer to your present system? Do you want more control over the sound of your system than just bass and treble controls allow? Is there any component in your rack that you can't stand to look at any more? If your answer is "Yes!" to these or similar questions, it's time for you to upgrade.

Trading in old equipment for

new is a process that is not always subject to rational analysis. You may be browsing aimlessly in your local audio emporium when, with no warning at all, some new component catches your eye. Fifteen minutes later, your wallet a bit lighter or your debts a bit larger, the salesperson is holding the front door open so you can wrestle a big heavy carton out of the store.

The causes of this pleasant form of madness are mysterious, and there is no known cure. But there *are* situations in which it is both reasonable and proper to look for better equipment—for reasons that are not mysterious at all. How can you identify these situations, and how do you deal with them?

Compact Disc Players

If you bought a CD player in 1983, when they were first available, you may already want to upgrade. While some early players had many features, they were large and expensive. With many more players available, and at much lower prices, you may want to upgrade to a player with more features, or one with different circuit topologies, or different cosmetics, or whatever. Or you may want to buy a portable CD player to take digital sound with you.

If you are looking to buy your first CD player, you have to balance price against features. The remote-controlled models are more expensive, and players that are claimed to be sonically superior usually sell for premium prices. The software is still more expensive than software for LP players, but wild-eyed prognosticators predict that CDs will be as cheap as LPs within five years.

Two important questions for the prospective CD buyer concern the future development of hardware: Will it sound better? And will it get cheaper? Despite the conflicting claims of player manufacturers, it appears that differences between CD players of whatever type or price will be on the order of the differences between preamplifiers. In other words, while they may matter a lot to a few people, the sonic differences will be subtle and possibly inaudible to many. Steady but minor improvements will be made in the ability of players to track damaged or dirty discs, but remember that pristine discs play perfectly on almost any player.

As for price, we can expect a steady drop into the \$250 to \$400 range. But one of the most attractive things about the new format is its convenience and versatility—remote control, for example, is extremely habit-forming. With remote models available now from discoun- ters for around \$350, the fancier units may actually be the more attractive choice.

Beyond remote control, features you may want include programming, either random or sequential, repeat functions, access functions, and features that may be limited to a very few number of players. Players are limited to a maximum number of tracks that may be programmed into memory for playback. Some players can be programmed for as few as ten or fifteen tracks, while others may handle as many as ninety-nine. If a player has random programming, you can program track 12, then 2, then 23, then 9, and so on. If the player only has sequential programming, you have to follow the order in the program according to the order on the disc.

Phono Cartridges

Some pieces of old stereo equipment should be replaced because of the effects of age and wear. Others have been rendered obsolete by advances in equipment design and execution. If it is more than two years old, your cartridge should probably be replaced for both these reasons. First, and most important, a worn stylus generates audible distortion and *ruins records*. If you notice any increase *at all* in harshness, graininess, or “shattering” on loud passages, especially near the end of a side, clean the stylus. If that doesn’t fix things, replace the stylus. If that doesn’t help, try a different cartridge. Cartridges should be checked at least every year. Replacing them every two years is a good idea.

The biggest improvement in cartridges appears in the top-of-the-line models equipped with a “line-contact” stylus. This type has a tall, narrow area of groove contact to improve tracking while reducing the pressure on the disc—and thus reducing stylus and record wear. Recent improvements in the surface polish of diamond tips will also increase the longevity of both stylus and vinyl. And, thanks to advances in cantilever materials, the moving mass of stylus assemblies continues to shrink, improving high-frequency tracking ability and lessening the probability of disc-damaging mistracking.

The part of the cartridge that generates the electrical signal is also getting better in every price category as the manufacturing technology improves. One result is that moving-coil designs have become cheaper. Besides, moving-coil cartridges now more often yield a high enough signal output to eliminate the need for a separate pre-preamplifier or step-up transformer.

Turntables and Tonearms

Although your turntable may outlast several cartridges, it too may eventually be due for replacement. The most common sign of age in a turntable/arm com-

bination is increased low-frequency noise. Most modern turntables are quite free of rumble when new, but the bearings may wear out or be damaged if the unit is moved without proper packing or handling. On models that have them, drive belts can stiffen or decay with age and start to transmit motor vibration to the platter. This problem typically becomes naggingly annoying long before it is clearly identifiable. To check for it, turn up the bass control with a record playing at normal volume and see if you can hear the rumble.

Of course, as recordings get better and disc surfaces get quieter, what counts as “normal volume” increases, revealing more noise and raising the likelihood of acoustic or mechanical feedback. The best way to fight feedback is to isolate the platter and arm on a separate, softly sprung subchassis. This type of construction is becoming more widely available at lower prices, making it easier to choose such a turntable to fit your budget.

Arms too have improved in the past year or two, becoming both lighter and more rigid. Straight-line trackers, with their decreased tracking-angle error and generally lower mass, now appear not only in exotic high-end designs but also in mass-produced one-piece turntables at prices as low as \$150.

Preamplifiers

If you go shopping for a moving-magnet cartridge, you should at the same time consider a preamp that will allow you to fine-tune its response with variable resistive and capacitive loading. And if you wind up with a low-output moving-coil phono cartridge, you may want a built-in high-gain pre-preamplifier.

The most obvious time to consider a new preamp is when your system outgrows the control facilities of the old one. If your preamp has two line-level inputs—tuner and aux, say—you can accommodate a tuner and a CD player, but if you decide to use the system for video sound as well, you’re in for a lot of tire-some plugging and unplugging. One of the new Beta Hi-Fi or VHS Hi-Fi video recorders with high-performance audio circuitry will take up another separate tape-monitor loop. In addition, you may have a separate video-component tuner, a video-disc player, and maybe, for good measure, the audio output from a home computer or electronic keyboard. Of course, if you don’t want to give up your present preamp, a separate switch box may solve these problems more simply and cheaply than upgrading.

Some preamps develop noisy or intermittent switches and controls after a year or two. These problems usually

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yield to a generous application of spray-type tuner cleaner into the interior of the offending part. If you don't care to open up your equipment, a service shop can do the job for you.

Tuners

If your tuner sounds all right to you, there is probably no need to replace it. This is especially true if it was made after 1975 or so, since by that time most internally adjustable parts were replaced with all-solid-state devices. In the majority of FM-reception conditions, the limitation on the tuner's performance comes either from the broadcast signal or from the receiving antenna, so it is the latter component that should get your attention first if you're having radio (or TV) reception problems.

Some recent tuner designs (such as those from Carver Corporation and Proton) have pushed back the thresholds of sensitivity and multipath rejection to a significant degree, but unless you do a lot of listening to distant or weak stations these circuit improvements aren't likely to matter much to you. You may, of course, want the increased convenience of pushbutton station presets or automated scanning, in which case there are plenty of new designs to tempt you.

Some new tuners have automatic or switchable antenna attenuation to reduce interference from powerful nearby stations.

Cassette Decks

Most of the audible problems with tape decks—increased background noise, rolled-off high frequencies, and flutter—are usually signs of lack of maintenance. Before you head for the store, clean and demagnetize the entire tape path. If that doesn't improve the high frequencies, take the machine to a shop and tell them to check for head wear or misalignment. Worn heads can be replaced, but the expense is considerable, and if the deck is more than three or four years old you may do better to look for a new recorder altogether. If flutter is the problem, tell the repair person to clean the interior of the transport and install new parts if necessary (and possible). Even then, of course, the speed may not be quite as constant as on the best new decks.

What you'll get from a new deck that a refurbished old one can't give you is a newer and more powerful noise-reduction system, affording wider dynamic range and extended high-frequency headroom. Switching to a recorder with

either Dolby C or dbx will improve your recordings substantially, but be sure to consult an independent test report to verify the recorder's behavior with the noise reduction operating. Some of the newest auto-reverse decks offer very rapid direction switching, and a few even have three-head monitoring capability.

Other Tape Decks

If you have a reel-to-reel deck, you may want to upgrade to a cassette deck. If you have a cassette deck, you may want to upgrade to a reel-to-reel deck. It just depends on what you want. Open-reel offers excellent quality, easy editing, and long playing times, but with the disadvantages of inconvenience, large size, and little prerecorded material. Cassette decks allow you to choose from the large number of prerecorded tapes available. (Prerecorded cassettes vary widely in quality, so buy carefully. Some are duplicated on cheap tape at high speeds and sound awful.) And the quality of good cassette decks is amazingly high, considering how slowly cassette tape moves (only 1 7/8 inches per second).

Power Amplifiers

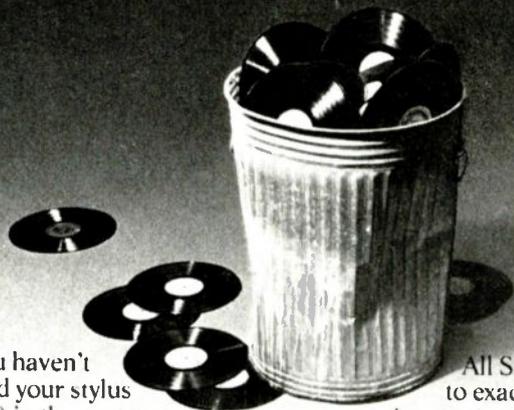
Increased output power is the principal reason to trade up from your present model. If there's a crackling sound behind that bass drum in your new recording of *Carmina Burana*, if the chorus sounds congested, or if the sound at your disco party is harsh and unpleasant, you may be running out of power.

The greatest demands on a power amplifier occur mainly on brief musical peaks. Many modern amps have efficient power supplies that give extra headroom to handle high peaks at considerable savings in size, weight, and cost compared with older models with equivalent peak output. But don't expect greatly improved performance from a modest increase in rated output power; remember the logarithmic nature of the hearing process. It generally takes an increase in power by a factor of *three or more* to make an appreciable difference in *average* loudness.

There are two more healthy trends in amplifier design. The first is toward larger output-current capacity, deservedly acknowledged as the most important factor in driving typical reactive loudspeaker loads. The second is the increasing use of MOSFET output devices whose thermal stability obviates the need for potentially troublesome protection circuits.

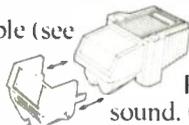
Although wide dynamic range is by no means restricted to digital media, Compact Discs with their low background noise and freedom from acoustic feedback do encourage greater average playing levels. It is on the power

Stylus wear. By the time you hear it, it's too late.



If you haven't replaced your stylus (needle) in the past year, you may be permanently damaging every record you play.

Replacing your stylus is simple (see diagram). And selecting the proper stylus to replace it with is also easy. Make certain it's a genuine Shure stylus.



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amplifier that the new digital technology makes its greatest demands.

Receivers

Since receivers combine the functions of a power amplifier, a tuner, and a pre-amplifier in a single chassis, any of the reasons to update those components will apply to the receiver. Since receivers have so many functions and buttons and lights and dials, it should be easy for you to think up lots of reasons why you need a new one. If you do decide to upgrade your receiver, there are three paths you can take:

1. Replace it with another receiver. A new receiver can have more power, more inputs, a better tuner, or all of the above. A new receiver could have more presets for additional stations, memory scan, or a built-in graphic equalizer.
2. Replace it with an integrated amplifier (combining a power amp and a preamp in the same chassis) and a tuner.
3. Replace it with a full set of separates: a power amp, a preamp, and a tuner. This will give you the widest choice of features and the least need for compromise, as well as two more components that you can upgrade at a later time.

Speakers

Speakers are the only components that get replaced almost exclusively because of changes in *you*, not in them. Speakers don't wear out or sound significantly different over time, unless, of course, a driver is damaged. Instead, you begin to hear them differently. This could happen because you buy better recordings or because your new power amplifier pushes them harder. More likely, you hear them differently because of education that takes place over hours of careful listening.

If you have developed an interest in chamber music, for instance, you may discover that your speakers don't create an image as convincing as you want. Or, most tempting of all, you could have been won over by hearing a friend's new speakers. Colorations that didn't bother you at first start to irritate as you notice their effect on everything you hear. The same goes for performance limitations at the frequency extremes (the top and bottom octaves).

Speaking of that bottom octave, there are two ways you can restore those low notes. You can toss out your present speakers and buy a new pair with better

bass response. Or, you can add a subwoofer to your existing system. Subwoofers are speakers that only reproduce the lowest notes, leaving the middle and high frequencies to your existing speakers. In a three-piece system such as this, the two other speakers are called satellites. When adding a subwoofer, make sure that the unit is compatible with your speakers, or that it can be adjusted to fit in. (Output level and crossover frequency can usually be adjusted so the bass is neither too loud nor too soft.) Some subwoofers have amplifiers built into them, so you don't need to worry about providing the extra power they require. And most include the crossover networks that split the lows to the subwoofer and the mids and highs to your satellites.

Whatever reason you find to replace or supplement your speakers, be aware that the result, no matter how splendid it may sound at first, may eventually lose its appeal, and another speaker will take their place in your system. Just enjoy the upgrading process as well as the hours of listening in between each step towards the ever-elusive goal of sonic perfection. □

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Glossary of Audio Terms

Acoustic Feedback: The pickup, by a turntable, of vibrations from the loudspeaker. If these vibrations reach the *cartridge*, they will be reamplified, causing noise (usually a rumble, but in extreme cases a howl) and/or distortion.

Acoustic Suspension: (also called *air suspension*). A speaker system in which the woofer cone is loosely suspended, and its motion controlled to a great extent by the stiffness of the air in the air-tight enclosure. Noted for its extended, low-distortion bass output and low efficiency.

AM (Amplitude Modulation): A process in which the program information is imposed on a carrier signal of constant frequency by varying its amplitude (level) in proportion to program level. Used on the standard broadcast band (550 to 1,650 kHz), and on longwave and shortwave bands.

AM Suppression: The ability of an FM tuner to reject AM signals.

ANRS, Super ANRS: A noise-reduction system used by JVC, ANRS operates on principles similar to those used by the *Dolby system*. Therefore, there is a degree of compatibility between recordings made with either noise-reduction system.

Antiskating: A system for neutralizing the lateral skating force developed with a tonearm having an offset cartridge angle. See *Skating Force*.

Automatic Turntable: A record player whose tone arm is positioned automatically for playing records when a control is operated, and which shuts off automatically at the end of play. See *Record Changer*.

Bias: A high-frequency current which is combined with the signal being recorded onto tape. Necessary for low distortion and noise, and must be adjusted for the tape being used.

Bidirectional: In open-reel or cassette recorders, the ability to play (and, in some cases, record) both stereo track pairs on a tape by reversing the tape's direction of motion without removing and replacing the tape reels or cassette from the tape deck. When referring to microphones, bidirectional means responding equally well to sounds from two opposite directions (a figure-8 pattern).

Biradial: See *Elliptical*.

Cantilever: The rod or tube that supports the stylus at its free end, is pivoted at or near its other end, and transfers the stylus motion to the generating elements of the cartridge.

Capstan: A shaft rotating at constant speed which is pressed against the tape and moves it past the heads.

Capture Ratio: The minimum ratio between the strengths of two FM signals on the same frequency that will enable the tuner to suppress the weaker by 30 dB.

Cardioid: A heart-shaped polar response of a microphone, with strong rejection of signals arriving from the rear.

Cartridge: The device which holds the stylus (or "needle") and translates the motions of the stylus as it tracks the wiggling modulations of the groove into an electrical signal.

Channel: An independent signal path. Stereo components have two such channels, quadraphonic ones have four.

Channel Separation: The amount of stereo program material from one channel appearing in the output of the other channel. Expressed in decibels relative to the desired channel output, with values of 20 to 30 dB (the higher figure being preferable) through most of the audible frequency range being typical of good cartridges.

Circumaural: A headphone in which the earpiece completely surrounds the ear, and is sealed to the head to provide tight bass coupling.

Closed-Loop Drive: A tape transport mechanism in which the tape's speed and tension are controlled by contact with a capstan at each end of the head assembly.

Coaxial: Tweeters are sometimes mounted in front of woofers; since each driver fires along the same axis, they are said to be coaxial.

Compliance: The ease with which a stylus can be deflected by the groove wall.

Condenser: A type of electrostatic microphone characterized by wide frequency range and low distortion.

Crossfield Recording: A system in which the *bias* is not applied to the tape by the recording head, but by a separate head on the tape's backing side, so that the bias signal will not partially erase high frequencies as they are being recorded.

Crossover Network: A filter which divides a signal into parts and directs the parts to the proper speaker driver. In a three-way speaker, the crossover network sends the low frequencies to a woofer, middle frequencies to a mid-range driver, and high frequencies to a tweeter. Frequencies outside the range of each driver are attenuated at a rate determined by the network design. A crossover frequency is a frequency at which each of two drivers is receiving half the amplifier's power; below or above that point, one speaker will receive more power than the other speaker.

Cueing Device: A lever or control that raises and lowers the tonearm without direct handling by the operator. Usually viscous damped for uniform rise and fall times, no matter how rapidly the control is moved.

Cue Control: A switch which temporarily disables a recorder's tape lifters during fast-forward and rewind, so the operator can judge what portion of the recording is passing the heads of the tape deck.

CX: A compressor/expander noise-reduction system first introduced by CBS Records. Capable of 20 dB of noise reduction, it extends the dynamic range of phonograph discs to 80 to 85 dB. To realize this extension, the user must play the record back through a decoder, but the system is designed so that a record played without decoding is quite listenable.

Damping: The application of a mechanical resistance, such as a rubber or silicone material, to the cantilever pivot to reduce the amplitude of a resonance.

dbx: A noise-reduction system by which the program is compressed before being recorded, and expanded upon playback to restore the original dynamic range.

Decibel (dB): A measure of the ratio between two power levels. Doubling or halving the power corresponds to a 3-dB change, and 10-dB corresponds roughly to the audible effect of doubling or halving the *loudness* of a signal (although it represents a power ratio of 10:1).

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Deemphasis: A form of equalization used in FM tuners, complementary to a pre-emphasis used in transmission. The purpose is to improve the overall S/N ratio, while maintaining a uniform frequency response. In Compact Disc players, deemphasis circuitry is automatically engaged when discs with pre-emphasis are being played.

Dipole: A form of speaker which radiates in approximately equal amounts to the rear and the front.

Direct Drive: A record playing system whose motor is designed to turn at the record speed. No intermediate coupling devices are used, and the platter rests directly on the motor shaft. Direct-drive motors generally utilize electronic speed control.

Dispersion: The spread of a speaker's high frequencies, measured in degrees.

Distortion: An undesired change in the waveform of a signal. With a single frequency (sine wave) signal, distortion appears as harmonics (multiples) of the input frequency. The rms (effective a.c. point) sum of all harmonic distortion components, is known as *total harmonic distortion*, or THD. When a two-tone test signal is used, distortion components appear at frequencies which are sums and differences of multiples of the input frequencies. Their magnitude is expressed as *intermodulation* (IM) distortion, which is more distressing to hear than THD.

Dither: Very low-level noise added to a signal being digitized to reduce the high-order distortion caused by quantizing very low-level audio signals. See *quantization*.

Dolby: Three companding (compressing/expanding) noise-reduction systems developed for tape recording. (Dolby B has also been adapted to FM broadcasting.) Dolby A, the professional version of the system, provides up to 15 dB of noise reduction. Dolby B, the most commonly used consumer version, doubles that. Dolby C uses the same principles as Dolby B, but has two compressors operating in tandem so each operates on a separate portion of the overall dynamic range. In addition, its noise reduction begins two octaves lower than Dolby B. Basically, Dolby consumer noise reduction works by *increasing* the high-frequency (treble) sounds during recording and *decreasing* them during playback, which restores them to their original level, so the tape hiss added during recording is decreased during playback.

Driver: Any individual speaker within a system, such as the *woofer*, *tweeter*, etc.

Dual Capstan: See *Closed Loop Drive*.

Dynamic: (When referring to speakers): A speaker drive principle using the interaction

between the magnetic field surrounding a voice coil carrying a signal current and a fixed magnetic field to move the coil and the cone to which it is attached.

Dynamic: (When referring to headphones): A headphone driver using a voice coil in a magnetic field, driving a paper or plastic diaphragm as in a speaker.

Dynamic Range: The ratio between the maximum signal level and the minimum level. Expressed in decibels (dB).

Efficiency: The percentage of the electrical input power to a speaker that is converted to acoustic energy. Varies from a small fraction of one percent to as much as ten percent or more, depending on the design of the speaker. Higher efficiency means that less electrical amplifier power is required for a given listening volume, but is not directly related to sound quality.

Electret: A permanently polarized form of condenser microphone.

Electronic Speed Control: A system whereby a motor's speed is controlled by feedback from a frequency-sensing circuit attached to the device being powered.

Electrostatic: A drive system for speakers and headphones using a thin plastic membrane, or diaphragm, suspended in a high-voltage electrostatic field, whose variation by the signal voltage moves the entire diaphragm to create a sound pressure wave.

Elliptical Stylus: A stylus whose cross-section, as seen from above, is an ellipse placed across the record groove. Elliptical styli can more readily trace the finer high-frequency modulations of the groove than spherical styli can.

Equalization (EQ): An intentional departure from response flatness to compensate for complementary characteristics introduced elsewhere in the system (as with discs, tape, and FM broadcasting). Also used to correct for response deficiencies in speakers and other components.

Expander: A device used to restore natural dynamic range by counteracting the compression of dynamic range used in the making of recordings and in broadcasting.

Filter: A circuit that attenuates signals above or below a specific frequency without materially affecting signals in its pass-band.

Flutter: The audible effect of short-term record speed fluctuations, occurring at a low audio or an infrasonic rate (0.5 to 200 Hz). This causes a frequency modulation of the program material, heard as a wavering or roughness of the sound. It is described as a percentage of rated speed; the smaller this per-

centage, the less audible the flutter. The percentage is generally combined with wow. (See *Wow*.) It is often "weighted" (WRMS, weighted root mean square) so that it corresponds to the average human hearing response.

FM (Frequency Modulation): A process in which the program information is imposed on a carrier signal of constant amplitude by varying its instantaneous frequency in proportion to the program level. Used on the FM broadcast band (88 to 108 MHz).

Four Track (Quarter Track): A tape format in which the width of the tape is recorded in four parallel magnetic tracks, separated by narrow unrecorded guard bands.

Frequency Response: Always specified as a range, such as 50 to 15,000 Hz; but in order to be meaningful it must be further defined in terms of decibel variation from absolute flatness over a specified frequency range (e.g., ± 3 dB from 50 to 15,000 Hz). An indication of a sound system's ability to reproduce all audible frequencies supplied to it in proper balance to each other.

Graphic Equalizer: A multi-band equalizer whose controls are sliders, so that their settings can be seen as a rough graph of their frequency response characteristics. See also *Equalization*.

Head: A magnetic component containing a coil through which a signal current is passed, and a narrow gap in its pole structure against which the tape presses.

Hz: The standard abbreviation of Hertz, the unit of frequency; one cycle per second.

i-f Rejection: The ability of a superheterodyne AM or FM tuner's i-f circuits to reject external interference at the intermediate frequency.

Image Rejection: The ability of a superheterodyne receiver to ignore signals removed from the desired frequency by twice the intermediate frequency (10.7 MHz in home FM receivers, 455 kHz in home AM receivers).

Impedance: A speaker's opposition to the flow of an alternating current, which varies with frequency.

Infinite Baffle: A fully sealed box enclosing the speaker.

Integrated Amplifier: A single component combining the functions and circuitry of a power amplifier and preamplifier.

Intermodulation (IM): See *Distortion*.

Line: A term used to denote a high-level signal input or output circuit. Line level is usually of the order of a volt, as distinguished from the microphone level of the order of millivolts.

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Loudness Compensation: A form of equalization, coupled with the volume control, that progressively emphasizes low frequencies (and sometimes also high frequencies) relative to the middle frequencies as the volume is reduced. Intended to correct for the human ear's natural loss of hearing sensitivity at the frequency extremes when sound level is reduced.

Magnetic: A type of cartridge which generates its signal from the relative motions of a magnetic field and a coil or coils (either the field or the coils may move, depending on cartridge design). The output is proportional to the velocity of the stylus motion.

Mass (tip): The combined effect of the mass of the diamond stylus, its mounting, the cantilever rod, and the generating elements, as experienced by the record groove which must accelerate that mass.

Memory Counter (or Rewind): A system which allows the tape to be rewound automatically to any predetermined point on the tape.

Molecular Film: A type of *piezoelectric* speaker.

Monitor Head: A separate playback head on some tape recorders that makes it possible to listen to the material on the tape an instant after it has been recorded, and while the recording is still in progress.

Motional Feedback: Correction of a speaker's response by feeding information about its motion back to the amplifier. The amplifier then compares the speaker's motions with its own output and changes this output to counteract any changes (distortions) created by the speaker.

Moving-Coil: A type of magnetic cartridge in which the coils, connected to the stylus, move within a stationary magnetic field.

MPX Filter, Multiplex Filter: Circuits to remove 19 kHz tones from a signal to be recorded to prevent audible interference between the tape recorder's bias signal and the 19-kHz pilot tone in the output signal from a stereo FM tuner or receiver.

Multipath: A condition in which a signal reaches the receiving antenna over two or more paths of different lengths. The resulting interference causes distortion in the receiver, as well as loss of stereo channel separation.

Multiplex: The system used to transmit two stereo program channels on a single FM carrier in such a form that the complete program (left plus right channels) can be heard on a mono FM tuner. A multiplex demodulator in the tuner converts the composite received program to its two-channel form.

Noise: Any unwanted signal unrelated to the

desired signal and tending to obscure it. In audio, noise is usually heard as hiss (random noise) or as hum (the power line frequency and its harmonics).

Omnidirectional: Emitting or responding to sound equally in all directions. Frequently applied to speakers that are only "omni" in the forward or upward hemisphere.

Pause Control: A feature of some tape recorders that make it possible to stop the movement of tape temporarily without switching the machine from "play" or "record." Most Compact Disc players have a pause control that performs the same function.

Peak Indicator: An indicator, usually of the flashing-light type, showing when transient signal levels exceed a recorder's ability to handle them without distortion. Such indicators are often used to supplement *Recording-Level Meters*, which usually indicate average signal levels.

Peak-Reading Meter: A type of *Recording-Level Meter* which rises quickly and falls back at moderate speed, permitting the operator to judge the levels of transient peak waveforms.

Piezoelectric (Cartridge): A type of cartridge whose generating element is a ceramic, crystal, or electret which generates electricity when bent, twisted, or stressed. The output of such cartridges can be fairly high. It is also proportional to the amplitude of the stylus motion, rather than the stylus velocity.

Piezoelectric (Speaker): A speaker drive principle using a ceramic element which expands or bends under the application of a signal voltage. This deflection generates a sound output. Used in some tweeter designs.

Pitch Control: A circuit which permits a turntable's speed to be varied slightly.

Polar Response: The variation of output, at any given frequency, at different angles to the forward axis of symmetry of the speaker. In general, it will be different in horizontal and vertical planes, as well as with frequency. See *Dispersion*.

Port: An opening in a speaker enclosure, permitting the bass radiation from the back of the woofer cone to be combined with its forward radiation to enhance the total response.

Power Output: FTC rules require that amplifier power be measured with all channels operating, after a standard pre-conditioning period to bring amplifier components to their maximum working temperature. Advertised power must be expressed in the form: "50 watts minimum RMS per channel into 8 ohms with less than 0.3% harmonic distortion from 20 Hz to 20,000 Hz." The manufacturer is free to establish its own power, frequency, and distortion

ratings, and implicit in the rating is the statement that rated distortion will not be exceeded at any power from 0.25 watts to rated power.

Preamplifier: Also known as control amplifier, or control center. A switching, amplification, and equalization component designed to select input signals, amplify them and deliver an output voltage to a power amplifier.

Quantization: The number of possible values available to represent various levels of amplitude of a digital audio signal. In the Compact Disc system, which uses binary (base 2) numbers, the resolution of the quantization is 16 bits, which means that each sample (see *sampling frequency*) can have any value between zero and 65,535.

Quarter Track: See *Four Track*.

Radial Tonearm: A tonearm that moves along a track parallel to the record radius, maintaining perfect tangency to the groove. Sometimes called *straight line tracking arm* or linear-tracking arm.

Record Changer: A type of automatic turntable capable of playing a stack of records (usually 6 to 10) in sequence.

Recording-Level Meter: An indicator on a tape recorder that provides some idea of the signal levels being applied to the tape from moment to moment. It is intended as an aid in setting the recording levels to ensure that the tape is neither overloaded with excessive levels or "under-recorded" with too little signal, allowing hiss and other noise to intrude.

Ribbon (Microphone): A type of microphone using a light metal foil ribbon in a powerful magnetic field. Widely used in studios.

Ribbon (Speaker): A form of high-frequency driver using a light ribbon suspended in a magnetic field to generate sound when current is passed through it. In its basic form, a very high quality but fragile high-frequency driver.

Rumble: The audible effect of low-frequency vibration transmitted from the motor or other moving parts to the record or the tonearm. Heard (as a hum or rumbling sound) only when the pickup stylus is on a rotating record. Rumble is measured in dB below a specified signal level.

Sampling Frequency (or Rate): In digital audio, the number of times a signal is sampled each second. In the Compact Disc format, the sampling rate is 44.1 kHz, meaning each second of sound is encoded by 44,100 numbers for each channel.

Saturation: An effect that occurs when a tape is fully magnetized, and further increase of signal input level does not produce a corresponding increase in recorded level. Saturation can



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also occur in the magnetic structure of the heads.

Selectivity: The ability of a tuner to reject unwanted signals on nearby channels. Abbreviated sel.

Sensitivity: In FM, the signal strength a tuner requires in order to reduce noise and distortion to specified levels. "Quieting sensitivity" measures the input signal needed to reduce noise and distortion to 50 dB below the output audio signal level, a fairly listenable condition. "Usable sensitivity" defines the signal level needed to reduce noise and distortion to 30 dB below the audio output, a condition noisy enough to render "usable" a misnomer. Sensitivity is usually stated both in microvolts (μV) of signal across the tuner's 300-ohm input (figures across the 75-ohm input would be lower) and in "dBf"-decibels above a signal level of one femtowatt (10^{-15}W), equivalent to 0.55 μV into 300 ohms. Abbreviated sens.

Semiautomatic: Having automatic arm return and motor shut-off at the end of a record, but no automatic start and tonearm set-down at the beginning of play.

Shibata Stylus: The first of several multi-radial stylus designs, with two flat facets forming a V-shaped "prow" in front, and a blunter stern. The main claimed advantage is that the stylus's sharp edges can easily track ultra-fine, high-frequency modulations. Similar stylus designs are called line-contact or linear-contact.

Signal-to-Noise Ratio (S/N): The difference between the softest and loudest signal.

Skating Force: A frictional force between the pickup stylus and the record material, tending to move the pickup toward the center of the record. It is present only when the cartridge is offset at an angle tracking error.

Sound-on-Sound: A process in which a program is recorded first on one track, then played back and re-recorded with added material on the other track.

Subwoofer: A speaker designed only to handle very low frequencies, usually from a top between 100 and 150 Hz to a bottom below 20 Hz.

Supertweeter: A tweeter used only for extremely high frequencies; usually in 4-way or 5-way systems.

Statically Balanced Arm: A type of tonearm whose masses are first balanced about the pivot, then unbalanced to provide tracking force.

Spherical Stylus: A stylus whose shape is conical with the downward-facing point of the cone rounded to a specified radius of curvature usually 0.5 to 0.7 mil.

Stylus: The specially shaped jewel tip (normally a diamond) that rides in a record groove and follows the variations in groove shape and position. Its motion is transmitted through the

supporting cantilever to the generating elements in the cartridge. Styli come in several shapes, such as *Elliptical*, *Spherical*, and *Shibata*.

Synthesizer: A system for generating a precise and stable frequency whose accuracy is determined by a quartz crystal oscillator, instead of inductance/capacitance tuned circuits.

Tone Control: A circuit designed to increase or decrease the amplification in a specific frequency range, with little or no effect at other frequencies. Bass tone controls usually affect frequencies below a turnover frequency which may vary between 100 and 1,000 Hz. Treble tone controls are typically "hinged" to affect frequencies above 1,500 Hz. The range of a tone control (the maximum amount by which it can vary the amplification within its operating range) is typically about ± 15 dB, but may be as low as ± 7 dB or as great as ± 20 dB.

Tracking Force: The vertical force (in grams) exerted by the stylus on the record groove. Must be high enough to keep the stylus in contact with the groove at all times.

Tweeter: A high-frequency driver.

Woofer: A low-frequency driver.

Wow: The audible effect of a low-frequency flutter, occurring at a rate of 0.5 to 10 Hz. Most audible and objectionable on sustained tones. See *Flutter*.

Abbreviations and ACRONYMS

AC—alternating current

A/D—analogue to digital

amp—amplifier

CD—Compact Disc

CIRC—Cross Interleave Reed-Solomon Code

CrO₂—chromium dioxide

D/A—digital to analog

dB—decibel

dBf—decibel femtowatt

DC—direct current

EE—extra efficiency

EFM—Eight to fourteen modulation

EIAJ—Electronic Industries Association of Japan

EQ—equalization

F—Farad

FeCr—ferrichrome

FET—field-effect transistor

FF—fast forward

FR—usually frequency response, but for CD players, fast reverse.

g—gram(s)

HD—harmonic distortion

HX—headroom extension

Hz—Hertz (cycles per second)

IC—integrated circuit

IEC—International Electrotechnical Commission

IEEE—Institute of Electrical Electronic Engineers

i-f—intermediate frequency

IHF—Institute of High Fidelity

IMD—intermodulation distortion

imp—impedance

IPS—inches per second

k—one thousand

kHz—kiloHertz (one thousand cycles per second)

LCD—liquid-crystal display

LED—light-emitting diode

L/R—left/right

LSI—large-scale integrated (circuit)

m—meter (as in SPL/W/m)

m—milli (one thousandth, as in msec)

Mb/sec—megabits per second

MC—moving coil

MM—moving magnet

MNOS—metallic nitrogen-oxide semiconductor

MOL—maximum output level

MOSFET—metal-oxide semiconductor field-effect transistor

mm—millimeter

mW—milliwatt

MPX—multiplex

μ —micro (one millionth)

MSB—most significant bit

mV—millivolt

NAB—National Association of Broadcasters

nWb—nano Weber

NR—noise reduction

PCM—pulse-code modulation

pF—picoFarads

PLL—phase-locked loop

P-P—peak-to-peak, push pull

RF (or r-f)—radio frequency

RIAA—Recording Industry Association of America

RMS—root mean square

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

V—volt(s)

VU—volume unit

W—watt(s)

W&F—wow-and-flutter

Wb—Weber

WRMS—weighted root mean square



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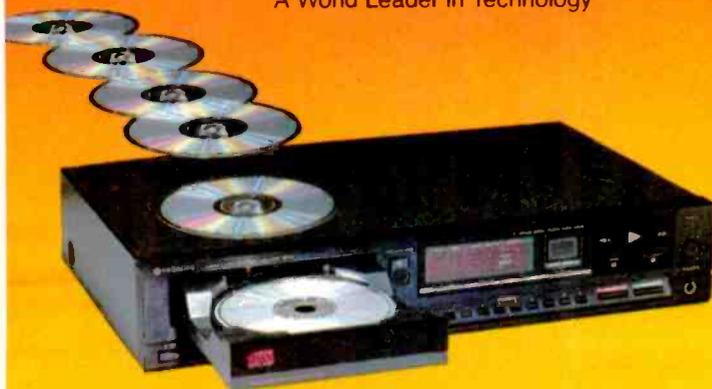


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Power Amplifiers, Preamplifiers, Accessories

BUSH INDUSTRIES

312 Fair Oak St., Little Valley, NY 14755
Accessories

CABASSE by MADRIGAL

PO Box 781 Middletown, CT 06457
Speakers

CAMBRIDGE AUDIO

4650 Arrow Hwy., #F4, Montclair, CA 91763
Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Digital Audio

CANTON NORTH AMERICA

254 First Ave. N., Minneapolis, MN 55401
Preamplifiers, Accessories, Speakers

CARVER

PO Box 1237, 19210 33rd Ave. W., Lynnwood, WA 98036
Receivers, Power Amplifiers, Preamplifiers, Tuners, Accessories, Signal Processors, Digital Audio

CELESTION INDUSTRIES

Box 521, Kuniholm Dr., Holliston, MA 01746
Speakers

CERTRON

1701 S. State College Blvd., Anaheim CA 91331
Blank Tape

CERWIN-VEGA

12250 Montague St., Arleta, CA 91331
Signal Processors

CHAPMAN SOUND

PO Box 140, Vashon, WA 98070
Speakers

CHICAGO SPEAKER STAND

4701 W. Armitage Ave., Chicago, IL 60639
Accessories

CLASSE AUDIO

16877 Hymus Blvd., Kirkland, Que. Canada H94 3L4
Power Amplifiers, Preamplifiers, Accessories

COMPUSONICS

999 Commercial St., Palo Alto, CA 94303
Digital Audio

CONRAD-JOHNSON DESIGN

1474 Pathfinder Lane, McLean, VA 22101
Power Amplifiers, Preamplifiers, Sonographe Turntables

COUNTERPOINT ELECTRONIC SYSTEMS

10635 Roselle St., San Diego, CA 92121-1399
Power Amplifiers, Preamplifiers, Accessories

CROWN INTERNATIONAL

1718 W. Mishawaka Rd., Elkhart, IN 46514
Power Amplifiers, Preamplifiers, Tuners, Accessories

CUSTOM WOODWORK & DESIGN

7447 S. Sayer, Bedford Park, IL 60638
Accessories

DALI

PO Box 55386, Valencia, CA 91355
Speakers

DANEFURN

425 Huelh Rd., Building 3A, Northbrook, IL 60062
Accessories

DAHLQUIST

601 Old Willets Path, Hauppauge, NY 11787
Speakers, Signal Processors

DAYTON WRIGHT GROUP

97 Newkirk Road N., Richmond Hill, Ont. Canada L4C 3G4
Speakers, Signal Processors

DB PLUS by API

850 Rear Providence Hwy., Dedham, MA 02026
Speakers, Signal Processors

DB SYSTEMS

Main St., Rindge Center, NH 03461
Power Amplifiers, Preamplifiers, Accessories, Signal Processors

dbx

71 Chapel St., Newton, MA 02195
Accessories, Speakers, Pocket Stereo, Signal Processors, Digital Audio

DCM

670 Airport Blvd., Ann Arbor, MI 48104
Speakers

DENNESEN ELECTROSTATICS

PO Box 51, Beverly, MA 01915
Power Amplifiers, Preamplifiers, Cartridges & Tonearms, Accessories, Speakers, Signal Processors

DENON AMERICA

27 Law Dr., Fairfield, NJ 07006
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cartridges & Tonearms, Tape Decks (Cassette Decks), Blank Tape, Headphones, Signal Processors, Digital Audio

DESIGN ACOUSTICS

1221 Commerce Dr., Stow, OH 44224
Speakers

DESKTOP LOUDSPEAKER SYSTEMS

PO Box 398, Simi Valley, CA 93062
Speakers

DGI

740 Lemonia Ave., Van Nuys, CA 91405
Accessories

DISCWASHER

1407 North Providence Road, Columbia, MO 65201
Accessories

DIGITAL V by RTR

8116 Deering Ave., Canoga Park, CA 91304
Cartridges & Tonearms, Speakers

DLK ACOUSTICAL PRODUCTS

1405 Mendota Heights Rd., St. Paul, MN 55120
Speakers

DOMUS

1405 Mendota Heights Rd., St. Paul, MN 55120
Speakers

DUAL (Ortofon)

122 Dupont St., Plainview, NY 11803
Power Amplifiers, Tuners, Turntables, Tape Decks (Cassette Decks)

DYNACO by ESS

9613 Oates Dr., Sacramento, CA 95827
Speakers

DYNAMIC ACOUSTICS

PO Box 646, San Ramon, CA 94583
Speakers

DYNAVECTOR SYSTEMS

1721 Newport Circle, Santa Ana, CA 92705
Cartridges & Tonearms

EGO SYSTEMS LOUDSPEAKERS

23 Pleasant St., #2, Northampton, MA 01060
Speakers

EMINENT TECHNOLOGY

PO Box 6894, Tallahassee, FL 32301
Cartridges & Tonearms

EMPIRE SCIENTIFIC

PO Box 486, 55 Bloomingdale Rd., Hicksville, NY 11802
Cartridges & Tonearms, Speakers

ENERGY ELECTRONIC SYSTEMS, INC.

4986-8 Deereco Rd., Timonium, MD 21093
Speakers

ENTRE by ANALOG EXCELLENCE

12021 Wishire Blvd., West Los Angeles, CA 90025
Cartridges & Tonearms

EPICURE PRODUCTS (EPI)

25 Hale St., Newburyport, MA 01950
Speakers

EPOCH by STANTON

Terminal Drive, Plainview, NY 11803
Cartridges & Tonearms

ESB-USA

692 Central Ave., Cedarhurst, NY 11516
Speakers

ESS

9613 Oates Dr., Sacramento, CA 95827
Speakers

FANFARE ACOUSTICS

4650 Arrow Hwy. #4, Montclair, CA 91763
Speakers

FISCHER AMERICA

175 Route 46W, Fairfield, NJ 07006
Accessories

FISHER

21314 Lassen St., Chatsworth, CA 91311
Receivers, Integrated Amplifiers, Turntables, Cassette Decks, Speakers, Signal Processors, Digital Audio

FOSGATE RESEARCH

437 S. Montezuma, Prescott, AZ 86301
Signal Processors

FRIED PRODUCTS COMPANY

7616 City Line Ave., Philadelphia, PA 19151
Speakers

FUJI MAGNETIC PRODUCTS

350 Fifth Ave., New York, NY 10001
Blank Tape

GALE ELECTRONICS

875 Merrick Ave., Westbury, NY 11590
Speakers

GENERAL ELECTRIC

Electronics Park, Syracuse, NY 13221
Pocket Stereo, Digital Audio

GENESIS PHYSICS

Newington Park, Newington, NH 03801
Speakers

GLI INTEGRATED SOUND

1227 Walt Whitman, Melville, NY 11747

AKAI WILL AUTOMATICALLY REVERSE YOUR OPINION ON RECORDING ACCURACY.

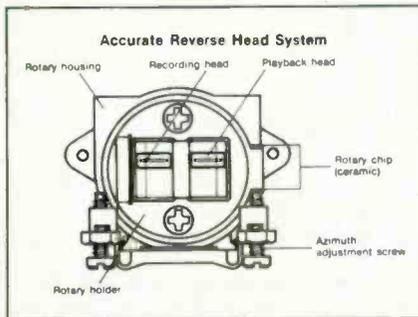


3-HEAD QUICK REVERSE

If, as an audiophile, you're of the opinion you can't enjoy the brilliance of sound accuracy in a 3-head system, combined with the long play convenience of a quick reverse deck—we're out to change your opinion.

Case in point: AKAI's Accurate Quick Reverse System.

How quick is quick? Less than a half-second. But the reverse story doesn't end there. To eliminate wear and misalignment, AKAI has introduced the diamond-like ceramic head stopper. A beryllium-alloyed diecast two-inch head housing, with double nut locked stainless steel azimuth screws. For added depend-



ability, *all* moving parts are bonded with a tough Teflon™ casting for permanent lubrication. What does all that mean to you? Simply this: AKAI's total auto reverse design has the distinction and durability, to perform over 200,000 rotations.

Now consider AKAI's Computer Recording Level Processing.

Chances are, the way you've set recording levels in the past has been based on experience, coupled

with critical listening. But that's history. Today, AKAI has successfully developed the ultimate computer system for obtaining a *perfect* setting. Every time. And here's how that perfection works:

First, the tape is analyzed to determine optimum bias and equalization. Commonly referred to as "quick auto timing."

Next, the tape MOL (maximum outlet level) is derived by spectrum analysis at 400 Hz and 8,000 Hz. Note: this step is critical because it



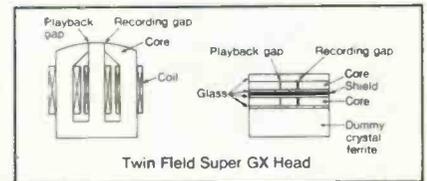
assures maximum tape saturation without audible distortion.

Then the energy content of the music source is sampled for ten seconds.

Finally, when all the data is obtained, the computer sets the recording levels. *And all are mathematically perfect.*

Which brings us to AKAI's Super GX Head.

Nowhere in the industry will you find its equal. With its single crystal ferrite, encased in mirror-polished glass, the Super GX head is so unique in its hardness, it's second only to a diamond. Sonically, it's second to none. With a playback output level as much as 7.8 db better than Sendust heads at 10kHz, it's easy to hear why.



And if all that isn't enough, consider this: the Super GX head is so resistant to wear, it's *guaranteed* for 17½ years of continuous play.

The case is closed: Closed Loop Double Capstan.

By isolating the tape as it travels over the heads with two pairs of capstans and pinch rollers, tape tension and speed are stabilized, significantly reducing wow and flutter, level fluctuations and modulation noise. Result: unparalleled accuracy and highest of fidelity.

It's evident that AKAI's engineering excellence and technology has altered and influenced industry standards on recording accuracy. Which should automatically be reason enough to reverse your opinion. And, see your AKAI dealer.

AKAI
Hi-Fi & Video.

Turntables, Speakers, Headphones, Signal Processors

GOLDBUG LABS by RMI

6074 Corte Del Cedre, Carlsbad, CA 92008
Cartridges & Tonearms

GOLD SOUND

PO Box 141, Englewood, CO 80151
Power Amplifiers, Speakers, Signal Processors

GRADO LABORATORIES

4614 Seventh Ave., Brooklyn, NY 11220
Cartridges & Tonearms

GRAFYX

2201 S. Ford, Chicago, IL 60616
Speakers

GUSDORF

11440 Lackland Road, St. Louis, MO 63146
Accessories

GUSS SPEAKER SYSTEMS

215 West 92nd Street, New York, NY 10025
Speakers

HAFLER

5910 Crescent Blvd., Pennsauken, NJ 08109
Power Amplifiers, Preamplifiers, Tuners, Signal Processors

HARMAN KARDON

240 Crossways Dr. West, Woodbury, NY 11797
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Signal Processors, Digital Audio

HARTLEY PRODUCTS

620 Island Rd., Ramsey, NJ 07446
Speakers

HEATH COMPANY

Benton Harbor, MI 49022
Receivers, Power Amplifiers, Accessories, Signal Processors

HECO OF AMERICA

703 Heinz Avenue, Berkeley, CA 94710
Speakers

HEYBROOK by D'ASCANIO AUDIO

11450 Overseas Hwy., Marathon, FL 33050
Power Amplifiers, Preamplifiers, Turntables, Accessories, Speakers

HIGHPHONIC MUSIC ART by ANALOG EXCELLENCE

12021 Wilshire Blvd., West Los Angeles, CA 90025
Cartridges & Tonearms, Accessories

HITACHI SALES

401 W. Artesia Blvd., Compton, CA 90220
Receivers, Power Amplifiers, Preamplifiers, Tuners, Turntables, Cassette Decks, Accessories, Speakers, Pocket Stereo, Signal Processors, Digital Audio

ILLBRUCK/USA

3800 Washington Ave. N., Minneapolis, MN 55412
Sonex Accessories

INDUCED MAGNET SYSTEMS

115 Henry St., Freeport, NY 11520
Cartridges & Tonearms

INFINITY SYSTEMS

7930 Deering Ave., Canoga Park, CA 91304
Speakers, Signal Processors

INNOVATIVE TECHNIQUES

703 Revere Dr., Herbertsville, NJ 08723
Speakers

INTERAUDIO BY BOSE

100 The Mountain Road, Framingham, MA 01701
Accessories, Speakers

IRISH MAGNETIC TAPE

270-78 Newtown Rd., Plainview, NY 11803
Blank Tape

JAMO HI-FI

425 Huehl Rd., Bldg 3A, Northbrook, IL 60062
Speakers

JANNIS BY JOHN MAROUSKIS AUDIO

2889 Roebling Ave., Bronx, NY 10461
Signal Processors

JBL

8500 Balboa Blvd., Northridge, CA 91329
Speakers

JENSEN SOUND LABS

4136 N. Unlted Pkwy., Schiller Park, IL 60176
Receivers, Speakers

JSE

519 East Middle Turnpike, Manchester, CT 06040
Speakers

JVC CORP. OF AMERICA

71 Slater Dr., Elmwood Park, NJ 07407
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cartridges & Tonearms, Cassette Decks, Blank Tape, Speakers, Signal Processors, Digital Audio

KEF

695 Oak Grove, Menlo Park, CA 94025
Speakers

KENWOOD ELECTRONICS

1315 E. Watsoncenter Rd., Carson, CA 90745
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Speakers, Headphones, Pocket Stereo, Signal Processors, Digital Audio

KEVEK by RMI

6074 Corte Del Cedre, Carlsbad, CA 92008
Speakers

KINDELL AUDIO

1710 Newport Circle, Ste. O, Santa Ana, CA 92705
Speakers

KINERGETICS

6029 Reseda Blvd., Tarzana, CA 91356
Power Amplifiers, Preamplifiers, Tuners, Digital Audio

KINETIC AUDIO INT'L.

2211 East Oakton Street, Arlington Heights, IL 60005
Accessories, Speakers, Signal Processors

KIRKSAETER

4648 Evansdale Road, Woodbridge, VA 22193
Speakers

KISEKI by SUMIKO

PO Box 5046, Berkeley, CA 94705
Cartridges & Tonearms

KLIPSCH & ASSOCIATES

PO Box 688, Hope, AR 71801
Speakers

KLYNE AUDIO ARTS

721 Howard Avenue, Olympla, WA 98506
Preamplifiers, Accessories

KONICA USA

440 Sylvan Ave., Englewood Cliffs, NJ 07632
Blank Tape

KOSS

4129 N. Port Washington Ave., Milwaukee, WI 53212
Accessories, Speakers, Headphones, Pocket Stereo

KYOCERA INTERNATIONAL

7 Powder Horn Dr., Warren, NJ 07060
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Digital Audio

LASER by SWIRE MAGNETICS

301 E. Alondra Blvd. #1187, Gardena, CA 90248

Blank Tape, Accessories

THE LAST FACTORY

PO Box 41, Livermore, CA 94550
Accessories

LIGHT SUPPLY

2265 Westwood Blvd. #415, Los Angeles, CA 90064
Blank Tape

LINN PRODUCTS (Audiophile Systems)

6842 Hawthorne Park Dr., Indianapolis, IN 46250
Power Amplifiers, Preamplifiers, Turntables, Cartridges & Tonearms, Speakers

LOFT-PHOENIX AUDIO LAB

91 Elm St., Manchester, CT 06040
Signal Processors

LOGAN by SYMDEX

PO Box 8037, Boston, MA 02144
Accessories

LT SOUND

PO Box 338, Stone Mountain, GA 30086
Signal Processors

LUXMAN (Alpine Electronics of America)

19145 Gramercy Place, Torrance, CA 90501
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Digital Audio

MADRIGAL

PO Box 781, Middletown CT 06457
Accuphase Power Amplifiers, Mark Levinson Power Amplifiers, Accuphase Preamplifiers, Mark Levinson Preamplifiers, Accuphase Integrated Amplifiers, Accuphase Tuners, Accuphase Cartridges & Tonearms, Cabasse Speakers, Mark Levinson Speakers, Meridian Speakers, Mark Levinson Signal Processors, Digital Audio

*** MAGNAVOX (North American Philips)**

140 & Straw Plains Pike, Knoxville, TN 37914
Digital Audio

MAGNEPAN

* 1645 9th St., White Bear Lake, MN 55110
Speakers

MARANTZ

20525 Nordhoff St., Chatsworth, CA 93111
Receivers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Speakers, Signal Processors, Digital Audio

MARK LEVINSON AUDIO

PO Box 781, Middletown, CT 06457
Power Amplifiers, Preamplifiers, Signal Processors

MARTIN-LOGAN

Box 741, 320 NE Industrial Ln., Lawrence, KS 66044
Speakers

MAXELL CORP. OF AMERICA

60 Oxford Dr., Moonachie, NJ 07074
Blank Tape

McINTOSH LABORATORY

2 Chambers St., Binghamton, NY 13903
Digital audio

McLAREN by AUDIOQUEST

412 N. Coast Highway, B-360, Laguna Beach, CA 91731
Power Amplifiers, Preamplifiers

MEMTEK PRODUCTS

675 North First Street, 8th floor, San Jose, CA 95112
Memorex Blank Tape, Memorex Accessories

MERIDIAN by MADRIGAL

PO Box 781, Middletown, CT 06457
Speakers, Digital Audio

MICRO SEIKI USA

PO Box 3883, Thousand Oaks, CA 91359-0882
 Turntables,

MIRAGE ACOUSTICS

850 Rear Providence Hwy., Dedham, MA 02026
 Speakers

MISSION ELECTRONICS

5985 Atlantic Drive, Unit 6, Mississauga, Ont. CAN
 L4W 1S4
 Power Amplifiers, Preamplifiers, Integrated Amplifiers,
 Tuners, Turntables, Cartridges & Tonearms, Accessories,
 Speakers, Digital Audio

J.A. MICHELL by RMI

6074 Corte Del Cedre, Carlsbad, CA 92008
 Turntables

MITOM INDUSTRIES

1140 Eighth Lane, Oakville, Ont. Canada L6H 2R4
 Speakers

MITSUBISHI SALES AMERICA

3030 East Victoria Street, Compton, California
 90221
 Receivers, Turntables, Cassette Decks, Signal Processors,
 Digital Audio

MOGAMI

PO Box 2027, Culver City, CA 90230
 Accessories

MONSTER CABLE

101 Townsend St., San Francisco, CA 94107
 Cartridges & Tonearms, Accessories

MOREL ACOUSTICS

414 Harvard St., Brookline, MA 02146
 Speakers

MOTIF by CONRAD-JOHNSON

1474 Pathfinder Lane, McLean, VA 22101
 Power Amplifiers, Preamplifiers

MUSIC & SOUND IMPORTS

30 Snowflake Road, Huntington Valley, PA 19006
 M.R. Creek Integrated Amplifiers, M.R. Creek Tuners,
 CW&J Walker Turntables, Alphason Cartridges &
 Tonearms, MAS Cartridges & Tonearms, Speakers

MTX (MITEX)

10260 SW Nilmbus Ave., #M1, Tigard, OR 97223
 Speakers

M & K (Miller & Kreisel Sound)

10391 Jefferson Blvd., Culver City, CA 90230
 Speakers, Signal Processors

NAD (USA)

675 Canton St., Norwood, MA 02062
 Receivers, Power Amplifiers, Preamplifiers, Integrated
 Amplifiers, Tuners, Turntables, Cassette Decks,
 Speakers, Digital Audio

NADY SYSTEMS

1145 65th St., Oakland, CA 94608
 Speakers

NAGATRONICS

115 Henry St., Freeport, NY 11520
 Cartridges & Tonearms, Accessories

NAKAMICHI USA

19701 S. Vermont, Torrance, CA 90502
 Power Amplifiers, Preamplifiers, Tuners, Turntables,
 Cassette Decks, Blank Tape, Accessories, Headphones,
 Digital Audio

NAIM by AUDIOPHILE SYSTEMS

6842 Hawthorne Park Drive, Indianapolis, IN 46220

Power Amplifiers, Preamplifiers, Integrated Amplifiers,
 Tuners

NAKAMI by ANALOG EXCELLENCE

PO Box 69A97, Los Angeles, CA 90069
 Accessories

NEC HOME ELECTRONICS

1401 W. Estes Ave., Elk Grove Village, IL 60007
 Integrated Amplifiers, Tuners, Speakers, Digital Audio

NELSON-REED

15810 Blossom Hill Rd., Los Gatos, CA 95030
 Speakers

NIKKO ELECTRIC

5830 S. Triangle, Commerce, CA 90040
 Receivers, Power Amplifiers, Preamplifiers, Integrated
 Amplifiers, Tuners, Turntables, Cassette Decks, Accessories,
 Speakers, Signal Processors, Digital Audio

NILES AUDIO

13824 SW 142nd Ave., Miami, FL 33116
 Accessories

NITTY CRITTY

4650 Arrow Highway, F4, Monrovia, CA 91763
 Accessories

NORTRONICS CO.

8101 10 Ave. N., Minneapolis, MN 55427
 Accessories

NOVA ELECTRO-ACOUSTICS

PO Box 25488, Los Angeles, CA 90025
 Power Amplifiers, Preamplifiers

NOVAK LOUDSPEAKER

Merritts Island Rd., Pine Island, NY 10969
 Speakers

Discwasher.[®] The clear choice for record care.

Where do you turn to get the best sound from your records? The answer is clear. To the Discwasher D4+™ Record Care System. Its scientific design uses a unique fluid and directional micro-fiber pad to clean

records *safely*. Without leaving residues behind. And the SC-2™ Stylus Care System loosens and wipes away damaging stylus contaminants. All to keep your records playing clean and clear.

You can trust Discwasher.

The clear choice for tape and video care, too.

Discwasher, leader in the technology of audio and video care products, also provides advanced systems for cleaning tape decks and VCR's.



The sound and sight come through clean and clear.

discwasher

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1407 North Providence Road, P.O. Box 6021, Columbia, MO 65205

CIRCLE NO. 9 ON READER SERVICE CARD

OHM ACOUSTICS

241 Taffe Pl., Brooklyn, NY 11205
Speakers

OMEGA AUDIO SYSTEMS

PO Box 119, Leominster, MA 01453
Speakers

ONKYO USA

200 Williams Dr., Ramsey, NJ 07446
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Accessories, Speakers, Signal Processors, Digital Audio

ORTOFON

122 Dupont St., Plainview, NY 11803
Dual Tuners, Dual Turntables, Cartridges & Tonearms

ORACLE

505 Industria Blvd., Sherbrooke Quebec, Canada J1L1X7
Turntables,

O'SULLIVAN INDUSTRIES

19th & Gulf Sts., Lamar, MO 64759
Accessories

OWL

1160 Mahalo Place, Compton, CA 90220
Signal Processors

PAISLEY RESEARCH

135 Torbay Rd., Markham, Ontario Canada L3R 1G7
Speakers, Signal Processors

PANASONIC

One Panasonic Way, Secaucus, NJ 07094
Turntables, Headphones, Pocket Stereo, Signal Processors, Digital Audio

PARASOUND

Wharfside, 680 Beach St., #400, San Francisco, CA 94109
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cartridges & Tonearms, Cassette Decks, Speakers, Headphones, Pocket Stereo, Signal Processors, Digital Audio

PARSEC

540 Madison Ave., New York, NY 10022
Accessories

PENTAGRAM

207-19 35th Ave., Bayside, NY 11361
Speakers

PERREAUX

875 Merrick Ave., Westbury, NY 11590
Power Amplifiers, Preamplifiers

PHASE LINEAR (Division of International Jensen Inc., an Esmark Company)

4136 N. United Parkway, Schiller Park, IL 60176

PHASE TECHNOLOGY

6400 Youngerman Circle, Jacksonville, FL 32244
Speakers

PHOENIX SYSTEMS

PO Box 338-B, Stone Mountain, GA 30086
Signal Processors

PICKERING & COMPANY

101 Sunnyside Blvd., Plainview, NY 11803
Cartridges & Tonearms, Accessories, Headphones

PIONEER ELECTRONICS

5000 Airport Plaza Drive, Long Beach, CA 90815
Receivers, Integrated Amplifiers, Tuners, Turntables, Cartridges & Tonearms, Cassette Decks, Accessories, Speakers, Headphones, Signal Processors, Digital Audio

PIONEER VIDEO

200 West Grand Ave., Montvale, NJ 07645
Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Speakers, Headphones, Signal Processors, Digital Audio

PIVOTELLI

20 Rainbow Pond Drive, Ste. A-2, Walpole, MA 02081
Accessories

POLK AUDIO

1915 Annapolis Rd., Baltimore, MD 21230
Speakers

POMPANO MANUFACTURING

2501 NW 17th Lane, Pompano Beach, FL 33064
Accessories

POSSO BY UNIPHOT-LEVIT

61-10 37th Ave., Woodside, NY 11377
Accessories

PREMIER by SUMIKO

PO Box 5046, Berkeley CA 94705
Cartridges & Tonearms, Accessories

PRO-ACOUSTICS

Waterfront Plaza, Newport, VT 05855
Cartridges & Tonearms

PROTON

737 W. Artesia Blvd., Compton, CA 90220
Receivers, Integrated Amplifiers, Tuners, Cassette Decks, Speakers

QUAD

695 Oak Grove, Menlo Park, CA 94025
Power Amplifiers, Preamplifiers, Tuners, Speakers

QUASAR

9401 W. Grand Ave., Franklin Park, IL 60131
Receivers, Turntables, Blank Tape, Speakers, Headphones, Pocket Stereo, Digital Audio

RAUNA by SCANDINAVIAN SOUNDS

PO Box 3656, San Clemente, CA 92672
Speakers

RCA

600 North Sherman Dr., Indianapolis, IN 46201
Receivers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Speakers, Signal Processors, Digital Audio

REALISTIC by RADIO SHACK (Div. Tandy Corp.)

1300 One Tandy Center, Fort Worth, TX 76102
Receivers, Turntables, Cartridges & Tonearms, Cassette Decks, Speakers, Headphones, Pocket Stereo, Signal Processors, Digital Audio

RECOTON

46-23 Crane St., Long Island City, NY 11101
Accessories, Headphones

REVOX

1425 Elm Hill Pike, Nashville, TN 37210
Receivers, Power Amplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Open Reel Tape Decks, Speakers, Digital Audio

RICH ACOUSTIC LABS INC.

2401 Ross Clark Circle, Dothan, AL 36301
Speakers

RMI

6074 Corte Del Cedre, Carlsbad, CA 92008
J.A. Michell Turntables, Zeta Cartridges & Tonearms

ROBERTSON AUDIO

PO Box 8449, Van Nuys, CA 91409
Power Amplifiers, Preamplifiers, Speakers

ROGERS BY NAIAD

Box 1840, 121 Roy Blvd., Brantford Ontario, Canada N3T5W4
Speakers

ROTEL (Anglo-American Audio)

Receivers, Power Amplifiers, Preamplifiers, Integrated amplifier, Tuners, Turntables, Cassette Decks

RTR INDUSTRIES

8116 Deering Ave., Canoga Park, CA 91304

*Speakers***RUSSOUND/FMP**

PO Box 2369, Woburn, MA 01888
Accessories

SAC

6844 Vineland Avenue, North Hollywood, CA 91605
Accessories

SAE

701 E. Macy St., Los Angeles, CA 90012
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Cassette Decks, Accessories, Signal Processors

SAEC/JAPANESE STEREO

PO Box 69A97, Los Angeles, CA 90069
Cartridges & Tonearms, Accessories

SAMPO

5550 Peachtree Industrial Blvd., Norcross, GA 30071
Digital Audio

SAMSUNG ELECTRONICS AMERICA

301 Mayhill St., Saddle Brook, NJ 07662
Receivers, Cassette Decks

SANSUI ELECTRONICS

1250 Valley Brook Ave., Lyndhurst, NJ 07071
Receivers, Power Amplifiers, Preamplifiers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Accessories, Speakers, Headphones, Signal Processors, Digital Audio

SANYO ELECTRIC

1200 Artesia Blvd., Compton, CA 90220
Turntables, Cassette Decks, Pocket Stereo, Digital Audio

SAWAFUJI AMERICA

23440 Hawthorn Blvd., Torrance, CA 90505
Speakers, Headphones

SCANDINAVIAN SOUNDS

PO Box 3656, San Clemente, CA 92672
Rauna Speakers

SCOTCH (3M Corp.)

3M Center, St. Paul, MN 55101
Blank Tape, Accessories

SCOTT

20 Commerce Way, Woburn, MA 01888
Receivers, Integrated Amplifiers, Tuners, Turntables, Cassette Decks, Blank Tape, Speakers, Digital Audio

SEARS, ROEBUCK AND CO.

Sears Tower, 40-15, Chicago, IL 60684
Cassette Decks, Digital Audio

SEE BY MUSIC HALL

108 Station Road, Great Neck, NY 11023
Turntables

SENNHEISER

48 W. 38th St., New York, NY 10018
Headphones

SERVICE MANUFACTURING CO.

River Street, Hastings-on-Hudson, NY 10706
Accessories

SHARP ELECTRONICS

10 Keystone Pl., Paramus, NJ 07652
Receivers, Turntables, Cassette Decks, Accessories, Pocket Stereo, Digital Audio

SHERWOOD (Division of Inkel Corp.)

17107 Kingsview Avenue, Carson, CA 90746
Receivers, Power Amplifiers, Preamplifiers, Tuners, Turntables, Cassette Decks, Speakers, Signal Processors, Digital Audio

SHURE BROTHERS

222 Hartrey Ave., Evanston, IL 60204
Cartridges & Tonearms, Accessories

SIGNET

4701 Hudson Dr., Stow, OH 44224
Cartridges & Tonearms, Accessories, Headphones

SNELL ACOUSTICS

143 Essex Street, Haverhill, MA 01830
Speakers

SONAB by AUDIOSOURCE

1185 Chess Dr. Ste. G, Foster City, CA 94404
Speakers

SONEX by ILLBRUCK

3800 Washington Avenue, North Minneapolis, MN 55412
Accessories

SONIC RESEARCH

27 Sugar Hollow Rd., Danbury, CT, 06810
Sonus Cartridges & Tonearms, Audio-Pro Speakers

SONOGRAPHE by CONRAD JOHNSON

1474 Pathfinder Lane, McLean, VA 22101
Turntables,

SONRISE

13622 NE 20th, Ste. F, Bellevue, WA 98005
Accessories

SONUS by SONIC RESEARCH

27 Sugar Hollow Rd., Danbury, CT 06810
Cartridges & Tonearms

SONY

Sony Drive, Park Ridge, NJ 07656
Receivers, Integrated Amplifiers, Tuners, Turntables, Cartridges & Tonearms, Cassette Decks, Blank Tape, Accessories, Speakers, Headphones, Pocket Stereo, Signal Processors, Digital Audio

SOTA INDUSTRIES

PO Box 7075, Berkeley, CA 94707
Turntables, Accessories

SOUND ASSOCIATES

N 65 W5730 Colombia, Cedarburg, WI 53012
Speakers

SOUND CONCEPTS

PO Box 135, Brookline, MA 02146
Signal Processors

SOUNDCRAFTSMEN

2200 S. Ritchey, Santa Ana, CA 92705
Power Amplifiers, Preamplifiers, Tuners, Signal Processors

SOUND DYNAMICS by API

161 Don Park Rd., Markham, Ont. Canada L3R 1C2
Speakers

SOUTHER ENGINEERING

429 York St., Canton, MA 02021
Cartridges & Tonearms, Accessories

SPEAKERLAB

735 N. Northlake Way, Seattle, WA 98103
Speakers

SPECTRAL AUDIO ASSOCIATES

PO Box 4475, Mountain View, CA 94042
Power Amplifiers, Preamplifiers

SPECTRUM LOUDSPEAKERS

PO Box 2774, Toledo, OH 43606
Speakers

SPICA

1601 Paseo de Peralta, Santa Fe, NM 87501
Speakers

STANTON MAGNETICS

Terminal Dr., Plainview, NY 11803
Cartridges & Tonearms, Accessories

STAX KOGYO

940 East Dominguez, Carson, CA 90746
Speakers, Headphones

STEREO SENTRY

5520 Blodgett Ave., Downer's Grove, IL 60515

STUDER REVOX AMERICA

1425 Elm Hill Pike, Nashville, TN 37210

SUMIKO

PO Box 5046, Berkeley, CA 94705
Cartridges & Tonearms, Accessories

SUMO

31316 Via Coilnas, #103, Westlake Village, CA 91362
Power Amplifiers, Preamplifiers, Tuners, Speakers

SWIRE MAGNETICS COMPANY

301 E. Alondra Blvd #1187, Gardena, CA 90248
Laser Blank Tape, Laser Accessories

SWITCHCRAFT

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Accessories

SYLVANIA by NORTH AMERICAN PHILIPS

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2817M Dorr Ave., Fairfax, VA 22031
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TANNOY BY CROWN ASSOCIATES

97 Victoria St. N., Kitchener, Ont. Canada N2H 5C1
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TASCAM BY TEAC

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Cassette Decks, Signal Processors

TDK ELECTRONICS

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Blank Tape, Accessories

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THIEL AUDIO

1042 Nandino Blvd., Lexington, KY 40511
Speakers

THORENS (EPI Products, Inc.)

25 Hale St., Newburyport, MA 01950
Turntables

3D ACOUSTICS

652 Glenbrook Rd., Stamford, CT 06906
Speakers

THRESHOLD

1832 Tribute Rd., Ste E, Sacramento, CA 95815

Power Amplifiers, Preamplifiers, Signal Processors

TOYOMENKA

357 County Ave., Secaucus, NJ 07094
Digital Audio

TOSHIBA AMERICA

82 Totowa Rd., Wayne, NJ 07470
Turntables, Pocket Stereo, Digital Audio

TRIAD (Harman America)

5000 Brush Hollow Road, Westbury, NY 11590
Blank tape

TRIAD DESIGN

1629 East Deloves Way, Carbandale, CO 81623
Speakers

TWEEK by SUMIKO

PO Box 5046, Berkeley, CA 94705
Accessories

UHER OF AMERICA

7067 Vineland Ave., North Hollywood, CA 91605
Cassette Decks, Open Reel Tape Decks, Headphones

ULTRX

1200 West Artesia Blvd., Compton, CA 90220
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VANDERSTEEN AUDIO

116 West 4th St., Hanford, CA 93230
Accessories, Speakers

VECTCR RESEARCH

20600 Nordhoff St., Chatsworth, CA 91311
Receivers, Amplifiers, Tuners, Turntables, Cassette Decks, Signal Processors, Digital Audio

VELOCITYNE ACOUSTICS

2565 Scott Blvd., Santa Clara, CA 95050
Speakers

VIBE ACOUSTICS

107 Manchester Drive, Staten Island, NY 10312
Speakers

VISA-INTERNATIONAL ELECTRONICS

5601 NW 78th Avenue, Miami, FL 33166
Blank Tape

VSP LABS

670 Airport Rd., Ste. 1, Ann Arbor, MI 48104
Power Amplifiers, Preamplifiers

C W & J WALKER by MUSIC & SOUND IMPORTS

30 Snowflake Road, Huntington Valley, PA 19006
Turntables

WATTS by AKG

77 Selleck St., Stamford CT 06902
Accessories

WELL TEMPERED LABS

3108 McKinley Way, Costa Mesa, CA 92626
Cartridges & Tonearms

WHARFEDALE

700 Billings St., Suite E, Aurora, CO 80011
Speakers

WINGATE AUDIO

1904 Rustic Road, Johnson City, TN 37601
Power Amplifiers

YALE AUDIO

2702 Azelee St., Tampa, FL 33609
Accessories

YAMAHA ELECTRONICS

6600 Orangethorpe Ave., Buena Park, CA 90620
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ZETA by RMI

6074 Corte Del Cedre, Carlsbad, CA 92008
Cartridges & Tonearms

1 receivers

ADS

Atelier R1 35-Watt Receiver

Stereo receiver with 5 AM/FM station presets, manual flywheel tuning and amplifier clipping indicators. Features connections for 2 tape decks and 2 sets of speakers; LED digital display. FM usable sens mono 1.0 μ V (11.2 dBf); 50-dB quieting sens mono 1.8 μ V (16.5 dBf), stereo 21 μ V (37.7 dBf); THD mono < 0.15%, stereo < 0.25%; S/N mono > 70 dB, stereo > 67 dB; ch sep > 40 dB at 1,000 Hz; capture ratio 1.8 dB; FR 15-14,000 Hz +0.5, -1 dB. Amp section: 35 W/ch continuous average power output into 8 ohms from 20-20,000 Hz with 0.1% THD; 40 W/ch into 4 ohm load. FR tape, 10-75,000 Hz +0, -1.5 dB, phono conforms to RIAA EQ \pm 0.5 dB from 40-20,000 Hz; input sens tape 50 mV into 200k ohms, phono 400 μ V at 1,000 Hz into 47k ohms; S/N tape > 83 dB, phono > 73 dB; 17.52" W \times 2.76" H \times 14.84" D; 17.4 lbs \$500

AKAI

AA-V401 Stereo Receiver

Computer-controlled AM/FM-stereo receiver with direct access volume control and comprehensive fluorescent display. Inputs for MM phono, MC phono, tape, aux, CD player, video sound source. Amp section: 80 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 5-70,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono (16.2 dBf), stereo (37.2 dBf); max S/N, A-wtd, mono 75 dB, stereo 65 dB; THD mono 0.1%, stereo 0.3%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 μ V. 17.3" W \times 4.3" H \times 13.6" D; 21.8 lbs \$400

AA-V301 Stereo Receiver

Computer-controlled AM/FM-stereo receiver with direct access volume control and comprehensive fluorescent display. Inputs for MM phono, tape, aux, CD player, video sound source. Amp section: 60 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 5-70,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 16.2 dBf, stereo 37.2 dBf; max S/N, A-wtd, mono 75 dB, stereo 65 dB; THD mono 0.1%, stereo 0.3%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 μ V. 17.3" W \times 4.3" H \times 13.6" D; 18.5 lbs \$330

AA-V201 Stereo Receiver

Computer-controlled AM/FM-stereo receiver with direct access volume and comprehensive fluorescent display. Inputs for MM phono, tape, aux, CD player, video sound source. Amp section: 40 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 5-60,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 16.2 dBf, stereo 37.2 dBf; max S/N, A-wtd, mono 75 dB, stereo 65 dB; THD mono 0.1%, stereo 0.3%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 μ V. 17.3" W \times 3.1" H \times 12.5" D; 13.6 lbs \$230

AA-A1 Audio/Video Stereo Receiver

Inputs for MM phono, tape, aux, CD player, video sound source. Amp section: 35 continuous average W/ch from 20-20,000 Hz with no more than 0.3% THD into 8 ohms; FR 10-40,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 19.2 dBf, stereo 40.2 dBf; max S/N, A-wtd, mono 70 dB, stereo 62 dB; THD mono 0.2%, stereo 0.4%; sep 42 dB at 1,000 Hz; capture ratio 2.0 dB.

AM section: sens 300 μ V. 17.3" W \times 3.1" H \times 10.4" D; 10.6 lbs \$170

BANG & OLUFSEN

Beomaster 8000 FM-Stereo Receiver

Remote-controlled FM-stereo receiver with 9 FM station presets. Remote station selection, phono, tape 1, tape 2, tape dub to Beocord 8004 stereo cassette deck, volume control, active filters, bass, treble, loudness controls. Features adjustable tape 1, tape 2, phono levels; tape/line-monitoring facilities for 3-head decks. Output power 150 W RMS into 4 ohms with 2 dB headroom, 100 W RMS into 8 ohms with 1 dB headroom at 0.05% THD and 0.1% IMD; amp S/N > 75 dB phono; ch sep > 55 dB; FM stereo usable sens 15 dBf (1.5 μ V) into 75 ohms; FM S/N > 76/> 72 dB mono/stereo at 65 dBf; sep > 40 dB, 100-10,000 Hz \$1,599

Beomaster 5000 Stereo Receiver

AM/FM receiver designed for multi-speaker installations. When used with Master Control Links and remote speakers, it can provide music throughout a home by remote control. Features auto volume adjustment to protect against overloads; frequency-synthesized tuner; auto and manual tuning; 9 presets; Auto Station Lock. Amp section: output power 55 W/ch into 8 ohms from 20-20,000 Hz; HD < 0.02% DIN/IEC; THD < 0.09% IHF; dynamic headroom 1 dB into 8 ohms, 2 dB into 4 ohms; IMD < 0.15% IHF; FR 20-20,000 Hz \pm 1.5 dB phono and tape; S/N > 74 dB phono A-wtd. FM section: usable sens 17 dBf (2 μ V) 75 ohms stereo; 50-dB quieting sens 42 dBf (35 μ V) 75 ohms stereo; FR 20-15,000 Hz \pm 1.5 dB; distortion at 65 dBf 0.35% stereo; capture ratio 1.8 dB. 16 $\frac{1}{4}$ " \times 3" \times 13"; 18 lb 11 oz \$1,399

Beomaster 6000 FM Receiver

Low-profile FM-stereo receiver with full-feature remote control. Features 7 buttons for 1-touch selection of volume, up and down volume scan buttons, hidden slide preset volume control; illuminated scale that displays volume settings; digital display FM-stereo tuner with auto, manual, mono tuning modes; slide balance, bass, treble controls; FM tuning display doubles as clock display; loudness switch. Output power 75 W/ch into 8 ohms, 20-20,000 Hz at < 0.08% THD; dynamic headroom 0.7 dB; IMD < 0.05%; FR 20-20,000 Hz \pm 1.5 dB; damping factor > 60; input sens/imp 0.22 mV/47k ohms phono, 22 mV/200k ohms tape, 500 mV/15-475 kohms line; S/N A-weighted > 75 dB phono, > 78 dB tape; sep > 50 dB; output level/imp 530/1 kohms tape, 500 mV/1 kohms line, 14 V/200 ohms headphones. FM section: mono/stereo usable sens < 15 dBf (1.5 μ V); S/N mono/stereo > 75/> 72 dB at 65 dBf; sep > 40 dB, 100-10,000 Hz; FR 20-15,000 Hz \pm 1 dB; distortion mono/stereo < 0.2%/< 0.18%; capture ratio 1.8; adjacent/alternate-ch sel > 6/> 65 dB; spurious/image/i-f response ratio > 110/> 86/> 120 dB; AM suppression/subcarrier rejection > 63/> 72 dB; 20 $\frac{1}{4}$ " W \times 15" D \times 6" H; 32 lb \$899

Beomaster 3000 Receiver

Remote control LED receiver that functions as center of Beosystem 3000, with microcomputer to control other components via master control link. Features touch-sensitive controls; electronic volume control; volume memory; mute; 5 presets for FM; random tuning; Tape 1/Tape 2 selector switch. Continuous power 25 W/ch into 8 ohms; IHF THD 20-20,000 Hz; IHF IMD 0.1%; FR phono 10-20,000 Hz \pm 1.5 dB, tape 20-20,000 Hz \pm 1.5 dB; input sens/imp, phono

0.35 mV/150 kohms, tape 40 mV/150 kohms; overload level, phono 50 mV, tape 3 V; S/N phono 80 dB A-wtd; sep 40 dB; output tape 500 mV/1 kohm, headphones max 12 V/220 ohms; bass control at 40 Hz \pm 10 dB; treble control at 12,500 Hz \pm 10 dB; FM tuner section range 87.5-108 MHz; FM antenna imp 75 and 240 ohms; usable sens mono 15 dBf (1.5 V) 75 ohms; usable sens stereo 21 dBf (3 V) 75 ohms; S/N mono 74 dB, stereo 70 dB; FM FR 20-20,000 Hz \pm 1.7 dB; distortion (65 dBf) mono 0.3%, (65 dBf) stereo 0.35%; IMD mono 0.05%, stereo 0.25%; capture ratio 1.7 dB; adjacent ch sel 5 dB; alternate ch sel 60 dB; spurious response 84 dB; image response ratio 64 dB; IF response ratio 11 dB; AM suppression 55 dB; sep 40 dB; 24 $\frac{1}{4}$ " W \times 2 $\frac{1}{4}$ " \times 9 $\frac{1}{4}$ " \$599

CARVER

2000 200-Watt Receiver

Stereo receiver incorporating magnetic field amp, sonic holography and special FM NR. Features AM stereo; MC cartridge preamp; remote control. Inputs for MM phono, MC phono, tape, aux, extra aux, CD player, video sound source. Amp section: 200 continuous average W/ch from 20-20,000 Hz with no more than 0.15% THD into 8 ohms; dynamic headroom 0.2 dB; IHF IMD 0.05%; FR 20-20,000 Hz \pm 0 dB. FM section: alternate-ch sel 58 dB; adjacent-ch sel 40 dB; 50-dB quieting sens mono 3.1 μ V, stereo 5 μ V; max S/N, A-wtd, stereo 82 dB; THD mono 0.15%, stereo 0.2%; sep 40 dB at 1,000 Hz; capture ratio 1.0 dB. AM section: sens 250 μ V \$1,499

The Receiver

AM/FM-stereo receiver designed for noise-free stereo FM and adequate power for CDs. Features PLL fully digital-synthesized AM/FM stereo tuner section; magnetic field power amp; asymmetrical charge-coupled FM detector; phono input; video/digital audio input; aux input; 2 tape inputs; 6 station presets; mono switch; bass, midrange, and treble controls; balance control; switches for tone defeat, speaker selection, tape monitoring, tape dubbing, FM muting, AM noise filter, loudness contour. 130 W/ch into 8 ohms from 20-20,000; THD at rated power 0.05%; IMD 0.1% SMPTE; FR 20-20,000 \pm 0.5 dB; noise > 100 dB. FM section (stereo, 75 ohms, with charge-coupled detector engaged): usable sens 16.3 dBf (1.78 μ V); 50-dB quieting sens 23.5 dBf (4.0 μ V); S/N 82 dB at 85 dBf. 17 $\frac{1}{4}$ " W \times 15 $\frac{1}{4}$ " H \times 5 $\frac{1}{4}$ " D \$749

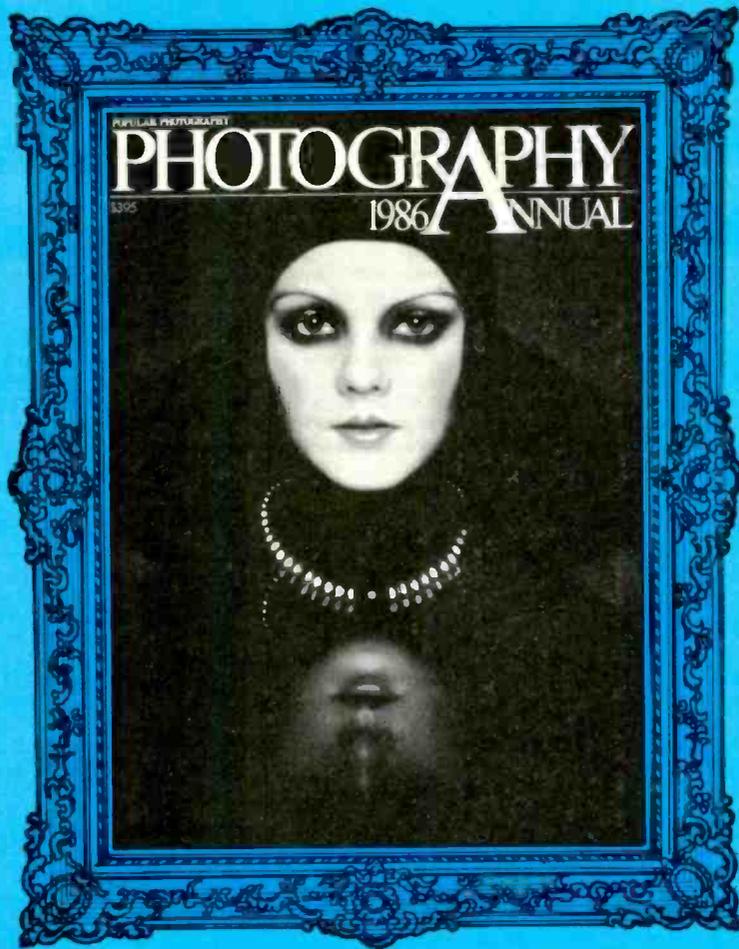
900 90-Watt Receiver

Stereo receiver incorporating magnetic field amp and special FM NR. Inputs for MM phono, tape, aux, extra aux, CD player, video sound source. Amp section: 90 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; dynamic headroom 0.2 dB; IHF IMD 0.05%; FR 20-20,000 Hz \pm 0 dB. FM section: alternate-ch sel 58 dB; adjacent-ch sel 40 dB; 50-dB quieting sens mono 3.1 μ V, stereo 5 μ V; max S/N, A-wtd, stereo 82 dB; THD mono 0.15%, stereo 0.2%; sep 40 dB at 1,000 Hz; capture ratio 1.0 dB. AM section: sens 25 μ V \$599

DENON

DRA-755 Stereo Receiver

Features video and audio inputs for VCR and VDP; video output to monitor TV; pre/main separation; super searcher tuning system; equalizer amp with MC input; nonswitching class A circuitry; variable loudness; 16-station memory random presets; auto/manual scan tuning. Amp section: 75 continuous average W/ch from 20-20,000 Hz with no more than 0.01%



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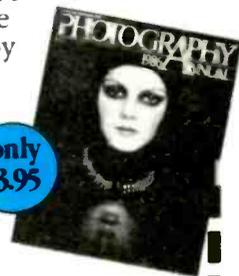
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THD into 8 ohms; IMD <0.005%; S/N high level 95 dB, MM 90 dB, MC 74 dB. Tuner section: sens 0.8 μ V (9.3 dBf); 50 dB S/N mono 1.6 μ V (15.3 dBf), stereo 23 μ V (38.5 dBf). Video section: FR 5 Hz-6 MHz +0, -3 dB; input output imp/sens 75 ohms. \$550

DRA-555 Stereo Receiver

Features video and audio inputs for VCR and VDP; video output to monitor TV; pre/main separation; equalizer amp with MC input; nonswitching class A circuitry; variable loudness; 16-station memory random presets; auto/manual scan tuning. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.015% THD into 8 ohms; IMD <0.025%; S/N high level 95 dB, MM 86 dB, MC 68 dB. Tuner section: sens 0.8 μ V (9.3 dBf); S/N mono 1.8 μ V (16.4 dBf), stereo 23 μ V (38.5 dBf). Video section: FR 5 Hz-6 MHz +0, -3 dB; input output imp/sens 75 ohm \$420

DRA-355 Stereo Receiver

Features video and audio inputs for VCR and VDP; video output to monitor TV; equalizer amp; non-switching class A circuitry; variable loudness; 10-station memory presets; auto/manual scan tuning. Amp section: 41 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IMD <0.03%; S/N high level 95 dB, MM 80 dB. Tuner section: sens 0.8 μ V (9.3 dBf); 50 dB S/N mono 1.8 μ V (16.4 dBf), stereo 23 μ V (38.5 dBf). Video section FR 5 Hz-6 MHz; input output imp/sens 75 ohm \$280

FISHER

TA-150 AM/FM Receiver

AM/FM-stereo tuner-amp with 2-band parametric equalizer. Inputs for MM phono, tape, aux, CD player, video sound source. Features quartz PLL digital tuner; 16-station presets; auto scan. 150 continuous average W/ch; 37.4 lbs \$600

TA-102 AM/FM Receiver

AM/FM-stereo receiver with 16-station presets. Features twin LED power-level meters; digital tuner. Inputs for MM phono, tape, aux, CD player. 100 continuous average W/ch; 24.5 lbs \$400

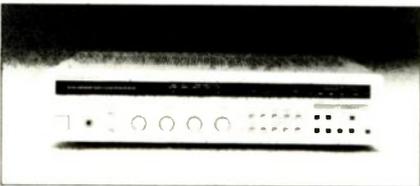
HARMAN KARDON

HK690i AM/FM Stereo Receiver

AM/FM-stereo receiver with digital synthesized quartz-locked tuner. Features DC digital frequency display; 8 AM/8 FM presets; 5-LED signal-strength meter; sample-and-hold MPX decoder; dual RIAA EQ circuitry; bass and treble turnover tone controls; MC head amp; tone defeat; infrasonic and high-cut filters; 2 tape monitors with 2-way dub; loudness; muting; up/down scan tuning. Output power 60 W/ch continuous into 8 ohms, 20-20,000 Hz with 0.06% THD; high instantaneous current capability 45 amps; FR 0.2-150,000 Hz +0, -3 dB; slew rate 200V/ μ sec; S/N phono MM/MC/AUX 80/78/80 dB; phono overload MM/MC 220/12 mV; FM sens 1.9 μ V mono; 50-dB quieting sens mono/stereo 3.2 μ V/35 μ V; FR 30-15,000 Hz +1, -2 dB; capture ratio 1.0 dB; alternate ch sel 70 dB; sep 55 dB at 1 kHz; 17 $\frac{1}{2}$ " W x 5 $\frac{1}{2}$ " H x 16" D \$700

HK495i AM/FM Receiver

AM/FM-stereo receiver with digital synthesized quartz-locked tuner. Features reactive load and high instantaneous current capability, low negative feedback; ultrawide bandwidth. Inputs for MM phono,



tape, CD player. Amp section: 45 continuous average W/ch from 20-20,000 Hz with no more than 0.09%

THD into 8 ohms; FR 5-150,000 Hz \pm 3 dB. FM section: alternate-ch sel 65 dB; 50-dB quieting sens mono 1.65 μ V (15.6 dBf), max S/N, A-wtd stereo 75 dB; THD mono 0.08%, stereo 0.12%; sep 50 dB at 1,000 Hz; capture ratio 1.2 dB. AM section: sens 15 μ V. 17 $\frac{1}{2}$ " W x 4" H x 14 $\frac{1}{2}$ " D; 15.4 lbs . . . \$435

HK395i AM/FM Receiver

AM/FM-stereo receiver with digital synthesized quartz-locked tuner. Features reactive load and high instantaneous current capability, low negative feedback. Inputs for MM phono, 2 tape monitors, CD player. Amp section: 30 continuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; FR 5-150,000. FM section: alternate-ch sel 65 dB; 50-dB quieting sens mono 1.65 μ V (15.6 dBf), max S/N, A-wtd, stereo 75 dB; THD mono 0.08%, stereo 0.12%; sep 50 dB at 1,000 Hz; capture ratio 1.2 dB. AM section: sens 15 μ V. 17 $\frac{1}{2}$ " W x 4" H x 14 $\frac{1}{2}$ " D; 13.9 lbs \$335

HK385i AM/FM Receiver

AM/FM-stereo receiver with reactive load and high instantaneous current capability. Features ultrawide bandwidth; low negative feedback; discrete circuitry. Inputs for MM phono, tape, CD player. Amp section: 30 continuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; FR 5-150,000 Hz \pm 3 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 1.9 μ V (16.8 dBf), max S/N, A-wtd, stereo 74 dB; THD mono 0.08%, stereo 0.12%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 15 μ V. 17 $\frac{1}{2}$ " W x 4" H x 14 $\frac{1}{2}$ " D; 13.9 lbs \$235

HITACHI

HTA70F AM/FM Receiver

Digital synthesized receiver with large FL display. Features 7-band graphic equalizer; 7-band spectrum analyzer. Inputs for MM phono, tape, CD player. Amp section: 70 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; IHF IMD 0.03%; FR 10-40,000 Hz \pm 2 dB. FM section: alternate-ch sel 53 dB; 50-dB quieting sens mono 20.2 dBf, stereo 38.2 dBf; max S/N, A-wtd, mono 74 dB, stereo 70 dB; THD mono 0.15%, stereo 0.25%; sep 40 dB at 1,000 Hz. AM section: sens 18 μ V. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 13 $\frac{3}{8}$ " D; 8 lbs . . . \$540

HTA55HF AM/FM Receiver

AM/FM-stereo receiver with 5-band graphic equalizer; digital synthesized tuning. Inputs for MM phono, tape, CD player. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IHF IMD 0.05%; FR 10-40,000 Hz \pm 2 dB. FM section: alternate-ch sel 53 dB; 50-dB quieting sens mono 20.2 dBf, stereo 38.2 dBf; max S/N, A-wtd, mono 74 dB, stereo 70 dB; THD mono 0.15%, stereo 0.25%; sep 40 dB at 1,000 Hz. AM section: sens 18 μ V. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 13 $\frac{3}{8}$ " D; 7 lbs \$400

HTA-35F AM/FM Receiver

Digital receiver with 8 AM/8 FM station presets and feather-touch controls. Inputs for MM phono, tape, aux/CD. Amp section: 35 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IHF IMD 0.05%; FR 10-40,000 Hz \pm 2 dB. FM section: alternate-ch sel 53 dB; adjacent-ch sel 53 dB; 50-dB quieting sens mono 20.2 dBf, stereo 38.2 dBf; max S/N, A-wtd, mono 74 dB, stereo 70 dB; THD mono 0.3%, stereo 0.5%. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11 $\frac{1}{2}$ " D; 12 lbs \$250

HTA-25F AM/FM Receiver

Digital receiver with 6 AM/6 FM station presets and feather-touch controls. Inputs for MM phono, tape, aux/CD. Amp section: 25 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms; IHF IMD 0.15%; FR 10-40,000 Hz \pm 2 dB. FM section: alternate-ch sel 53 dB; adjacent-ch sel 53 dB; 50-dB quieting sens mono 20.2 dBf, stereo 38.2 dBf; max S/N, A-wtd, mono 74 dB, stereo 70 dB; THD, mono 0.3%, stereo 0.4%. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11 $\frac{1}{2}$ " D; 11 lbs \$200

HTA-2 Stereo Receiver

AM/FM stereo tuner with power amp in a single chassis. Features vector tuning system; AM loop antenna with built-in circuit; 2-speaker-pair capability; light-touch push-button function switching; loudness switch; tape monitor; FM mute switch. RMS rated output power, both chs driven from 40-20,000 Hz 8 ohms; FR 10-40,000 Hz \pm 2 dB; THD at rated output <0.1%; IMD 0.05%; input sens at 25 W output 1,000 Hz, phono 2.5 mV/47k ohms, tape, CD/video/aux 150 mV/35k ohms; S/N IHF, phono 70 dB; tape, CD/video/aux 95 dB. FM section: usable sens mono 13.2 dBf; 50 dB quieting sens mono 18.2 dBf 4.5 μ V; S/N at 65 dBf mono 76 dB IHF, stereo 70 dB IHF; FR 30-12,000 Hz \pm 2 dB; capture ratio 1.5 dB; stereo sep 40 dB at 1,000 Hz; 17 $\frac{1}{2}$ " W x 3 $\frac{1}{2}$ " H x 11 $\frac{1}{2}$ " D; 11 lb, 14 oz \$160

JENSEN

AVS-1500 Audio/Video Receiver

AM/FM stereo receiver and video tuner with micro-processor switcher to integrate turntable, tape deck, VCR, videodisc player, video game, and computer functions. Features wireless remote control; frequency-synthesized PLL audio tuning; digital frequency synthesized video tuning; audio signal processor; cable ready for up to 133 channels; DNR; simulcast capability. Tone controls: bass \pm 10 dB at 100 Hz; treble \pm 10 dB at 10,000 Hz; loudness +7 dB at 100 Hz, +4 dB at 10,000 Hz, +7 dB at 20,000 Hz. Remote control uses 2 AAA batteries. FM tuner section: sens 12.8 dBf (1.2 μ V) at 75 ohms; 50-dB quieting mono 19.2 dBf (2.5 μ V); 50-dB quieting stereo 40.8 dBf (30 μ V); S/N 82 dB mono, 74 dB stereo; THD at 1,000 Hz 0.08% mono, 0.15% stereo; sep 75 dB at 400,000 Hz; sep 45 dB at 1,000 Hz; AM suppression 60 dB. AM tuner section: sens 250 μ V/m with ferrite antenna; S/N 50 dB. Amp section: 50 W/ch continuous RMS into 8 ohms; THD and IMD <0.05; damping factor 40. Audio FR: phono RIAA \pm 0.5 dB; tape, video 1, video 2 20-20,000 Hz \pm 1 dB. Audio S/Ns: MM phono 86 dB 2.5 mV input; tape, video 1, video 2 90 dB. Video tuner section: RF sens VHF, UHF 22 dB μ V at -30 dB S/N; luminance picture level 1.0 V peak to peak (video output); video FR at -6 dB 0.1-4.0 MHz at video output, 0.1-3.5 MHz RF modulator (ch 3 or 4); audio FR 65-15,000 Hz +0/-3 dB. Antenna (RF) inputs: VHF 75 ohm unbalanced; CATV 75 ohms unbalanced; UHF 300 ohm balanced; aux 75 ohms unbalanced. 27 lbs. \$990

JVC

R-X500B Receiver

Computer-controlled Dynamic Super A receiver with remote control. Features Computer-controlled SEA graphic equalizer with five programmable presets. Inputs for MM phono; MC phono; tape; aux; CD. 100 continuous average W/ch from 20-20,000 Hz with <0.007% THD into 8 ohms; IHF IMD 0.007%; FR 20-20,000 Hz \pm 0.5 dB; alternate-ch sel 75 dB; 50-dB quieting sens mono 14.8 dBf; 50-dB quieting sens stereo 38.3 dBf; max S/N mono 82 dB, stereo 73 dB, both A-wtd; 50-dB quieting sens mono 14.8 dBf; 50-dB quieting sens stereo 38.3 dBf; max S/N A-wtd mono 82 dB, stereo 73 dB; THD mono 0.08%, stereo 0.1; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB; 20.5 lbs; 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 14 $\frac{1}{8}$ " D \$650

R-X400B Receiver

Computer-controlled dynamic Super A receiver with

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

graphic equalizer. Features LCD; information 5 programmable equalizer presets; 15 FM/AM presets. Inputs for MM phono; tape; aux; CD. 70 average W/ch from 20-20,000 Hz with $1 < 0.007\%$ THD into 8 ohms; IHF IMD 0.007%; FR 20,000 Hz ± 0.5 dB; alternate-ch sel 75 dB; 50-dB quieting sens mono, 14.8 dBf; 50-dB quieting stereo, 38.3 dBf; max S/N, A-wtd, mono 82 dB, 73 dB; THD, mono 0.08%, stereo 0.1%; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB; 14.6 lbs; $17\frac{1}{8}''$ W \times $4\frac{1}{8}''$ H \times $14\frac{1}{8}''$ D \$500

RX370VB Video-Ready Receiver

Remote-control digital synthesizer AM/FM-stereo receiver. Features direct call system; sound selector; acoustic expander; preset for 10 AM and 10 FM stations. Inputs for MM phono, tape, aux (video), aux (audio), CD player, VTR, TV. Amp section: 50 continuous average W/ch from 40-20,000 Hz with $< 0.15\%$ THD into 8 ohms; FR 20-20,000 Hz ± 1 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 1.5 μ V/75 ohms (14.8 dBf), stereo 23.5 μ V/75 ohms (38.3 dBf); max S/N, A-wtd, mono 82 dB, stereo 73 dB; THD mono 0.08%, stereo 0.15%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 250 μ V/m (loop antenna). $17\frac{1}{8}''$ W \times $4\frac{1}{8}''$ H \times $13\frac{3}{8}''$ D; 14.4 lbs \$350

RX330VB Video-Ready Receiver

Computer-controlled digital synthesizer AM/FM-stereo receiver. Features Gm driver; SEA graphic EQ; sound selector; acoustic expander; presets for 15 FM and 15 AM stations. Inputs for MM phono, tape, video-1, video-2, CD player/AV, VCR. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; IHF IMD 0.03%; FR 5-50,000 Hz $+0, -1$ dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 1.5 μ V/75 ohms (14.8 dBf), stereo 22.5 μ V/75 ohms (38.3 dBf); max S/N, A-wtd, mono 82 dB, stereo 73 dB; THD mono 0.08%, stereo 0.15%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 250 μ V/m (loop antenna) $17\frac{1}{8}''$ W \times $4\frac{1}{8}''$ H \times $13\frac{3}{8}''$ D; 15.5 lbs \$330

RX-220 Digital Synthesizer AM/FM Receiver

Features 5-band SEA stereo graphic EQ; acoustic expander; preset for 8 AM and 8 FM stations; source indicator; 2-pairs speaker switch. Inputs for MM phono, tape, CD player/aux, video sound. Amp section: 40 continuous average W/ch from 40-20,000 Hz with no more than 0.5% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 1.8 μ V/75 ohms (16.3 dBf), stereo 22.5 μ V/75 ohms (38.3 dBf); max S/N, A-wtd, mono 80 dB, stereo 73 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 350 μ V/m (loop antenna). $17\frac{1}{8}''$ W \times $3\frac{3}{8}''$ H \times $10\frac{1}{2}''$ D; 9.5 lbs \$240

RX-110 Digital Synthesizer AM/FM Receiver

Features preset for 8 AM and 8 FM stations; auto loudness; source indicators; 2-pairs speaker switch. Inputs for MM phono, tape, CD player, video sound. Amp section: 25 continuous average W/ch from 40-20,000 Hz with no more than 0.5% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 1.8 μ V/75 ohms (16.3 dBf), stereo 22.5 μ V/75 ohms (38.3 dBf); max S/N, A-wtd, mono 80 dB, stereo 73 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 350 μ V/m (loop antenna). $17\frac{1}{8}''$ W \times $3\frac{3}{8}''$ H \times $10\frac{1}{2}''$ D; 8.4 lbs \$175

KENWOOD

KVRA 90R(B) Video Stereo Receiver

AM/FM-stereo receiver with full function wireless remote control. Features 10 key direct access tuning; 20 random presets with preset scan; 7-band electronic graphic equalizer with 5 memory presets; 2 video inputs with synthetic stereo sound; spectrum analyzer; 2 tape monitors. Inputs for tape, CD player, video sound source. Amp section: 70 continuous average watts per ch from 20 to 20,000 Hz with no more than 0.007 per cent THD into 8 ohms. FM section:

50-dB quieting sens mono 2.8 μ V (14.2 dBf), stereo 38 μ V (36.8 dBf); THD mono 0.07%, stereo 0.1%. AM section: sens 400 μ V. $16\frac{1}{8}''$ W \times $5\frac{1}{8}''$ H \times $12\frac{1}{8}''$ D; 19.6 lbs \$490

KVRA 70R(B) Computerized Audio/Video Receiver

AM/FM-stereo receiver with full function wireless remote control. Features peak power level indicator; 10 key direct access tuning; 20 random presets with preset scan; 7-band electronic graphic equalizer with 5 memory presets; 2 video inputs w/synthetic stereo sound. Inputs for tape, CD player, video sound source. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.008% THD into 8 ohms. FM section: 50-dB quieting sens mono 2.8 μ V (14.2 dBf), stereo 38 μ V (36.8 dBf); THD mono 0.07%, stereo 0.1%. $16\frac{1}{8}''$ W \times $5\frac{1}{8}''$ H \times $12\frac{1}{8}''$ D; 18.5 lbs \$400

KR-A70 (B) Computerized Stereo Receiver

AM/FM-stereo receiver with 10 key direct access tuning. Features 20 random presets with preset scan; automatic seek tuning; 7-band electronic equalizer with 5 memory presets. Inputs for CD player. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.008% THD into 8 ohms. FM section: 50-dB quieting sens mono 2.8 μ V (14.2 dBf), stereo 38 μ V (36.8 dBf); THD mono 0.07%, stereo 0.1%. $16\frac{1}{8}''$ W \times $5\frac{1}{8}''$ H \times $12\frac{1}{8}''$ D; 18.1 lbs \$320

KR-A20 (B) AM/FM Receiver

AM/FM-stereo receiver with 5-band graphic equalizer. Features quartz synthesized digital tuner; 16 random presets; two speaker system capability; auto tuning. Inputs for CD player. Amp section: 40 continuous average W/ch. FM section: 50-dB quieting sens mono 4.0 μ V (17.2 dBf), stereo 40 μ V (37.2 dBf); THD mono 0.2%, stereo 0.3%. $16\frac{1}{8}''$ W \times $4\frac{1}{8}''$ H \times $9\frac{1}{8}''$ D; 12.1 lbs \$230

KR-A 10(B) AM/FM Receiver

AM/FM stereo receiver with Quartz synthesized digital tuner. Features 8 random presets; auto tuning; loudness control; connection for 2 speaker system. Inputs for CD player. Amp section: 30 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms. FM section: 50-dB quieting sens mono 4.0 μ V (17.2 dBf), stereo 40 μ V (37.2 dBf); THD mono 0.2%, stereo 0.3% \$185

KYOCERA

R-861 Tuner/Amplifier

Features 100 W/ch (continuous RMS, both channels driven into 8 ohms, from 20 Hz, with no more than 0.02% THD); 3-band parametric EQ for exacting tonal adjustment; switchable MM/MC phono preamp; preamp out/main amp in jacks; subsonic filter; quartz frequency synthesis tuning with high-speed 2,500 Hz comparator for low noise; switchable IF bandwidth; defeatable bass/treble controls; Dolby FM de-emphasis switch; 7 AM and 7 FM preset stations; high blend feature. FM S/N 80 dB stereo, 82 dB mono; slew rate 50 V/ μ sec; rise time 1.0 μ sec; S/N (IHF-A) phono MC 88 dB, phono MM 86 dB \$975

R-661 Tuner/Amplifier

Features 70 W/ch (continuous RMS, both channels driven into 8 ohms, from 20-20,000 Hz, with no more than 0.02% THD); defeatable bass and treble controls for exacting tonal adjustment; switchable MM/MC phono preamp; preamp out/main amp in jacks; subsonic filter; quartz frequency synthesis tuning with high-speed 2,500 Hz comparator for low noise; switchable IF bandwidth; 7 AM and 7 FM presets; high blend feature. FM S/N 80 dB stereo, 80 dB mono; slew rate 50 V/ μ sec \$750

R-461 Tuner/Amplifier

Inputs for MM phono, MC phono, tape, tape 2, Aux,

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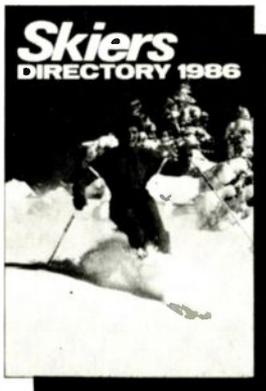
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#63

Receivers

1

Receivers

extra aux. CD player. Amp section: 50 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; dynamic headroom 2.1 dB; IHF IMD 0.02%; FR 30-15,000 Hz ± 1 dB. FM section: alternate-ch sel 55 dB; 50-dB quieting sens mono 17 μ V (50 dBf), stereo 37.2 μ V (50 dBf); max S/N, A-wtd, mono 77 dB, stereo 72 dB; THD mono 0.08%, stereo 0.12%; sep 48 dB at 1,000 Hz; capture ratio 1.2 dB. AM section: sens 300 μ V. 18 $\frac{1}{2}$ " W \times 4" H \times 12 $\frac{1}{2}$ " D; 18.5 lbs. \$550

RC-101 Remote Control Unit. Wireless remote control center for selection/function control of Kyocera remote control products. Features single-cable interconnect to units; 2 external remote sensor inputs; manual override \$250

RT-102 Remote Transmitter. Handheld wireless remote transmitter with 12 receiver, 6 tape deck, and 5 CD player functions. Features auto system power on/off. Controls main functions on Kyocera's new remote control components directly or through remote sensors. Included with RC-101.

RS-103 Remote Control Center. Features single-cable connection to Kyocera RC-101 control center and external remote control sensor. Allows multi-room remote control of Kyocera remote-capable CD players, receivers, and cassette decks \$75

LUXMAN

R-406 AM/FM Receiver

Digital synthesized AM/FM-stereo receiver. Amp section: 60 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 10-50,000 Hz -1 dB. FM section: THD stereo 0.05%; sep 49 dB at 1,000 Hz. 17 $\frac{3}{16}$ " W \times 4 $\frac{1}{4}$ " H \times 12" D; 18.7 lbs. \$570

R-404 AM/FM Receiver

Digital synthesized AM/FM-stereo receiver. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 10-45,000 Hz -1 dB. FM section: THD stereo 0.05%; sep 45 dB at 1,000 Hz. 17 $\frac{13}{16}$ " W \times 4 $\frac{1}{8}$ " H \times 12" D; 17.7 lbs. \$400

R-405 AM/FM Receiver

Digital synthesized AM/FM-stereo receiver. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 10-45,000 Hz -1 dB. FM section: THD stereo 0.05%; sep 45 dB at 1,000 Hz. 17 $\frac{13}{16}$ " W \times 4 $\frac{1}{8}$ " H \times 12" D; 17.7 lbs. \$400

MARANTZ

TA 150 Remote-Control Receiver

Receiver with 16-preset digital tuning; 5-band graphic equalizer; electronic volume; power meter. Inputs for MM phono, tape, CD player. Amp section: 150 continuous average W/ch 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 10-35,000 Hz ± 1 dB. FM section: alternate-ch sel 50 dB; 50-dB quieting sens, mono 15 dBf, stereo 37 dBf; max S/N, A-wtd, mono 76 dB, stereo 68 dB; THD mono 0.15%, stereo 0.3%; sep 42 dB at 1,000 Hz; capture ratio 1 dB. 16 $\frac{1}{2}$ " W \times 7 $\frac{1}{4}$ " H \times 13" D; 34 lbs. \$650

TA 110 Remote-Control Receiver

Receiver with 16-preset digital tuning; 5-band graphic equalizer; electronic volume; power meters. Inputs for MM phono, tape, CD player. Amp section: 110 continuous average W/ch 20-20,000 Hz with no more than 0.05% THD into 8 ohms; 50-dB quieting sens, mono 16 dBf, stereo 38 dBf; other specs similar to TA 150's (above). 16 $\frac{1}{2}$ " W \times 7 $\frac{1}{4}$ " H \times 13" D; 30 lbs. \$570

SR 940 FM Stereo and AM Stereo Receiver

AM/FM receiver with digital tuning capable of receiving Motorola AM stereo broadcasts with built-in decoder. Features wireless remote control, clock/timer. Inputs for MM phono, tape, aux, extra aux. Amp section: 100 continuous average W/ch 20-20,000 Hz with no more than 0.01% THD into 8 ohms; IHF IMD 0.01%. FM section: alternate-ch sel 65 dB; 50-dB

quieting sens, mono 13.1 dBf, stereo 35 dBf; max S/N, A-wtd, mono 72 dB, stereo 65 dB; THD, mono 0.1%, stereo 0.2%; capture ratio 0.9 dB. AM section: sens 20 μ V. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{4}$ " H \times 16 $\frac{1}{4}$ " D; 8.7 lbs. \$570

Remote-Control Receiver

Receiver with 16-preset digital tuning; 7-band graphic equalizer; electronic volume. Inputs for MM phono, tape, CD player. Amp section: 70 continuous average W/ch 20-20,000 Hz with no more than 0.09% THD into 8 ohms. FM section: alternate-ch sel 50 dB; 50 dB quieting sens, mono 16.8 dBf, stereo 39.2 dBf; max S/N, A-wtd, mono 75 dB, stereo 68 dB; THD mono 0.2%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.2 dB. 16 $\frac{1}{2}$ " W \times 7 $\frac{1}{4}$ " H \times 10 $\frac{1}{4}$ " D; 21 lbs. \$480

SR 840 70-Watt Stereo Receiver

AM/FM receiver with digital-synthesis tuning, clock/timer. Capable of receiving Motorola AM stereo broadcasts with optional AMS 40 adapter. Inputs for MM phono, tape, aux, extra aux. Amp section: 70 continuous average W/ch 20-20,000 Hz with no more than 0.02% THD into 8 ohms; IHF IMD 0.02%. FM section: alternate-ch sel 65 dB; 50-dB quieting sens, mono 13.1 dBf, stereo 35 dBf; max S/N, A-wtd, mono 72 dB, stereo 65 dB; THD, mono 0.1%, stereo 0.2%; capture ratio 0.9 dB. AM section: sens 20 μ V. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{4}$ " H \times 16 $\frac{1}{4}$ " D; 26 $\frac{1}{2}$ lbs. \$470

SR 640 45-Watt Stereo Receiver

AM/FM receiver with digital synthesis tuning. Capable of receiving Motorola AM stereo broadcasts with optional AMS 40 adapter. Inputs for MM phono, tape, aux, extra aux. Amp section: 45 continuous average W/ch 20-20,000 Hz with no more than 0.02% THD into 8 ohms; IHF IMD 0.02%. FM section: alternate-ch sel 60 dB; 50-dB quieting sens, mono 14.4 dBf, stereo 36 dBf; max S/N, A-wtd, mono 70 dB, stereo 62 dB; THD, mono 0.1%, stereo 0.2%; capture ratio 1.2 dB. AM section: sens 20 μ V. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{4}$ " H \times 12 $\frac{3}{4}$ " D; 18.3 lbs. \$300

SR 250 25-Watt Receiver

Receiver with 16-preset digital tuning. Inputs for MM phono, tape, CD player, video sound source. Amp section: 25 continuous average W/ch 20-20,000 Hz with no more than 0.25% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB. FM section: alternate-ch sel 45 dB; 50-dB quieting sens, mono 16.8 dBf, stereo 39.2 dBf; max S/N, A-wtd, mono 70 dB, stereo 62 dB; THD mono 0.35%, stereo 0.6%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. 16 $\frac{1}{2}$ " W \times 3 $\frac{13}{16}$ " H \times 11 $\frac{3}{4}$ " D; 13.2 lbs. \$190

SR 240 25-Watt Stereo Receiver

AM/FM receiver with inputs for MM phono, tape, aux. Amp section: 25 continuous average W/ch 20-20,000 Hz with no more than 0.1% THD into 8 ohms; IHF IMD 0.1%. FM section: alternate-ch sel 40 dB; 50-dB quieting sens, mono 19 dBf, stereo 45 dBf; max S/N, A-wtd, mono 68 dB, stereo 60 dB; THD, mono 0.3%, stereo 0.5%; capture ratio 1.5 dB. AM section: sens 29 μ V. 16 $\frac{1}{2}$ " W \times 4" H \times 11 $\frac{1}{2}$ " D; 13 $\frac{1}{2}$ lbs. \$130

MITSUBISHI

DA-R56 AM/FM Receiver

AM/FM-stereo receiver with AM stereo circuitry. Features 5-band graphic equalizer; 4 video inputs; 3 video outputs; video sharpness control and video amp to eliminate signal attenuation from multiple video connections; built-in NR. Inputs for MM phono, tape, aux, CD player, VCR 1, VCR 2, TV, VDP. Amp section: 70 continuous average W/ch from 20-20,000 Hz with no more than 0.015% THD into 8 ohms; FR 20-20,000 Hz ± 0.2 dB. FM section: 50-dB quieting sens mono 3.6 μ V (16.4 dBf), stereo 41 μ V (37.3 dBf); max S/N, A-wtd, mono 82 dB, stereo 75 dB; THD mono 0.2%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: FR 50-7,000 Hz ± 3 dB; sens 300 μ V. 16 $\frac{3}{8}$ " W \times 5 $\frac{1}{8}$ " H \times 17 $\frac{1}{8}$ " D; 21 lbs, 12 oz. \$450

DA-R46. Same as DA-R56 except 50 W/ch and no

AM stereo circuitry \$390

NAD**7155 Receiver**

Digital AM/FM building-block receiver with Dyn Sep circuitry and high current, bridgeable amp, pre-out/amp-in. Soft Clipping™, imp matching, Bass EQ, 40 amp peak current, Dynamic sep circuit. Inputs for MM phono; MC phono; tape 2; aux; CD. 55 continuous average W/ch from 20-20,000 Hz <0.02% THD; dynamic headroom 3 dB; IHF IMD 0.03%; FR 20-20,000 Hz ±0.05 dB. Alternate-ch sel 70 dB; adjacent-ch sel 8 dB; 50-dB quieting sens, mono, 2.5 (13.2 dBf); 50-dB quieting sens, stereo, 22 µV (32 dBf); max S/N, A-wtd, mono 82 dB, stereo 80 dB; THD, mono 0.09%, stereo 0.09%; sep 50 dB at 1,000 Hz; capture ratio <1.5 dB; sens 300 µV \$598

7140 Receiver

High-current high-headroom digital AM/FM building-block bridgeable receiver. Features pre-out/amp-in, Soft Clipping™, speaker imp matching, 34 amp peak current, Dynamic sep circuit. Inputs for MM phono, MC phono, tape, aux, CD. 40 continuous average W/ch from 20-20,000 Hz with <0.02% THD into 8 ohms; dynamic headroom 3 dB; IMD 0.03%; FR 20-20,000 Hz ±0.05 dB; alternate-ch sel 70 dB; adjacent-ch sel 8 dB; 50-dB quieting sens, mono, 2.5 (13.2 dBf); 50-dB quieting sens, stereo, 22 µV (32 dBf); max S/N, A-wtd, mono 82 dB, stereo 80 dB; sens 300 µV \$478

7138 Digital AM/FM Receiver

AM/FM receiver with inputs for MM phono; MC phono; aux, tape. Amp section: 30 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; dynamic headroom +3 dB; IHF IMD 0.03%. FM section: alternate-ch sel 70 dB; 50-dB quieting sens mono 2.8 µV (14.2 dBf), stereo 28 µV (34.2 dBf); max S/N, A-wtd, mono 82 dB, stereo 75 dB; THD mono 0.09%, stereo 0.09%; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 µV. 42 cm W × 10.8 H × 38 D; 17 lbs, 9 oz \$348

7125 AM/FM-Stereo Receiver

Digitally tuned receiver with Dyn Sep circuit. Features presets for 5 stations; center-tune indicator; loudness compensation and bass EQ switches; mono button. Amp section: continuous average power output 25 W at 8 ohms min RMS power per channel 20-20,000 Hz both chs driven with no more than rated distortion 20-20,000 Hz THD <0.05%; THD ≤ 0.05% 20-20,000 Hz from 250 mW to rated output; TIM <0.02% with 15,000 Hz sine wave +3.18 Hz square wave at rated output. Tuner section: IHF usable sens 1.9µV (10.8 dBf); 50-dB quieting mono 3.0µV (14.8 dBf); 50-dB quieting stereo 30µV (34.8 dBf); S/N 65 dB A-wtd, mono/stereo 80/75 dB; FR 30-15,000 Hz; 3.25" H × 16.5" W × 11.25" D \$248

NIKKO**NR-850 AM/FM Receiver**

AM/FM-stereo receiver with fully infra-red remote and VCR audio dubbing. Inputs for MM phono, tape, aux, CD player, video sound source. Amp section: 65 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; IHF IMD 0.03%; FR 20-20,000 Hz ±0 dB. FM section: alternate-ch sel 60 dB; adjacent-ch sel 60 dB; 50-dB quieting sens mono 3.2 µV, stereo 2 µV; max S/N, A-wtd, mono 75 dB, stereo 65 dB; THD mono 0.1%, stereo 0.2%; sep 45 dB at 1,000 Hz. AM section: sens 50 µV (50 dBf). 17½" W × 3¾" H × 12¾" D; 20.5 lbs \$600

NR-1000 AM/FM Receiver

Stereophonic digital receiver with digital synthesized tuning. Inputs for MM phono, MC phono, tape, 2 aux, CD player. Amp section: 65 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; IHF IMD 0.03%; FR 20-20,000 Hz ±1 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 3 µV (14.7 dBf), stereo 3.5 µV

(15.5 dBf); max S/N, A-wtd, mono 70 dB, stereo 60 dB; THD mono 0.1%, stereo 0.2%; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 350 µV. 17¼" W × 4¼" H × 13½" D; 22.4 lbs \$480

NR-750 Digital Receiver

AM/FM-stereo receiver with display for preset channel (1-7). Inputs for MM phono, tape, aux, CD player. Amp section: 48 continuous average W/ch from 20-20,000 Hz with no more than 0.4% THD into 8 ohms; dynamic headroom 40 dB; IHF IMD 0.4%; FR 20-20,000 Hz ±0 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono (14 dBf), stereo 20 dBf; max S/N, A-wtd, mono 75 dB, stereo 65 dB; THD mono 0.1%, stereo 0.2%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 350 µV. 17¼" W × 3¾" H × 12" D; 16.5 lbs \$380

NR 650 AM/FM Receiver

Inputs for MM phono, tape, aux, CD player. Amp section: 38 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IHF IMD 0.05%; FR 20-20,000 Hz ±0 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono 3.2 µV; max S/N, A-wtd, mono 65 dB, stereo 55 dB; THD mono 0.1%, stereo 0.2%; sep 45 dB at 1,000 Hz; capture ratio 80 dB. AM section: sens 50 dBf. 17¼" W × 3¾" H × 12¾" D; 13.7 lbs \$290

NR-350 AM/FM Receiver

Inputs for MM phono, tape, aux, CD player. Amp section: 32 continuous average W/ch from 20-20,000 Hz with no more than 0.08% THD into 8 ohms; IHF IMD 0.08%; FR 20-20,000 Hz ±0 dB. FM section: alternate-ch sel 50 dB; 50-dB quieting sens mono 32 µV; THD mono 0.1%, stereo 0.2%; sep 45 dB at 1,000 Hz. AM section: sens 35 dBf. 17¼" W × 3¾" H × 12¾" D. 12.8 lbs \$200

ONKYO**Integra TX-85 80-Watt Receiver**

Quartz synthesizer tuner/amplifier with dbx NR encoding and decoding. Features dynamic expander bass expansion restoration system; direct tone control; auto precision reception; 16-station memory; logic input selector. Inputs for MM phono, MC phono, tape, aux, CD video sound source, tuner. 80 continuous average W/ch 20-20,000 Hz with no more than 0.03% THD into 8 ohms; FR 20-20,000 Hz. Black finish \$620

Integra TX-65. Similar to TX-85 except 60 W/ch \$485

Integra TX-65B. As TX-65 with black finish... \$485

CW-65. Wood side panels for use with TX-65 receiver \$40/set

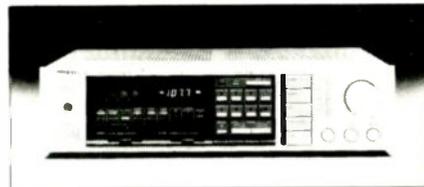
TX-RV47 Audio/Video Control Receiver

Computer-controlled AM/FM receiver. Features 16-station memory (8 AM, 8 FM); 5 audio inputs; 4 video inputs; stereo synthesizer for mono audio sources (TV, VCR); matrix surround with 4 speakers; full-function wireless remote control; direct tone controls; stereo image expander; dynamic bass enhancer. Inputs for MM phono, tape, aux, extra aux, CD player, video sound source, Hi-Fi VCR, videodisc, aux video/audio. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.04% THD into 8 ohms. FM section: alternate-ch sel 55 dB; adjacent-ch sel 50 dB; 50-dB quieting sens mono 4 µV (17.2 dBf), stereo 40 µV (37.2 dBf); max S/N, A-wtd, mono 72 dB, stereo 67 dB; THD mono 0.15%, stereo 0.25%; sep 40 dB at 1,000 Hz; AM section: sens 30 µV. 17¼" W × 4¼" H × 13½" D; 20 lbs; black finish only \$500

TX-37 55-Watt Receiver

Computer-controlled quartz-synthesized tuner amp. Features delta power supply; dynamic bass enhancer; stereo image expander; random 16-station tuner memory; direct tone, passive EQ tone controls; 4-mode APR system. Inputs for MM phono, tape, CD player, video sound source. Amp section: 55 continuous average W/ch from 20-20,000 Hz with no more than 0.04% THD into 8 dB. FM section: alternate-ch

sel 55 dB; adjacent-ch sel 50 dB; 50-dB quieting sens mono 4 µV (17.2 dBf), stereo 40 µV (37.2 dBf); max S/N, A-wtd, mono 72 dB, stereo 67 dB; THD mono



0.15%, stereo 0.25%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 30 µV. 17¼" W × 4¼" H × 13½" D; 19 lbs \$350

TX-37B. Same as above in black \$350

TX-27 40-Watt Receiver

Computer controlled tuner amplifier. Features Automatic Precision Reception tuning; delta power supply; dynamic bass expander; 16-station random memory; direct tone, passive EQ tone controls. Inputs for MM phono, tape, CD player, video sound source. Amp section: 40 continuous average W/ch from 20-20,000 Hz with no more than 0.08% THD into 8 ohms. FM section: alternate-ch sel 55 dB; adjacent-ch sel 50 dB; 50-dB quieting sens mono 40 µV (17.2 dBf), stereo 40 µV (37.2 dBf); max S/N, A-wtd, mono 71 dB, stereo 66 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 30 µV. 17¼" W × 4¼" H × 13½" D; 17.5 lbs \$265

TX-27B. Same as above in black \$265

TX-17 25-Watt Receiver

Quartz synthesized tuner amp. Features 12-station memory; direct passive tone controls; loudness control; battery-free memory backup; manual or auto tuning; A & B speaker switching; all-metal chassis and cabinet. Inputs for MM phono, tape, CD player. Amp section: 25 continuous average W/ch from 20-20,000 Hz with no more than 0.3% THD into 8 ohms. FM section: alternate-ch sel 55 dB; adjacent-ch sel 50 dB; 50-dB quieting sens mono 45 µV (18.2 dBf), stereo 45 µV (38.2 dBf); max S/N, A-wtd, mono 70 dB, stereo 65 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 30 µV. 17¼" W × 3¾" H × 12½" D; 13 lbs \$200

TX-17B. Same as above in black \$200

PARASOUND**DR65 AM/FM Receiver**

Features quartz synthesizer tuning; full-function wireless remote control; electronic input switching and volume control; 6 AM/FM memory presets; T-10 discrete output transistors; discrete phono preamp; separate phono output selector; subsonic filter; preamp output jacks; auto/annual tuning; variable loudness control; 5 LED tuning meters. Inputs for MM phono, tape, 2, CD, video sound source. Amp Section: 65 continuous W/ch from 20-20,000 Hz with less than 0.04% THD into 8 ohms; dynamic headroom 2 dB; IHF IMD 0.015%; FR 20-40,000 Hz ±1 dB. FM Section: alternate-ch sel 68 dB; adjacent-ch sel 8.5 dB; 50-dB quieting sens mono 15.3 dBf, stereo 39.2 dBf; max S/N, A-wtd mono 80 dB, stereo 77 dB; THD mono 0.1%, stereo 0.2%; sep 44 dB at 1,000 Hz; capture ratio 1.6 dB. AM Section: FR 30-3500 Hz; sens 175 µV. 17¼" W × 3¾" H × 11½" D; 23 lbs \$450

DR40 AM/FM Receiver

AM/FM receiver with quartz-synthesized tuning. Features variable loudness contour, infrasonic filter, discrete output transistors, 5 presets, detented controls, relay protection with 2-color LEDs, 5-LED signal-strength meter, separate preamp output jacks. Inputs for MM phono, tape, CD, video sound source. Amp section: 40 continuous average W/ch from 20-20,000 Hz with no more than 0.04% THD into 8 ohms; dynamic headroom 2 dB; IHF IMD 0.03%; FR 20-40,000 Hz ±1 dB. FM section: alternate-ch sel 68 dB; adjacent-ch sel 8.5 dB; 50-dB quieting sens, mono 15.3 dBf, stereo 38.1 dBf; max S/N, A-wtd, mono 80 dB, stereo

77 dB; THD, mono 0.1%, stereo 0.2%; sep 44 dB at 1,000 Hz; capture ratio 1.6 dB. AM section: FR 30-3,500 Hz; sens 175 μ V; 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{4}$ " H \times 11" D; 19 lbs \$300

DR25 AM/FM Receiver

AM/FM receiver with digital frequency readout. Inputs for MM phono, tape, CD, video sound source. Amp section: 25 continuous average W/ch 20-20,000 Hz with no more than 0.04% THD into 8 ohms; dynamic headroom 2 dB; IHF IMD 0.03%; FR 20-40,000 Hz \pm 1 dB. FM section: alternate-ch sel 66 dB; adjacent-ch sel 8 dB; 50-dB quieting sens, mono 15.8 dBf, stereo 39.2 dBf; max S/N, A-wtd, mono 80 dB, stereo 77 dB; THD, mono 0.15%, stereo 0.25%; sep 42 dB at 1,000 Hz; capture ratio 1.6 dB. AM section: FR 30-3,500 Hz; sens 175 μ V; 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{4}$ " H \times 11" D; 16 lbs \$200

PIONEER ELECTRONICS

SX-V900 AM/FM Receiver

AM/FM-stereo receiver with audio/video inputs. Features quartz-synthesized tuning; DDD; 10 AM/FM presets; computer control with memory; DNR (dynamic noise reduction). Inputs for 2 VCRs; video disc player. Amp section: 12 continuous average W/ch from 20-20,000 Hz with less than 0.005% THD into 8 ohms; IHF IMD 0.005%; FR 20-20,000 Hz \pm 0.3 dB. FM section: alternate-ch sel 85 dB; 50-dB quieting sens mono 1.8 μ V (16.2 dBf), stereo 21 μ V (37.7 dBf); max S/N, A-wtd, mono 88 dB, stereo 82 dB; THD mono 0.02%, stereo 0.04%; sep 60 dB at 1,000 Hz. AM section: sens 10 μ V. 5 $\frac{1}{16}$ " W \times 16 $\frac{1}{16}$ " H \times 17 $\frac{1}{16}$ " D; 33 lbs, 1 oz \$770

SX-V500 AM/FM Receiver

Audio/video quartz-synthesizer nonswitching receiver. Features A/V recording selection system; video ready; DNR (dynamic noise reduction). Inputs for 2 video VCRs, video disc player. Amp section: 80 continuous average W/ch from 20-20,000 Hz with



no more than 0.005% THD into 8 ohms; IHF IMD 0.005%; FR 20-20,000 Hz \pm 0.3 dB. FM section: alternate-ch sel 65 dB; 50-dB quieting sens mono 1.6 μ V (15.7 dBf), stereo 19.5 μ V (37 dBf); max S/N, A-wtd, mono 80 dB, stereo 75 dB; THD mono 0.1%, stereo 0.15%; sep 50 dB at 1,000 Hz. AM section: sens 10 μ V. 4 $\frac{3}{8}$ " W \times 16 $\frac{1}{16}$ " H \times 11 $\frac{1}{16}$ " D; 18 lbs, 5 oz \$460

SX-V400 AM/FM Receiver

Audio/video quartz-PLL synthesizer nonswitching receiver. Features noise filter and video ready. Amp section: 60 continuous average W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; IHF IMD 0.005%; FR 20-20,000 Hz \pm 0.3 dB. FM section: alternate-ch sel 65 dB; 50-dB quieting sens mono 1.6 μ V (15.7 dBf), stereo 19.5 μ V (37 dBf); max S/N, A-wtd, mono 80 dB, stereo 75 dB; THD mono 0.1%, stereo 0.15%; sep 50 dB at 1,000 Hz. AM section: sens 10 μ V. 16 $\frac{1}{16}$ " W \times 4 $\frac{3}{8}$ " H \times 11 $\frac{1}{16}$ " D \$330

SX-V300(BK) AM/FM Receiver

Audio/video quartz-PLL synthesizer receiver with 2 video inputs; 8 AM/FM presets; simulated stereo; noise filter. Amp section: 45 continuous average W/ch from 20-20,000 Hz with no more than 0.08% THD into 8 ohms; IHF IMD 0.08%; FR 20-20,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 65 dB; 50-dB quieting sens mono 1.6 μ V (15.7 dBf), stereo 19.5 μ V (37 dBf); max S/N, A-wtd, mono 80 dB, stereo 75 dB; THD mono 0.4%, stereo 0.4%; sep 40 dB at 1,000 Hz. AM section: sens 10 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{7}{8}$ " H \times 8 $\frac{1}{4}$ " D; 11 lbs, 7 oz \$250

SX-V200(BK) AM/FM Receiver

AM/FM-stereo receiver with 2 video inputs; Quartz-PLL synthesizer tuning; 8 AM/FM presets; simulated stereo. Amp section: 30 continuous average W/ch from 20-20,000 Hz with no more than 0.3% THD into 8 ohms; IHF IMD 0.3%; FR 20-20,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 65 dB; 50-dB quieting sens mono 1.6 μ V (15.7 dBf), stereo 19.5 μ V (37 dBf); max S/N, A-wtd, mono 80 dB, stereo 75 dB; THD mono 0.4%, stereo 0.4%; sep 40 dB at 1,000 Hz. AM section: sens 10 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{4}$ " H \times 8 $\frac{1}{8}$ " D; 11 lbs, 7 oz \$210

SX-313(BK) AM/FM Receiver

AM/FM-stereo receiver with FET FM front end; PL stereo demodulator; speaker A/B switches; bass, treble, and loudness controls. Amp section: 45 continuous average W/ch from 20-20,000 Hz with no more than 0.3% THD into 8 ohms; IHF IMD 0.3%; FR 30-20,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 50 dB; 50-dB quieting sens mono 1.6 μ V (15.3 dBf), stereo 21 μ V (37.6 dBf); max S/N, A-wtd, mono 75 dB, stereo 70 dB; THD mono 0.3%, stereo 0.6%; sep 0.3 dB at 1,000 Hz. AM section: sens 10 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{8}$ " H \times 8 $\frac{1}{16}$ " D; 11 lbs \$175

SX-212 AM/FM Receiver

AM/FM-stereo receiver with FET FM front end; A/B switches; separate bass, treble, and loudness controls; PLL stereo demodulator. Amp section: 25 continuous average W/ch from 20-20,000 Hz with no more than 0.3% THD into 8 ohms; IHF IMD 0.3%; FR 30-20,000 Hz \pm 0.5 dB. FM section: alternate-ch sel 50 dB; 50-dB quieting sens mono 1.6 μ V (15.3 dBf), stereo 21 μ V (37.6 dBf); max S/N, A-wtd, mono 75 dB, stereo 70 dB; THD mono 0.3%, stereo 0.6%; sep 35 dB at 1,000 Hz. AM section: sens 10 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{8}$ " H \times 8 $\frac{1}{16}$ " D; 9 lbs, 8 oz \$126

PROTON

D940 Receiver

AM/FM receiver with Dynamic Power on Demand (DPD) circuitry and Schotz NR. Features high dynamic power capabilities (rating 8/4/2 ohms to 160/280/380 W/ch); 4-gang FM front end; 2-gang AM front end; selectable phono section for MM and MC phono; speaker EQ; separate low noise MC amp; active volume control; built-in infrasonic filter. Inputs for MM, MC phono; phono 2; tape; aux; extra aux; CD;



video sound source. AMP Section: 40 continuous average W/ch from 20-20,000 Hz with less than 0.02% THD into 8 ohms; dynamic headroom 6 dB; IHF IMD 0.008%; FR 20-20,000 Hz \pm 0.2 dB. FM Section: Alternate-ch sel 55 dB; adjacent-ch sel 90 dB; 50-dB quieting sens., mono 15.3 dBf, stereo, 33.2 dBf; max S/N A-wtd, mono 75 dB, stereo 70 dB; THD mono 0.05%, stereo 0.2%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. AM Section: sens 300 mV. 16 $\frac{1}{2}$ " W \times 4" H \times 10 $\frac{1}{2}$ " D; 20 lbs \$450

930 Receiver

Digitally synthesized stereo receiver. Features Schotz PLL detector. Inputs for MM phono, tape, aux, video sound source. 30 continuous average W/ch from 20-20,000 Hz with < 0.02% THD into 8 ohms; dynamic headroom 3 dB; IHF IMD 0.015%; FR 17-35,000 Hz \pm 1 dB. FM section: 50-dB quieting sens, stereo, 2.8 V; max S/N, A-wtd, stereo 70 dB; THD stereo 0.2%; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 V/m. 20 lbs; 16 $\frac{1}{2}$ " W \times 3 $\frac{1}{4}$ " H \times 9 $\frac{1}{4}$ " D \$360

QUASAR

CJ8494 AM/FM Receiver

Audio/video receiver with remote control. Features

AM/FM/139 channel CATV tuners; 3 video inputs (VCR, video disc; VCR 2); Dual RF antenna jacks; simulcast reception capability; MTS decoder jack; switched AC outlet controls monitor; unified remote control operates Quasar VCR's. Inputs for MM phono, tape, CD player, video sound source. Amp section: 45 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; dynamic headroom 1.2 dB; FR 5-70,000 Hz -3 dB. FM section: alternate-ch sel 65 dB; adjacent-ch sel 65 dB; 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 45 μ V (38.3 dBf); max S/N, A-wtd, mono 77 dB, stereo 71 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1 dB. AM section: sens 20 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 13 $\frac{1}{16}$ " D; 18.3 lbs \$700

RCA

MSR 150 Dimensia Receiver

AM/FM-stereo receiver. Features remote control which can control up to 13 audio/video devices. Inputs for tape, aux, CD player, audio/video sound source. Amp section: 50 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IHF IMD 0.08%; FR 20-20,000 Hz \pm 0.8 dB. FM section: alternate-ch sel 45 dB; 50-dB quieting sens mono 21 dBf, stereo 38 dBf; max S/N, A-wtd, mono 75 dB, stereo 69 dB; THD mono 0.13%, stereo 0.15%; sep 40 dB at 1,000 Hz; capture ratio 1 dB. AM section: sens 25 μ V. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{2}$ " H \times 13 $\frac{1}{8}$ " D; 16.5 lbs \$350

MSR-140 Digital Command Receiver

AM/FM-stereo receiver. Features remote control which can control up to 12 audio/video devices. Inputs for audio/video sound source. Amp section: 50 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IHF IMD 0.08%; FR 20-20,000 Hz \pm 0.8 dB. FM section: alternate-ch sel 45 dB; 50-dB quieting sens mono (21 dBf), stereo (38 dBf); max S/N, A-wtd, mono 75 dB, stereo 69 dB; THD mono 0.13%, stereo 0.15%; sep 40 dB at 1,000 Hz; capture ratio 1 dB. AM section: sens 25 μ V. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{2}$ " H \times 13 $\frac{1}{8}$ " D; 16.5 lbs; approx \$349

REALISTIC

STA 2500 100-Watt Stereo Receiver

Digitally synthesized AM/FM stereo receiver with 12 presets. 100 W/ch into 8 ohms from 20-20,000 Hz; THD 0.2%; MM S/N 84 dB; MM overload 160 mV \$500

STA-2270 65-Watt Receiver

AM/FM-stereo receiver with stereo expander. Features search mode; digital display; 12 station memory; feather-touch control tuning; FM muting; 11-step bass, treble, and midrange controls; LED stereo expander/FM Stereo/memory indicators \$400

STA-870 65-Watt AM/FM Receiver

AM/FM-stereo receiver with IMX stereo expander designed to enlarge sound images. Inputs for tape and phono. Features 11-part LED power output meter; 5-part signal-strength meter; noise-cancelling circuit; loudness; headphone jack. Metal case. 65 W/ch min RMS into 8 ohms from 20-20,000 Hz, with no > 0.08% THD; S/N 78 dB; 4 $\frac{1}{8}$ " \times 18 $\frac{1}{2}$ " \times 10 $\frac{1}{4}$ " \$360

STA-780 45-Watt Receiver

AM/FM-stereo receiver with presets for 6 AM and 6 FM stations. Features digital frequency display; station search; LED function indicators; sliding tone controls. 45 W/ch min RMS into 8 ohms from 20-20,000 Hz with no > 0.08% THD; FR 15-25,000 Hz \pm 1 dB \$350

STA 114 Stereo Receiver

AM/FM stereo receiver with 12 presets. 30 W/ch into 8 ohms from 20-20,000 Hz; THD 0.2%; MM S/N 84 dB; MM overload 155 mV \$300

STA-115 24-Watt Stereo Receiver

Stereo receiver with FM stereo indicators and Auto

Magic* tuning. Features 11-step bass, treble and volume controls; high filter; stereo/mono switch; tape monitor; A/B speaker pairs; aux input; 30 Hz "Cut" button to cut distortion, conserve power; 5-level LED signal-strength meter. 24 W/ch min RMS into 8 ohms 20-20,000 Hz at 0.03% THD; S/N 85 dB phono, 88 dB aux; phono overload 120 mV; FM tuner sens IHF 1.9 μ V 10.8 dB; capture ratio 12 dB; S/N 74 dB; sel 60 dB; image rejection 65 dB; 4" H \times 16 $\frac{1}{2}$ " W \times 8 $\frac{3}{4}$ " D \$200

STA-204 16-Watt Stereo Receiver

Stereo receiver with Auto Magic* tuning and separate 11-step bass and treble controls, LED FM stereo indicator, high filter, tape monitor, stereo/mono, A/B speaker pairs. Features 10-segment LED AM/FM signal-strength meter; FM muting. 16 W/ch min RMS into 8 ohms 20-20,000 Hz at 0.08% THD; FR 15-25,000 Hz \pm 1 dB; S/N 89 dB phono, 72 dB aux; phono overload 90 mV; FM tuner sens IHF; 2.8 μ V 14.1 dB; capture ratio 3.0 dB; S/N 65 dB; sel 45 dB; image rejection 50 dB; 5 $\frac{1}{16}$ " H \times 5 $\frac{3}{4}$ " W \times 12" D \$200

STA-450 14-Watt Stereo Receiver

Receiver with Auto Magic* fine tuning, A/B speaker switching, separate bass, treble and balance controls, LED FM-stereo indicator, stereo/mono switch. Features brushed aluminum front panel; 5-LED signal-strength meter; tape monitor; edge-lit power-on button. 14 W/ch min RMS into 8 ohms 20-20,000 Hz at 0.3% THD; FR 15-25,000 Hz \pm 1 dB; S/N 81 dB phono, 85 dB aux; phono overload 120 mV; FM tuner sens IHF 2.7 μ V 13.7 dB; capture ratio 2.0 dB; S/N 78 dB; sel 60 dB; image rejection 50 dB; 5 $\frac{1}{16}$ " H \times 16 $\frac{1}{8}$ " W \times 7 $\frac{1}{8}$ " D \$160

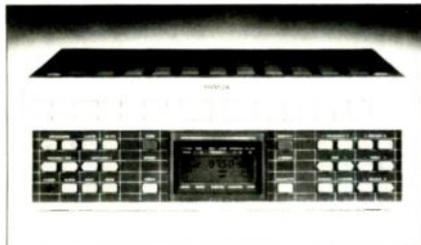
STA-19 Personal-Size Receiver

AM/FM-stereo receiver with 5 w/ch min RMS into 8 ohms from 40-20,000 Hz with >0.9% THD. Inputs for FM, AM, phono, tape. Features Auto-Magic fine tuning; jack for mini headphones; jack for mini cassette players; special EQ switch; loudness control. Walnut vinyl over metal case. FR 40-20,000 Hz \pm 1 dB; S/N 70 dB phono, 72 dB aux; IHF sens 22.3 dB; sep at 1,000 Hz 35 dB. 2 $\frac{1}{8}$ " \times 10 $\frac{1}{8}$ " \times 6 $\frac{1}{4}$ ". \$120

REVOX

B285 AM/FM Receiver

AM/FM-stereo receiver with two microprocessors for control of input sensitivities, output levels, operating functions. Features alphanumeric multi-mode LC display; 29 AM or FM presets; level and reception mode (mono/stereo, blend) separately programmable for



each preset station; programmable volume limit; -20 dB button; subsonic filter; loudness contour; programmable output levels for A and B speaker pairs; comprehensive speaker protection circuits; serial data bus for external control devices; wireless infrared remote control (transmitter optional). Inputs for tape, CD player, tape 2. Amp section: 70 continuous average W/ch 20-20,000 Hz with no more than 0.03% THD into 8 ohms; dynamic headroom 2.5 dB; FR 20-20,000 Hz \pm 0.3 dB. FM section: alternate-ch sel 96 dB; adjacent-ch sel 16 dB; 50-dB quieting sens, mono 1.6 μ V (15.2 dBf), stereo 19 μ V (36.8 dBf); max S/N, A-wtd, mono 84 dB, stereo 80 dB; THD mono 0.15%, stereo 0.3%; sep 43 dB at 1,000 Hz; capture ratio 2 dB. AM section: FR 120-3,000 Hz \pm 6 dB; sens 36 μ V. 17 $\frac{1}{4}$ " W \times 6" H \times 13 $\frac{1}{4}$ " D; 33 lbs. \$1,600

B286 Tuner Amplifier. Similar to B285 but without power amp stage \$1,400

ROTEL

RX850 AM/FM Receiver

AM/FM-stereo receiver with quartz synthesizer tuning and 8 AM/8 FM station presets. Inputs for phono, tape, CD player, video sound source. Amp section: 30 continuous average W/ch 20-20,000 Hz into 8 ohms with no more than 0.05% THD; IHF IMD 0.05%; FR (phono) 20-15,000 Hz \pm 0.3 dB; FR (tape, CD, video) 10-45,000 Hz \pm 0.5, -3 dB. FM section: alternate-ch sel 60 dB; 50-dB quieting sens, mono 4 μ V (17.2 dBf), stereo 60 μ V (40.7 dBf); S/N, mono 82 dB, stereo 77 dB; THD, mono 0.15%, stereo 0.4%; sep 43 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 250 μ V/m. 17" W \times 3 $\frac{3}{8}$ " H \times 15" D; 15.1 lbs. \$299

RX830 AM/FM Receiver

AM/FM-stereo receiver with LED dial pointer. Inputs for phono, tape, CD player, video sound source. Amp section: 20 continuous average W/ch from 20-20,000 Hz THD into 8 ohms with no more than 0.08%; IHF IMD 0.08%; FR (phono) 20-15,000 Hz \pm 0.3 dB, FR (tape, CD, video) 10-38,000 Hz \pm 1, -3 dB. FM section: alternate-ch sel 65 dB; 50-dB quieting sens, mono 4 μ V (17.2 dBf), stereo 60 μ V (40.7 dBf); S/N, mono 70 dB, stereo 65 dB; THD, mono 0.3%, stereo 0.5%; sep 38 dB at 1,000 Hz; capture ratio 2.0 dB. AM section: sens 300 μ V/m. 17" W \times 3 $\frac{3}{8}$ " H \times 13" D; 12.7 lbs. \$199

SAE

R-102 Stereo Receiver

AM/FM stereo receiver utilizes an on-board computer to eliminate dependency between front-panel layout and audio circuits. 50 W/ch at 0.025%. All controls



grouped by function. Features alphanumeric and digital readouts for input functions, tone, volume, balance settings, station frequency and tuner memories; 3 digital tone memories; tuner memory scan; phono power amp; high-current main power amp. \$499

SAMSUNG

SS 3320 AM/FM Analog-Tuned Receiver

Controls for bass (\pm 10 dB at 100 Hz), treble (\pm 10 dB 10,000 Hz), volume, tuning, loudness, mode, mute, tape monitor. Inputs for phono and video or CD. 4 red LEDs for function, 3 red for signal strength, 1 green for tuning, 1 red for stereo. Antenna terminals for 300-ohm FM, 75-ohm FM, AM, ground. Push output terminals for speakers plus headphone jack. 22 W/ch min RMS into 8 ohms from 20-20,000 Hz with no >0.1% THD; S/N phono 70 dB, aux 85 dB; FM usable sens 2.5 μ V at 90 MHz. 16 $\frac{1}{16}$ " W \times 4 $\frac{1}{4}$ " H \times 10 $\frac{1}{4}$ " D \$120

SANSUI

S-X1130 AM/FM Stereo Receiver

AM/FM receiver with video sound and picture-processing circuits. Features X-balanced amp technology; 16-station presets with preset scan; selectable FM IF wide/narrow bandwidth. Inputs for MM phono, MC phono, tape 2, aux, video sound source. Amp section: 130 continuous average W/ch 20-20,000 Hz with no more than 0.005% THD into 8 ohms; FR 5-200,000 Hz \pm 0, -3 dB. FM section: 50-dB quieting sens, mono 1.8 V (10.3 dBf); 21 $\frac{1}{2}$ " W \times 10" H \times 19 $\frac{1}{2}$ " D; black finish; 40 lbs. \$950

X1100. Similar to S-X1130 with fewer video-processing circuits. \$800

S-XV1000 Audio/Video Receiver

Audio/Video receiver with video signal processing controls; connections for 3 VCRs; remote control; 16 random station presets; subharmonic synthesizer for

bass enhancement; fader control; color balance. Inputs MM phono, phono 2, tape, aux, CD, video sound



source. Amp section: 80 continuous average W/ch 20-20,000 Hz with less than 0.01% THD into 8 ohms; FR 10-100,000 Hz \pm 3/-3 dB. FM section: max S/N ratio, A-weighted, mono 76 dB. 16 $\frac{1}{16}$ " W \times 5 $\frac{1}{4}$ " H \times 16 $\frac{1}{16}$ " D; 20.3 lbs. \$599

S-X1070 AM/FM Receiver

AM stereo/FM stereo receiver with input for personal stereo. Features 12-station presets with preset scan; auto station search; 5-band equalizer; LED power display. Inputs for MM phono, tape, tape 2, video sound source. Automatically receives all AM stereo broadcasts. Amp section: 55 continuous average W/ch 20-20,000 Hz with no more than 0.02% THD into 8 ohms; FR 5-200,000 Hz \pm 0, -3 dB. 21" W \times 8 $\frac{1}{2}$ " H \times 15 $\frac{1}{4}$ " D \$400

S-X1050. Similar to S-X1070 without AM stereo feature; 35 W/ch; silver. \$300

S-X1030. Similar to S-X1050 except 25 W/ch \$250

SCOTT

388RS Digital Computerized Receiver

AM/FM-stereo receiver with quartz PLL synthesizer tuner. Features 14 presets; digital information display center signal strength; center tuning indicators; dual fluorescent peak hold power meters; auto/manual tuning; illuminated 5-band graphic EQ with tone defeat; subsonic and high filters; FM muting. Inputs for phono, tape, CD player, video sound source. Amp section: 85 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; IHF IMD 0.03%; FR 20-20,000 Hz \pm 0.5 dB. FM section: alternate-ch sens 70 dB; 50-dB quieting sens mono 9.8 dBf; max S/N, A-wtd, mono 80 dB, stereo 75 dB; sep 50 dB at 1,000 Hz; capture ratio 1 dB. 17" W \times 4 $\frac{1}{2}$ " H \times 12 $\frac{1}{2}$ " D \$550

366RS Digital Computerized Receiver. Same as 388RS except 65 continuous W/ch and DC power amplifier. \$450

355RS Digital Computerized Receiver. Same as 388RS except 45 continuous W/ch; LED power meters; tape monitor; loudness contour; DC power amplifier; electronic protection; subsonic filter only; 2-speaker switching; 5-band graphic EQ without tone defeat \$350

SHARP

SA-X35 AM/FM Receiver

AM/FM-stereo receiver with quartz digital synthesized tuner and 5-band graphic equalizer. Features auto scan tuning; loudness switch; A, B, A+B speaker selector; 6 AM/6 FM presets. Inputs for MM phono, tape, CD player. Amp section: 35 continuous average W/ch 20-20,000 Hz with no more than 0.5% THD into 8 ohms; IHF IMD 0.15%; FR 15-35,000 Hz \pm 3 dB. FM section: adjacent-ch sel 56 dB; max S/N, A-wtd, mono 73 dB, stereo 68 dB; THD mono 0.15%, stereo 0.3%; sep 32 dB at 1,000 Hz; AM section: sens 400 μ V. Black or silver. 17" W \times 3 $\frac{1}{16}$ " H \times 10 $\frac{1}{2}$ " D; 10 lbs. \$200

SA-X25 AM/FM Receiver

AM/FM-stereo receiver with loudness control and fly-wheel tuning. Features bass and treble controls; A, B, A+B speaker selector. Inputs for MM phono, tape. Amp section: 25 continuous average W/ch 20-20,000 Hz with no more than 0.9% THD into 8 ohms; IHF IMD 0.2%; FR 40-30,000 Hz \pm 3 dB. FM section: adjacent-ch sel 70 dB; max S/N, A-wtd, mono 73 dB, stereo 68 dB; THD mono 0.4%, stereo 0.6%; sep 32 dB at 1,000 Hz. AM section: sens 400 μ V. Black or silver. 17" W \times 3 $\frac{1}{16}$ " H \times 10 $\frac{1}{2}$ " D; 9.3 lbs. \$120

SHERWOOD

S-2680 CP AM/FM Digital Receiver

Digitally synthesized receiver with 8 AM and 8 FM presets. Power output 70 W/ch min RMS 20-20,000 Hz with <0.05% THD at 8 ohms; IMD 0.05% at 70 W SMPTE; S/N phono (15 mV input) 92 dB, aux 100 dB; FR with built-in LPF 5-40,000 Hz; input sens for rated output 2.5 mV phono, 150 mV aux; usable sens 1.7 μ V (9.8 dBf); sens mono 2.8 μ V (14.1 dBf), stereo 38 μ V (36.5 dBf); S/N mono 80 dB, stereo 75 dB; capture ratio 1.2 dB; FM FR 20-15,000 Hz \pm 1 dB; 17 $\frac{1}{4}$ " H \times 4 $\frac{1}{4}$ " W \times 13 $\frac{3}{4}$ " D \$480

S-2660 CP AM/FM Digital Receiver

Digitally synthesized receiver with 8 AM and 8 FM presets. Power output 50 W/ch min RMS from 20-20,000 Hz with <0.05% THD at 8 ohms; IMD 0.05% at 50 W SMPTE; S/N (5 mV input) 92 dB phono; 100 dB aux; aux FR with built-in LPF 5-40,000 Hz. FM section: usable sens 1.8 μ V (10.3 dBf); 50 dB quieting sens mono 3.2 μ V (15.3 dBf), stereo 38 μ V (36.5 dBf) S/N stereo 75 dB; capture ratio 1.2 dB; FR at 20-15,000 Hz \pm 1 dB; 17 $\frac{1}{4}$ " W \times 4 $\frac{1}{4}$ " H \times 13 $\frac{3}{4}$ " D \$380

S-2640 CP AM/FM Digital Receiver

Digitally synthesized receiver with 6 AM and 6 FM presets. Power output 45 W/ch min RMS from 40-20,000 Hz with 0.5% THD into 8 ohms; IMD at 35 W SMPTE 0.05%; S/N phono (5 mV input) 88 dB, aux 100 dB; aux FR with built-in LPF 5-40,000 Hz. FM section: usable sens 1.9 μ V (10.8 dBf); 50 dB quieting sens; mono 3.5 μ V (15.8 dBf) stereo 50 μ V (39.2 dBf); S/N stereo 72 dB; capture ratio 1.5 dB; FR at 20-15,000 Hz \pm 1 dB; 17 $\frac{1}{4}$ " W \times 3 $\frac{1}{4}$ " H \times 11 $\frac{1}{16}$ " D \$280

S-2620 CP AM/FM Stereo-Synthesized Receiver

Digital-synthesized receiver with 10 presets; power output 20 W/ch min RMS from 40-20,000 Hz with 0.5% THD into 8 ohms; IMD at 20 W SMPTE 0.05%; S/N phono (5 mV input) 88 dB; aux FR with built-in LPF 5-40,000 Hz; usable sens 1.9 μ V (10.8 dBf); S/N stereo 72 dB; capture ratio 1.5 dB; FR 30-50,000 Hz \pm 1 dB; 17 $\frac{1}{4}$ " W \times 3 $\frac{1}{4}$ " H \times 11 $\frac{1}{16}$ " D \$180

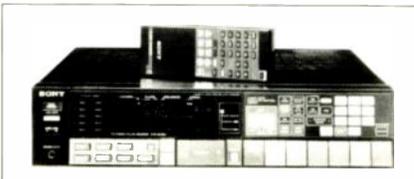
S-2610CP AM/FM Receiver

AM/FM stereo receiver with back-lit slide-rule tuning dial. Features loudness, switching for 2 pairs of speakers; separate tape monitor and aux input; MDSFET PLL tuner with mute button. Inputs for MM phono, tape, aux. Amp section: 20 continuous average W/ch 20-20,000 Hz with no more than 0.08% THD into 8 ohms; FR 20-20,000 Hz. FM section: alternate-ch sel 65 dB; 50-dB quieting sens, mono 3.0 μ V, stereo 40 μ V; max S/N, A-wtd, mono 80 dB, stereo 75 dB; THD, mono 0.15%, stereo 0.15%; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 μ V \$150

SONY

STR-AV760 Stereo Receiver

Stereo receiver with audio/video computer control center and Audio Signal Processor for feather-touch control of volume in 1-dB steps and bass and treble in 2-dB steps. Features direct-access/quartz synthesis tuning; auto sweep tuning and 10-station preset scanning with auto tuning level; station card insert marks preset stations; fluorescent display; speaker switches for A/B/A&B/off and 4/8 ohm; switchable 20 dB audio muting; Direct Comparator for quiet FM reception;



legato linear amp for cleaner switching and crossover; memory backup system; remote control optional. Amp section: 80 W/ch from 20-20,000 Hz into 8

ohms with 0.006% THD; IMD 0.006%. S/Ns A-wtd phono 1 87 dB, phono 2 84 dB, tape/aux/video 1 and 2 105 dB. FRs: phono RIAA standard curve \pm 0.5 dB, tape/aux/video/video dub (1&2) 5 Hz-100 kHz \pm 0.5-.0.1 dB. Input sens phono 1/phono 2/tape and aux/video 1 and 2, 2.5 mV/0.25 mV/150 mV/150 mV. Tuner section: FM usable sens 11.2 dBf (2.0 μ V) mono; 50-dB quieting sens 38.3 dBf (45 μ V) stereo, 17.3 dBf (4.0 μ V) mono; S/N 82 dB mono, 76 dB stereo; FR 30-15,000 Hz \pm 0.5-1.5 dB; stereo sep 45 dB at 1 kHz. 17" W \times 4 $\frac{1}{4}$ " D \times 14 $\frac{1}{4}$ " H; 14 lbs, 6 oz \$500

STR-AU560. Similar to STR-VX760 except no phono 2 input. Amp section 50 W/ch from 20-20,000 Hz into 8 ohms with 0.008% THD; IMD 0.008%; S/Ns A-wtd phono 81 dB, tape/aux/video 1&2/video dub (1&2) 100 dB; 17" W \times 4" D \times 14 $\frac{1}{4}$ " H; 17 lbs, 11 oz \$400

STR-AU460. Similar to STR-AU560 without Audio Signal Processor, auto level or remote option. Amp section: 40 W/ch; S/Ns A-wtd) phono 1 77 dB, tape/aux/video 1 and 2 100 dB; FRs: tape/aux/video/video dub (1&2) 10-70,000 Hz -1 dB; S/N 80 dB mono, 75 dB stereo; overall FR 30-15,000 Hz \pm 0.5/-2 dB; 17" W \times 4 $\frac{1}{4}$ " D \times 12 $\frac{1}{2}$ " H; 13 lbs 11 oz \$300

STR-AU360. Similar to STR-AU460 without VCR audio dubbing. Amp section: 30 W/ch from 20-20,000 Hz into 8 ohms with 0.03% THD; IMD 0.03%; S/N ratios (A-weighted) phono 74 dB, tape/aux/video 1 and 2 96 dB; S/N ratios 80 dB mono, 75 dB stereo; 17" W \times 4 $\frac{1}{4}$ " D \times 12 $\frac{1}{2}$ " H; 12 lbs, 13 oz \$240

STR-AU260. Similar to STR-AU360 with 8-station presets and no audio/video control center, memory scan, or Direct Comparator. Amp section: 20 W/ch from 20-20,000 Hz into 8 ohms with 0.08% THD; IMD 0.08%; S/N ratios (A-weighted) phono 72 dB, tape/aux 94 dB; frequency responses; phono RIAA standard curve \pm 5 dB, tape/aux 10-50,000 Hz -3 dB, phono/tape and aux, 2.5 mV/150 mV. Tuner section: S/N 75 dB mono, 70 dB stereo; 17" W \times 4 $\frac{1}{4}$ " D \times 12 $\frac{1}{2}$ " H; 12 lbs, 5 oz \$180

TECHNICS

SA-560 AM/FM Receiver

Quartz synthesizer TV/FM/AM stereo receiver. Inputs for MM phono, tape \times 3, aux/CD, video sound source. Amp section: 70 continuous average W/ch from 20-20,000 Hz with no more than 0.007% THD into 8 ohms; FR 5-100,000 Hz -3 dB. FM section: 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 45 μ V (38.3 dBf); max S/N, A-wtd, mono 78 dB, stereo 72 dB; THD mono 0.08%, stereo 0.15%; sep 40 dB at 1,000 Hz; capture ratio 1.0 dB. AM section: sens 20 μ V. 16 $\frac{1}{16}$ " W \times 4 $\frac{1}{32}$ " H \times 11 $\frac{1}{32}$ " D; 17.4 lbs \$550

SA-460 AM/FM Receiver

AM/FM-stereo receiver. Inputs for MM phono, tape \times 2, aux/CD, video sound source. Amp section: 50 continuous average W/ch from 20-20,000 Hz with no



more than 0.007% THD into 8 ohms; FR 5-70,000 Hz -3 dB. FM section: 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 45 μ V (38.3 dBf); max S/N, A-wtd, mono 78 dB, stereo 72 dB; THD mono 0.08%, stereo 0.15%; sep 40 dB at 1,000 Hz; capture ratio 1.0 dB. AM section: Sens 20 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 11 $\frac{1}{32}$ " D; 14.5 lbs \$320

SA-360 AM/FM Receiver

Quartz synthesizer TV/FM/AM stereo receiver. Inputs for MM phono, tape \times 2, aux/CD, video sound source. Amp section: 40 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 5-70,000 Hz -3 dB. FM section: 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 45 μ V (38.3 dBf); max S/N, A-wtd, mono 78 dB, stereo 72 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at

1,000 Hz; capture ratio 1.0 dB. AM section: Sens 20 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 11 $\frac{1}{32}$ " D; 11.9 lbs \$220

SA-150 Receiver

Quartz synthesizer digital receiver. Features soft contact selectors for sources and station presets, 14-station preset memory. Inputs for MM phono, tape, aux, CD. Amp section: 25 continuous average W/ch from 40-20,000 Hz with <0.5% THD into 8 ohms; dynamic headroom 1.2 dB; IHF IMD 0.5%; FR 5-70,000 Hz \pm 0 -3 dB. FM section: Alternate-ch sel 65 dB; 50-dB quieting sens, mono 3.5 μ V (16.1 dBf); 50-dB quieting sens, stereo, 45 μ V (38.3 dBf); max S/N, A-wtd, mono 77 dB, stereo 71 dB; THD, mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1 dB. AM section: sens 20 μ V. 9.3 lbs; 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 9 $\frac{1}{16}$ " D \$180

SA-120 Receiver

FM/AM stereo receiver with electronic protection CD tuning. Inputs for MM phono, tape, aux, CD. Amplifier Section: 35 continuous average W/ch from 40-20,000 Hz with <0.5% THD into 8 ohms; dynamic headroom 1 dB; IHF IMD 0.5%; FR 5-70,000 Hz \pm 0 -3 dB. FM section: Alternate-ch sel 60 dB; 50-dB quieting sens mono μ V (16.1 dBf); 50-dB quieting sens stereo, μ V (38.3 dBf); max S/N, A-wtd, mono 76 dB, stereo 70 dB; THD, mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.0 dB. AM section: sens 20 μ V. 10.8 lbs; 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 9 $\frac{1}{16}$ " D \$160

SA-120 AM/FM Receiver

AM/FM-stereo receiver. Inputs for MM phono, tape, aux/CD player/video sound source. Amp section: 35 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms; FR 5-70,000 Hz -3 dB. FM section: 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 45 μ V (38.3 dBf); max S/N, A-wtd, mono 76 dB, stereo 70 dB; THD mono 0.15%, stereo 0.3%; sep 40 dB at 1,000 Hz; capture ratio 1.0 dB. AM section: sens 20 μ V. 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 9 $\frac{1}{16}$ " D; 10.8 lbs \$150

ULTRX

R 100 AM/FM Stereo Receiver

100-W receiver with digital synthesizer tuner, electronically controlled preamp, accommodates audio and video sound sources. Features dbx encoder and decoder; matrix stereo enhancer circuit (to convert TV and VCR signals to stereo-like sound); discrete output stage; low-noise, wide-dynamic-range circuit to accept MC and MM cartridges; switchable subsonic filter; DNR; stepped electronic attenuators and equalizers; fluorescent power display; auto scan; wireless remote control; 20-station storage; functional status display in graphic or digital format. 100 W/ch into 8 ohms 20-20,000 Hz <0.009% THD; 420 mm W \times 137 H \times 330 D \$550

R70 Receiver

AM/FM stereo receiver with phase-lock-loop digital tuner and a TV/VCR matrix stereo synthesizer circuit. Features remote control; 20 station presets; slide-type bass and treble control; 40-segment fluorescent power display; fluorescent volume and balance display; electronic speaker protection; multiple speaker selection; CD input; auto scan; subsonic filter; loudness switch; two-way tape dubbing; MC preamp. 70 W/ch into 8 ohms with <0.03% THD; 420 mm W \times 137 H \times 330 D \$450

R55 Receiver. Similar to R70 except 14-station presets; no electronic balance control; no fluorescent indicators for balance control. 55 W/ch with <0.03% THD; 420 mm W \times 127 H \times 270 D \$300

R35 Receiver. Similar to R55 except combined CD/aux input; no remote control; no electronic speaker protection circuit; no MC preamp. 35 W/ch; 420 mm W \times 127 H \times 270 D \$190

R25 Receiver. Similar to R35 except no PLL digital quartz synthesized tuner; no two-tape dubbing; no electronic volume control; no subsonic filter; no power

(Continued on page 105)

2 amplifiers

ACCUHASE by MADRIGAL

P-600 Stereo Power Amplifier

Power amp drives 7-parallel push-pull output stage with MOSFET pre-driver incorporating push-pull circuitry in all stages. Can fully drive a 2-ohm low-imp speaker system with guaranteed output of 700 W/ch. Features digital peak power display; bridge connection switch; 1-dB-per-step input level control. Rated output 300 W/ch into 8 ohms with both chs driven, distortion < 0.01%, 20-20,000 Hz; bridge connection, 1,000 W into 8 ohms, distortion < 0.01% 20-20,000 Hz; intermodulation distortion < 0.01%; damping factor 300 IHF 50 Hz; signal-to-noise ratio < 125 dB IHF-A; rated input 2 V; 18¹/₁₆" W x 9¹/₁₆" H x 18¹/₁₆" D \$3,950

M-100 Monophonic Power Amplifier

Mono power amp with MOSFET driver stage and digital peak-power display. Features heavy-duty octo-parallel push-pull output stage; cascode bootstrap, push-pull differential amp input section; DC servo-controlled direct-coupled input stage; series regulator-type regulated power supply; 1-dB stepping precision attenuator; low filter with selectable 10, 17, 30, or 50 Hz cutoff; phase-inverting switch; provision for ventilation fan. Guaranteed specs: continuous average power output from 20-20,000 Hz with no more than 0.01% THD 800 W into 4 ohms, 500 W into 8 ohms, 250 W into 16 ohms, all min RMS; THD 0.01% max at 4-16 ohms from 20-20,000 Hz at any power output from 1/4 W to rated power output; IMD < 0.003%; FR 20-20,000 ± 0 dB for rated output at max level control; voltage amplification 27.8 dB; input sens/imp 2.6 V/50,000 ohms; damping factor 300; S/N 130 dB A-wtd, below rated output; 480 mm W x 232 H x 476 D; 41.5 kg (91.4 lbs) net \$3,500

P-500 Power Amplifier

Sophisticated high power basic amp with power meters. Features bridge connection that allows 1,000 W mono into 4 ohms, 500 W/ch into 2 ohms, 250 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; FR 20-20,000 Hz +0, -0.2 dB; S/N 100 dB; intermodulation distortion 0.003%; 19" W x 8.6" H x 17.5" D; 73.7 lbs \$3,400

P-300L Power Amplifier

170 W power amp with power meters. Features bridge connection providing 500 W/ch into 8 ohms, 300 W/ch into 2 ohms, 170 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; FR 20-20,000 Hz +0, -0.2 dB; S/N 100 dB; IMD 0.003%; 17.5" W x 6.4" H x 14.7" D; 50.6 lbs \$2,150

P-266 Stereo Power Amplifier

Stereo power amp with MOSFETs as power amplification devices in triple push-pull arrangement and following 4 types of operations: 130 W/ch stereo into an 8 ohms, 30 W/ch (8 ohms) Class-A stereo, 400 W (8 ohms) monophonic and 110 W Class-A monophonic. Rated output normal 130 W/ch (into 8 ohms with both chs driven, distortion < 0.01% 20-20,000 Hz); bridge connection, normal, 400 W, Class-A: 110 W (into 8 ohms, distortion < 0.003%; damping factor 120 IHF 50 Hz; rated input 1.3 V. Features Normal/Class-A selector switch; bridge connection switch; peak hold switch; 1 dB step input level control; cascode push-pull predriver; metal-oxide semiconductor field-effect transistor final stage; 17¹/₁₆" W x 6¹/₁₆" H x 14¹/₁₆" D \$1,600

ACOUSTAT

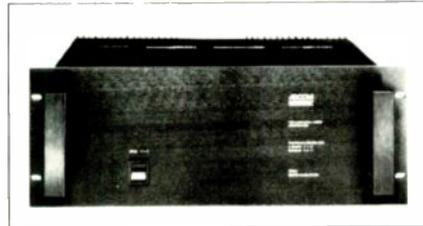
Trans-Nova Twin-200 Power Amplifier

Full FET amp designed to obtain >1,000 damping factor in audio band with no first-order distortion in output stage. Features Complement Feedback circuit to eliminate negative-feedback problems. Output power 200 W/ch into 8 ohms at 0.02% THD; full-power FR 15-500,000 Hz +0/-3 dB, slew rate 175 V/μsec; 42 lb \$1,195
120. Smaller version of TNT 200. 120 W/ch into 8 ohms at 0.02% THD; slew rate 160 V/s; 28 lbs \$745

ADCOM

GFA-555 Power Amplifier

High-current amp able to drive 1-ohm loads with no current limiting and low feedback. Bridgeable for



mono operation. 200 W/ch into 8 ohms; 350 W/ch into 4 ohms with < 0.09% THD and < 0.05% intermodulation distortion; constant damping factor > 100 20-20,000 Hz \$599

GFA-2 Power Amplifier

Stereo power amp with dual-FET input stage, direct-coupled design, separate power supplies for each ch. Features short-circuit and high-temperature protection; auto reset on all protection circuits with LED indicator; peak LEDs for output power indication; dual outputs (4/ch) to allow use of low-imp speakers. Output power 100 W/ch into 8 ohms, 20-20,000 Hz, 0.02% THD. Supplied with rack handles. 19" W x 13¹/₄" D x 5¹/₂" H \$375

AMBER

Series 70 Power Amplifier

High-current-output power amp can drive all types of speakers without protection circuits. Features built-in bridging. Output power 70 W/ch continuous, both channels driven into 8 ohms 20-20,000 Hz at 0.01% THD; 200 W mono into 8 ohms, 300 W mono into 4 ohms, gain 26 dB; IMD 0.02%; FR 1-60,000 Hz ± 3 dB; slew rate 25 V/μsec; S/N 100 dB; input imp 100,000 ohms; 17" W x 11" D x 5" H; 32 lbs \$599

Series 200. Similar to above but 200 W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; FR 1-100,000 Hz ± 3 dB; IMD 0.1%; gain 30.5 dB; less than 20 dB of feedback; input imp 75,000 ohms; 17" W x 5" H x 12" D; 42 lbs \$1,199

APT

A1 Power Amplifier

Power amp with imp-adjust indicator, signal indicators, overload indicators, output protection, overload protection. Features 100 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; FR 10-30,000 Hz ± 0.25 dB; S/N 110 dB; dynamic headroom 3 dB; slew factor > 10; IMD 0.006%; crosstalk between channels < 70 dB at

1,000 Hz; dynamic range > 103 dB; 16.9" W x 3.1" H x 10.2" D; 22 lbs \$680

AUDIONICS

CC-3 Mark II Power Amplifier

Basic power amp in rack-mount enclosure with peak-indicating power LEDs. Output power 100 W/ch into 8 ohms; (170 W/ch into 4 ohms), both chs driven 20-20,000 Hz; 1,000-W power toroidal transformer; THD and IMD < 0.1% at rated output, 8 ohms; mono bridged-output power 250 W into 8 ohms; slew rate 50 V/μsec stereo, 100 V/μsec mono; input sens/imp 1.0 V; 22.9 kohms noninverting; 19" W x 11" D x 3¹/₂" H \$795

AUDIO RESEARCH

D79C 75-Watt Tube Power Amplifier

High-Definition™ vacuum-tube stereo power amp with patented cross-coupled circuit. 75 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB; S/N 90 dB; slew rate 10 V/sec; IMD 0.5%; 19" W x 10.5" H x 17¹/₂" D; 120 lbs shipping weight \$6,000

D250 240-Watt Tube Power Amplifier

High-Definition™ vacuum-tube power amp with controlled turn-on, warm-up for maximum power-tube life. Features patented cross-coupled circuit. 240 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB; S/N 90 dB; slew rate 25 V/μsec; IMD 0.1%; 19" W x 10.5" H x 21" D; 155 lbs shipping weight \$5,995

D115 100-Watt Tube Power Amplifier

High-Definition™ vacuum-tube power amp with controlled turn-on, warm-up for maximum power-tube life. Features patented cross-coupled circuit; front-panel fusing for line and screen. 100 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms FR 20-20,000 Hz ± 1 dB; S/N 90 dB, slew rate 15 V/μsec; IMD 0.1%; input imp sens 1.1 V for rated output; input imp 75 kohms nominal; noise > 90 dB below rated power, broadband unweighted. 19" W x 7" H x 16.5" D; 80 lbs shipping weight \$2,995

M100 Mono Tube Power Amplifier

Basic tube monaural power amp with automatic servo DC balance, front panel bias adjustment and indication. 100 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 2-



60,000 Hz +0/-3 dB; S/N 90 dB; dynamic headroom: less than 1 dB; slew rate 15 V/sec; IMD 0.2% at 70"; input sens: 0.7V RMS for 100 W. 19" W x 7" H x 18.3" D; 53 lbs \$2,495

D70 Vacuum-Tube Power Amplifier

High-Definition™ vacuum-tube power amp with continuous turn-on, warm-up for maximum power-tube life.

Features patented cross-coupled circuit; front panel fusing for line and screen. 60 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB; S/N 90 dB; slew rate 12 V/ μ sec; IMD 0.1%; input sens 0.95 V for rated output; input imp 75 kohms nominal; noise 90 dB below rated power, broadband-unweighted; 19" W x 7" H x 14.5" D; 63 lbs shipping weight \$1,995

D120 120-Watt Power Amplifier

High-Definition* solid-state stereo power amp with Analog Module technology, unique linear output circuit. Stable under any load condition. Features internal bridging switch for mono operation; power supply fuse on front panel; fuse-failure LED indicator. Output power 120 W/ch into 8 ohms, 10-20,000 Hz at < 0.25% THD; FR 1.2-75,000 Hz ± 1 dB; power bandwidth 0.6-100,000 Hz -3 dB; input sens/imp 1.5 V rms/60k ohms; harmonic distortion < 0.004% at 1,000 Hz, 1 W; IMD < 0.035% at rated power; slew rate 40 V/ μ sec; rise time 2 μ sec; damping factor 300, 10-20,000 Hz; power consumption 1,000 W max; 19" W x 10 1/2" D x 5 1/4" H; 50 lbs shipping weight \$1,995

Wood Cabinets

Wood cabinets for Audio Research* components.

OC-4. Light oak \$125
WC-4. Walnut \$125

BEDINI ELECTRONICS

100/100 1 MEG Power Amplifier

One megaHertz amp; 100 continuous average W/ch from 20-20,000 Hz with no > 0.1% THD into 8 ohms; S/N 100 dB; dynamic headroom 3 dB; slew rate 1.5 V/ μ s; IMD 0.1%; 17" W x 7" H x 19" D; 90 lb \$3,800

250/250 MKII Power Amplifier

Class A power amp. 250 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; S/N 103 dB; dynamic headroom 3 dB; slew rate 40 V/sec; IMD 0.11%; 17" W x 8" H x 16 1/2" D; 43 lbs \$2,195

25/25 1 MEG Power Amplifier

One megaHertz amp; 25 continuous average W/ch from 20-20,000 Hz with no > 0.1% THD into 8 ohms; S/N 100 dB; dynamic headroom 3 dB; slew rate 1.5 V/ μ s; 16" W x 6" H x 12 1/2" D; 40 lbs \$2,000

200/200 DE Power Amplifier

Diode emitter amp; 220 continuous average W/ch from 20-20,000 Hz with no > 1% THD into 8 ohms; S/N 3 dB; slew rate 40 V/ μ s; IMD .11%; 16" W x 6" H x 12 1/2" D \$1,595

100/100 MKII Power Amplifier

Class A power amp. 109.5 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; dynamic headroom 3 dB; slew rate 40 V/sec; IMD 0.25%; 16" W x 6" H x 12 1/2" D; 38 lbs \$1,500

50/50 MKII Power Amplifier

Class A power amp. 70 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; dynamic headroom 6 dB; slew rate 35 V/sec; IMD 0.25%; 14" W x 4" H x 10" D; 25 lbs \$1,195

100/100 DE Power Amplifier

Diode emitter amp; 109.5 continuous average W/ch from 20-20,000 Hz with no > 0.1% THD into 8 ohms; S/N 103 dB; dynamic headroom 3 dB; slew rate 40 V/ μ s; IMD 0.25%; 16" W x 6" H x 12 1/2" D; 40 lb \$1,095

25/25 MKII Power Amplifier

Class A power amp. 28.5 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; S/N 103 dB; dynamic headroom 3 dB; IMD 0.25%; 14" W x 4" H x 10" D; 25 lbs \$1,000

50/50 DE Power Amplifier

Diode emitter amp. 70 continuous average W/ch from 20-20,000 Hz with no > 0.1% THD into 8 ohms; S/N 103 dB; dynamic headroom 6 dB; slew rate 35 V/ μ s; IMD 0.25%; 14" W x 4" H x 10" D; 27 lb \$895

25/25 DE Power Amplifier

Diode emitter amp. 28.5 continuous average W/ch from 20-20,000 with no > 0.1% THD into 8 ohms. S/N 103 dB; dynamic headroom 3 dB; IMD 0.25%; 14" W x 4" H x 10" D; 27 lb \$795

BERNING

EA-2100 Tube Power Amplifier

All-triode stereo vacuum-tube power amp with low coloration. Features unique high-frequency power-conversion system for fully regulated power supply; low power consumption; 10-20 year tube life. 100 continuous average W/ch from 20-20,000 Hz with no more than 2% total distortion into 8 ohms; FR 7-70,000 Hz ± 1.5 dB; S/N 100 dB; dynamic headroom 2 dB; slew rate 15 V/ μ sec; input imp 100,000 ohms; output imp 4, 8, 16 ohms; negative feedback 8 dB; sens 1 V for 170 W out; clipping level (soft clipping) 170 W; 19" W x 5 1/4" H x 19" D; 40 lbs \$2,695

EA-230. As above except 30 W/ch, conventional power supply, 30 lbs, 8" D \$895

B & K COMPONENTS LTD.

PRO-600 250-Watt Power Amplifier

High-powered amp with fan cooled driver stage. 250 continuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; FR 5-45,000 Hz ± 3 dB; S/N 93 dB; dynamic headroom 0.1 dB; slew rate 15 V/sec; IMD 0.09%; 400 W/ch into 4 ohms bridgeable to 800 W into 8 ohms. 19" W x 6" H x 13" D; 40 lbs \$1,195

EX-442 Dual-Mono Power Amplifier

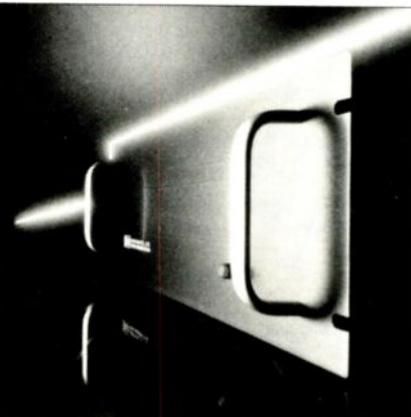
Dual-mono power amp with gold-plated input and output connectors. 200 continuous average W/ch; FR 5-45,000 Hz ± 3 dB; S/N 93 dB; dynamic headroom 0.5 dB; slew rate 15 V/sec; IMD 0.09%; 300 W into 4 ohms; 42 amp peak to peak current capability; 19" W x 6" H x 13" D; 35 lbs \$895

ST-202 105-Watt Power Amplifier

Power amp with gold-plated connectors for driving 8- and 4-ohm loads. 105 continuous average W/ch from 20-20,000 Hz with no more than 0.9% THD into 8 ohms; FR 5-45,000 Hz ± 3 dB; S/N 90 dB; dynamic headroom 1.5 dB; slew rate 11 V/sec; IMD 0.09%; 150 W into 4 ohms; 19" W x 6" H x 13" D; 25 lbs \$495

ST-140 Class A Power Amplifier

Power amp with Class A design up to output stage. 70 continuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; FR 5-45,000



Hz ± 3 dB; S/N 90 dB; dynamic headroom 2 dB; slew rate 11 V/sec; IMD 0.09%; 19" W x 6" H x 14" D; 25 lbs \$440

BROWN ELECTRONIC LABS

BEL 2002 Power Amplifier

Dual mono class A power amp with fault/status display and shut down. 100 continuous average W/ch from 20-20,000 Hz at 8 ohms, 100 W at 4 ohms; FR 3-200,000 Hz -3 dB; 19" W x 7.7" H x 14.7" D; 52 lbs \$2,895

BEL 1001 Power Amplifier

Dual-function power amp. Can either be a 200 continuous W mono class amp or a 50 continuous W stereo Class A amp. Features fault sense shut down. FR 5-200,000 Hz -3 dB; 19" W x 7.7" H x 13" (basic), 14.5" (rack mount) D; 30 lbs \$1,395/basic With rack mount \$1,549

BRYSTON

4B Power Amplifier

Fully complementary class-AB power amp with bridging switch, 1,500-sq-in. Features heat-sink area; regulated power supplies to all voltage gain stages; ch sep back to line cord; red LED clipping indicator. Output power 200 W/ch, 800 W bridged into 8 ohms, 20-20,000 Hz at 0.01% THD; IMD 0.01%. 10 mW-200 W; noise -100 dB; slew rate 60 V/ μ sec; power bandwidth 1-100,000 Hz; damping factor 500 at 20 Hz, 8 ohms; input sens/imp 1.25 V/50k ohms; 19" W x 13 1/2" D x 5 1/4" H \$1,500

3B. Similar to 4B except 100 W/ch, 400 W bridged; input sens/imp 1 V/50k ohms; has 500-sq-in. heat-sink area; 9" D \$975

2B. Similar to 3B except 50 W/ch, 200 W bridged; input sens/imp 0.75 V/50k ohms; has 250-sq-in. heat-sink area; 19" W x 10" D x 3 1/2" H \$550

CAMBRIDGE AUDIO

A75 Power Amplifier

Separate power amp with turn on switch only. FR 5-50,000 Hz -1 dB; S/N > 100 dB; THD 0.5%. 17 1/2" W x 2 1/2" H x 11" D; 21 lbs; side wood panels included \$449

CARVER

M-15t Power Amplifier

Basic Magnetic Field stereo power amp with LED dual peak-responding power displays, infrasonic and ultrasonic filters. Output power 350 W/ch into 8 ohms at no more than 0.5% THD; dynamic headroom/ch 600 W at 4 and 8 ohms; noise > -100 dB A-wtd; IMD 0.5%; bandwidth DC-250,000 Hz +0/-3 dB at 1 W; input imp 150 kohms; 19" W x 10 1/2" D x 3 1/2" H; 16 lbs \$799

M-500t Power Amplifier

Stereo power amp with super-efficient Magnetic Field circuitry in slim-line cabinet. Features peak-responding power meters; cool operation; no bulky power transformer, heat sinks, or electrolytic capacitors; anodized brushed aluminum in dark pewter finish. Output power 250 W/ch into 8 ohms, 20-20,000 Hz at 0.15%/0.15% THD/IM distortion; FR 1-250,000 Hz ± 0.25 dB; S/N 100 dB A-wtd; slew rate 40 V/ μ sec \$559

M400t Power Amplifier

Stereo power amp with Magnetic Field Circuitry that eliminates oversize heat sinks, power transformers, electrolytic capacitors. Features dual vertical LED peak-level display with VU-meter ballistics; dark pewter finish. Output power 200 W/ch into 8 ohms, 20-20,000 Hz at 0.5%/0.5% THD/IMD; FR 1-250,000 Hz ± 0.25 dB; S/N 100 dB A-wtd; slew rate 40 V/ μ sec; 6 3/4" W x 6 3/4" H x 6 3/4" D \$449

M200t Power Amplifier

Magnetic Field power amp produces 120 W/ch (min continuous power into 8 ohms, 20-20,000 Hz with < 0.05% THD). Dark pewter finish; LEDs indicate power and use of speaker-protection circuitry. Noise > 100 dB down (IHF A-wtd); IMD 0.15% max SMPTE; transient IMD < 0.001%; frequency band-

width 3-10 dB from 1-80,000 Hz at 1 W; 17.3" W x 9" D x 2.55" H; 10.25 lbs \$375

Z-1 Wide Band Z Coupler

Impedance-matching device to enable a Carver Magnetic Field power amp to be used with a receiver or integrated amp. Receiver or integrated amp outputs drive power amp through Z-1 coupler, which presents an optimum noninductive load to the amp in the receiver or integrated amp. \$50

CLASSE AUDIO

DR-3 Power Amplifier

Dual-mono, Class A power amp. Features custom-made high-current output connectors; bridgeable. 25 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 20-20,000



Hz \pm 0.01 dB; S/N 90 dB; dynamic headroom 8 dB; IMD 0.1%; output current per ch 18 amps RMS. 19" W x 10 1/2" H x 13" D; 68 lbs \$2,895
DR-2. 25 W/ch \$2,195

CONRAD-JOHNSON

Premier One Power Amplifier

Vacuum-tube power amp with low-noise precision

parts in audio circuitry; LED bias indicators. Output power 200 W/ch continuous into 4, 8, or 16 ohms 30-15,000 Hz at 1.0% THD and IMD; FR 20-20,000 Hz \pm 0.5 dB; S/N 90 dB \$4,350

Premier Five Power Amplifier

Vacuum tube mono power amp features low-imp power supplies and extensive use of polystyrene capacitors. Features LED bias indicators; 200 W/ch continuous average from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20 kHz \pm 0.5 dB; S/N 94 dB; IMD 1%; 19" W x 9" H x 20 1/2" D; 90 lbs \$3,000
Premier Four. Similar except 100 W/ch \$2,950

MV50 Power Amplifier

Similar to Premier Five except stereo, 50 continuous average watts from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz \pm 0.5 dB; S/N 94 dB; 40 lbs \$1,385

MV75a Power Amplifier

Vacuum-tube stereo power amp with low-noise precision parts in audio circuitry; LED bias indicators. Output power 75 W/ch continuous into 4, 8, or 16 ohms, 30-15,000 Hz at 1.0% THD and IMD. 150 W mono; FR 20-20,000 Hz \pm 0.5 dB; S/N 90 dB \$1,575

COUNTERPOINT

SA-4 Power Amplifier

Power amp with 130 continuous average W/ch from 20-20,000 Hz with no more than 0.2% THD into 8 ohms; FR 0.08-100,000 Hz; S/N 92 dB; dynamic headroom 2 dB; IMD 0.65%; 19" W x 6.7" H x 19" D; 60 lbs \$5,225

SA-8 Power Amplifier

Power amp with 200 continuous average W/ch from

20-20,000 Hz with no more than 1.0% THD into 8 ohms; FR 5-140,000 Hz; S/N 90 dB; dynamic headroom 3 dB; 19" W x 4.55" H x 16" D \$2,395

SA-12 Hybrid Power Amplifier

Hybrid power amp with tube front end and MOSFET output stage. Features no overall loop feedback; warm-up and shut-off automatic speaker muting. 85 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 5-100,000 Hz \pm 0.2 dB; S/N 92 dB; dynamic headroom 2 dB; channel-to-ch sep >85 dB from 100-10,000 Hz; 19" W x 4.5" H x 12.5" D \$995

CROWN

Delta Omega 2000

2000-W mono power amp with special adjustable circuitry to effectively eliminate voice-coil and spacer-cable resistance for greatly increased impact. Features dynamic range indicator; signal-presence indicator; switchable 4-sec turn-on delay; DC and low-frequency protection; protected against overheating, overload, shorted and open outputs. 600 continuous average W/ch 20-20,000 Hz with >0.05% THD into 8 ohms; FR DC-20,000 Hz \pm 0.1 dB; S/N 120 dB; slew rate 32 V/ μ s; IMD <0.05%; 1,200 W into 4 ohms, 2,000 W into 2.2 ohms. 19" W x 8 1/4" H x 16 1/2" D; 92 lbs (41.7 kg) \$2,995

SA-2 Power Amplifier

Features dual-LED input/output comparator display indicators; stereo/mono switch; remote mute; 4 on-board computers that analyze demand, immediate history of amp, load for max output power; 2-speed fan. Output power 220 W/ch continuous into 8 ohms, 20-20,000 Hz at 0.05% THD, 0.01% IMD; FR 0-80,000 Hz \pm 0/-1.5 dB; S/N 110 dB A-wtd; 19" W x 14 1/4" D x 7" H \$1,999

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Power Line Two Amplifier

Features detented level controls; mono/stereo switch; Dynamic Analyzing Display, including IOC™ all-distortion, signal-present indicators; 3 bands reported for each ch; Multi-Mode circuit that uses 3-stage output design to eliminate distortion. Output power 50 W/ch into 8 ohms, 20-20,000 Hz, at no more than 0.04% THD; 1 3/4" front panel \$625

Power Line Three. Similar to Power Line Two except 90 W/ch. Features frequency-analyzing display that provides information about spectral balance of amp output signal \$995

Power Line Four. Similar to Power Line Three except 165 W/ch \$1,495

DB SYSTEMS**DB-6A Power Amplifier**

Stereo power amp able to drive 1-ohm loads. Features 12 dB/octave infrasonic filter; peak-clipping LEDs; electronic clamp. Output power 40 W/ch continuous into 8 ohms 20-20,000 Hz at 0.003% THD; THD 0.0008% at 1,000 Hz; IMD < 0.002%; FR 20-40,000 Hz ± 0.1 dB; input sens/imp 1 V/50k ohms; S/N 112 dB at 1 V A-wtd; slew rate 15 V/ μ sec; damping factor > 400, 20-1,000 Hz. 4.9" H x 16" W x 12.8" D \$750

DB-6A-M. Similar to DB-6A except bridged mono amp at 140 W continuous with 0.008% THD; slew rate 30V/ μ sec \$750
19" Rack Adaptor \$55
Mono conversion of DB-6A to DB-6A-M \$39

DENNESEN ELECTROSTATICS**Antares II Power Amplifier**

MOSFET power amp. 75 continuous average W/ch from 20-20,000 Hz with no > 0.1% THD into 8 ohms; FR 10-100,000 Hz ± 0.1 dB; S/N 90 dB; dynamic headroom 3 dB; slew rate 30 V/ μ s; IMD 0.1%; 19" W x 5 1/4" H x 8" D; 30 lbs \$595

Orion. Same as above except 150 W mono \$1,500

DENON**POA-3000Z Power Amplifier**

Features dual super non-NFB circuitry; 4 large capacity high-speed power transistors; floating load circuitry; self diagnostic display; DAD direct input terminals. 250 continuous average W/ch from 20-20,000 Hz with no more than 0.008% THD into 8 ohms; FR 1-3000,000 Hz ± 0.1 dB; S/N 123 dB A-wtd; dynamic power 315 W + 315 W (8 ohms), 585 W + 585 W (4 ohms), 900 W + 900 W (2 ohms); slew rate ± 500 V/ μ sec; IMD 0.0015% \$2,000

POA-1500II Power Amplifier

Features direct A non-NFB; power meters; amp status indicators; A/B speaker switching; side panels standard. FR 1-300,000 Hz ± 3 dB; THD .002%; S/N 123 dB; IMD 0.0015%; 150 continuous average W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; dynamic headroom 2.3 dB; slew rate ± 400 V/ μ sec \$695

DUAL by ORTOFON**CV1260 Amplifier**

60 W/ch Class A amplifier with less than 0.08% THD. Features peak power meters; 2 tape monitors \$350

GOLD SOUND**Swax-1 Power Amplifier**

Integrated 300-W subwoofer amp and variable-slope electronic crossover with 18 dB subsonic filter. Features feed-forward regulated power supply; new class A operation; kit PC boards completely assembled and tested. 300 continuous average W/ch 20-20,000 Hz with no > 0.02% THD into 8 ohms; 300 W RMS 4 ohms; S/N > 90 dB; slew rate > 100 V/s; IMD 0.02%; direct-coupled 20-dB negative feedback; damping factor > 100; input sens 50,000 ohms 1.25 W RMS; 19" W x 13 1/4" H x 11" D rack mount; 12 lbs. Assembled \$395

HAFLER**DH-500 Power Amplifier**

Stereo power amp designed to deliver > 255 W/ch with < 0.025% distortion into 8 ohms; > 400 W into 4 ohms (can be bridged, using optional bridging kit, to deliver > 800 W into 8 ohms). Employs MOSFETs on compact enclosed multispeed fan-cooled heat sink. Fuses and relay protect speakers against turn-on thumps or DC shifts; self-protective capability of the MOSFETs eliminates need for amp protection. Factory assembled \$850
Kit \$675

DH 220 Power Amplifier

Direct-coupled bridgeable MOSFET power amp stable into any load. 115 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; typical THD at 115 W into 8 ohms 0.0015% at 1,000 Hz; FR 6-60,000 Hz ± 0.5 dB; S/N 100 dB; dynamic headroom 2 dB; slew rate 50 V/ μ sec; IMD < 0.005%; damping factor 300 to 1,000 Hz into 8 ohms; 16" W x 5 1/4" H x 10 1/2" D; 26 lbs. Assembled \$500
Kit \$400

DH 120 Power Amplifier

Stereo power amp stable with L and R level controls, stereo/mono switch, Aux speaker outputs which feed a matrix signal for ambience effects. 62 continuous average W/ch from 20-20,000 Hz with no more than 0.006% THD into 8 ohms; FR 10-35,000 Hz ± 1 dB; S/N 105 dB; damping factor 219 to 1,000 Hz; sep 102 dB at 1,000 Hz; 15 1/2" W x 3 1/4" H x 8 1/2" D; approx 15 lbs. Tentative price, assembled ... \$320
Tentative price, kit \$260

HARMAN KARDON**HK870 Power Amplifier**

Stereo DC power amp with discrete components in audio circuitry. Features toroidal power supplies; 4 dual-polarity power supplies. Power output 100 W/ch continuous into 8 ohms, 20-20,000 Hz at 0.06% THD; high instantaneous current capability 60 amps; power bandwidth < 10-80,000 Hz; FR 0.1-180,000 Hz (1 W) ± 0.1 dB; slew rate 160 V/ μ sec; negative feedback 12 dB; input sens/imp main input 1.0 V/22,000 ohms; S/N (A-wtd, main input) 98 dB; damping factor 120 \$525

HEATH**AA-1800 Power Amplifier**

Power amp with typical dynamic headroom of 3 dB. Features 250 continuous average W/ch 20-20,000 Hz with no > 0.025% THD into 8 ohms. FR 0.8-220,000 Hz ± 3 dB; S/N 130 dB; dynamic headroom 3 dB; IMD 0.03%; 19" W x 7 1/4" H x 17 1/4" D; 75 lbs \$650

HEYBROOK by D'ASCANIO AUDIO**Heybrook P-2 Power Amplifier**

Solid-state power amp with heavy-gauge aluminum cabinet. Features 1-V sens for full rated output. 80 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; FR 20-50,000 Hz; S/N 90 dB; IMD 0.01%; 420 mm W x 85 H x 300 D; 25 lbs \$795

HITACHI**HMA 8500 MK II Power Amplifier**

Power amp with MOSFETs. Features 100 continuous average W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; IMD 0.005%; 17 1/4" W x 6 1/2" H x 12 1/4" D; 35 lbs \$650

JVC**ML10 Power Amplifier**

Power cascode super-A power amplifier. 160 continuous average W/ch from 20-20,000 Hz with no more than 0.002% THD into 8 ohms; FR DC-300,000 Hz

+0, -3 dB; S/N 120 dB; IMD 0.002%; damping factor 200 (1,000 Hz 8 ohms). 18 1/4" W x 8" H x 16 1/4" D; 61.6 lbs \$2,100

KENWOOD**Basic M2A Power Amplifier**

High speed power amp with super DLD; two speaker system selection; separate level controls for right and left channels; fluorescent peak hold power meters; LED power indicator. 220 continuous average W/ch from 20-20,000 Hz with no more than 0.004% THD into 8 ohms; FR 20-20,000 Hz. 38 lbs \$600

Basic M1A High Speed Power Amplifier

Power amp with super DLD; sigma drive type B; two speaker system selection; LED power indicator; head-phone jack. 105 continuous average W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; 23 lbs \$330.

KINERGETICS**KBA-200 Power Amplifier**

200-W/ch amp with amplifying circuits designed to correct hysteresis distortion. Features cascode input to further extend wide full-power bandwidth to 400,000 Hz range. Dual-mono design with right and left ch totally separate. 200 W/ch continuous into 8 ohms; 300 W/ch continuous into 4 ohms; headroom 3 dB; input imp 50 kohms; slew rate > 100 V/; full-power bandwidth 1-400,000 Hz; small-signal signal bandwidth 1->1 MHz; voltage gain 30; 19" W x 7" H x 18" D; clear or black anodized brushed aluminum faceplate \$1,495

KBA-100 Basic Amplifier

Power amp designed to provide amplification free of hysteresis distortion to provide sharp detail of transient response and extreme definition. 100 W/ch into 8 ohms; power bandwidth (full power) 3-160,000 Hz; slew rate > 60 V/sec; dynamic headroom 3.0 dB; 16" W x 10" D x 6.5" H; 29 lbs. Clear or black anodized brushed aluminum faceplate \$840

KYOCERA**B-910 Power Amplifier**

Class AB power amp with triple push-pull high-frequency power stages, ceramic base/chassis. Features DC configuration, large cutless core power transformer, large honeycomb heatsinks; direct and subsonic inputs. 150 continuous average W/ch 20-20,000 Hz with no > 0.02% THD into 8 ohms. FR DC-300,000 Hz ± 3 dB at 1 W; S/N 115 dB; damping factor 80 (50 Hz); 200 W/ch into 4 ohms with 0.03% THD; power bandwidth 10-50,000 Hz; input sens 2.0 V (30 kohm); 17" W x 8 1/4" H x 15 1/4" D; 59.5 lbs \$2,000

**LINN SONDEK
by AUDIOPHILE SYSTEMS****LK2 Stereo Power Amplifier**

70 continuous average W/ch from 20-20,000 Hz; companion to LK1 preamp. 12 1/4" W x 3" H x 10 1/2" D; 19 lbs \$650

LUXMAN**M-05 Power Amplifier**

Duo-Beta/S class A power amp. 105 continuous average W/ch from 20-20,000 Hz with no more than

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

0.025% THD into 8 ohms; FR 10-100,000 Hz -0.5 dB; S/N 120 dB; 18 $\frac{1}{2}$ " W x 8 $\frac{1}{4}$ " H x 17 $\frac{1}{4}$ " D; 88.4 lbs \$2,800

M-02 Power Amplifier

Duo-Beta/S power amp. 140 continuous average W/ch from 20-20,000 Hz with no more than 0.025% THD into 8 ohms; FR 10-100,000 Hz -1 dB; S/N 120 dB; 17 $\frac{1}{8}$ " W x 5 $\frac{1}{8}$ " H x 13 $\frac{1}{8}$ " D; 31.9 lbs \$700

MARK LEVINSON

ML-3 Power Amplifier

Dual-monophonic power amp in a single chassis utilizing only discrete circuitry. Employs two fully independent power supplies, each consisting of a 1.2 KVA toroidal power transformer, a 30-ampere bridge rectifier and two 36,000 μ F filter capacitors, providing 240 joules of stored energy for each ch. Four 1,700 μ F capacitors provide additional filtering for all voltage gain stages. Class-A AB2 operation in output stage. Features a sophisticated protection system; gold-plated self-locking speaker connectors; Camac input connectors and selectable damping factor. 200 W/ch at 8 ohms, 20-20,000 Hz <0.2% THD and 400 W/ch at 4 ohms with <0.4% THD. Twenty 200-W, 15-ampere power transistors per ch enable ML-3, when pulsed, to develop 52 volts peak, at peak currents up to 52 amperes (2704 W peak) per ch. Hand-brushed black anodized front plate. 10 $\frac{1}{2}$ " H x 19" W x 24 $\frac{1}{2}$ " D; 116 lbs \$5,745

ML-2 Power Amplifier

Class-A monophonic power amp utilizing only discrete circuitry and modular construction. Massive power supply consists of 1.2 KVA toroidal power transformer, a 30-ampere bridge rectifier and 144,000 μ F of filter capacitance and is capable of delivering 100 joules of energy. Dual-tracking regulator maintains a specified voltage level within 0.15%. Regulating system provides -95 dB ripple and ac mains interference rejection. Features sophisticated protection system; gold-plated self-locking speaker connectors and Camac input connectors. Power output 25 W at 8 ohms, 20-20,000 Hz, with <0.1% THD, 50 W at 4 ohms with <0.25% THD, and 100 W at 2 ohms <0.5% THD. When pulsed, ML-2 will develop 18 volts peak, at peak currents up to 26 amperes (468 W peak). Hand-brushed black anodized front plate. 8 $\frac{3}{4}$ " H x 19" W x 21 $\frac{1}{4}$ " D; 65 lbs \$4,424

ML-9 Power Amplifier

Stereo power amp rated at 100 W/ch at 8 ohms, 20-20,000 Hz, <0.2% THD and 200 W/ch at 4 ohms <0.4% THD. All circuitry is discrete and Class-A operation is maintained throughout all voltage gain and driver stages, with Class AB2 operation in output stage. Power supply is comprised of a 1.2 KVA toroidal power transformer, a 30-ampere bridge rectifier and 2 36,000 μ F filter capacitors, and is capable of storing 230 joules of energy. Two 520 μ F capacitors provide decoupling and additional filtering for all voltage gain stages. Features gold-plated binding posts for output connections; Camac input connectors and selectable damping factor. Eight 200-W, 15-ampere power transistors together with massive power supply enable ML-9, when pulsed, to develop 58 V peak, at peak currents up to 29 amperes (1,682 W peak) per ch. Hand-brushed black anodized front plate; 8 $\frac{3}{4}$ " H x 19" W x 13 $\frac{1}{2}$ " D; 56 lbs \$3,050

ML-11 Power Amplifier

Stereo power amp rated at 50 W/ch at 8 ohms, 20-20,000 Hz, <0.5% THD and 100 W/ch at 4 ohms <0.6% THD. 140 W at 8 ohms when bridged. All circuitry is discrete and Class-A operation is maintained throughout all voltage gain and driver stages, with Class AB2 operation in output stage. Power supply consists of a 320 VA toroidal power transformer, two 12-ampere bridge rectifiers, and four 10,000 μ F filter capacitors, providing separate rectification and 20 joules of energy storage for each ch. Six 200 W, 15 ampere power transistors per ch enable ML-11, when pulsed, to develop 25 volts peak, at peak currents up

to 12.5 amperes (312.5 W peak) per ch. Optional externally programmable voltage-limiting circuit makes it possible to reduce voltage output of ML-11, offering protection for speakers that have reduced power-handling capability. Features gold-plated binding posts for output connections and Camac input connectors; hand-brushed black anodized front plate. 8 $\frac{3}{4}$ " H x 19" W x 12" D; 25 lbs \$1,860

McLAREN AUDIO by AUDIOQUEST

702 Stereo Power Amp

MOSFET power amp with 100 W/ch into 8 ohms; THD <0.05%; power bandwidth 10-50,000 Hz; IHF slew >10; 16.5" W x 3.6" H x 11" D \$995

MISSION

777 Power Amplifier

Perfectly symmetrical DC-coupled class-A (except for output devices which operate in class AB mode) amp utilizing two identical mono amps. All active components are discrete. Casting works as giant heat sink. Totally modular in construction, features instrument-type line connector; cast aluminum amp case; very high local feedback loops; output fuse incorporated in feedback loop. Output power 100 W/ch into 8 ohms, 175 W/ch into 4 ohms continuous with both chs driven from 20-20,000 Hz; slew rate 180 Vm; rise time 0.32 μ sec; negative feedback <14 dB; THD <0.2% DC-40,000 Hz; TIM immeasurable; S/N >100 dB \$1,400

MOTIF by CONRAD JOHNSON

Motif MS100 Power Amplifier

Stereo power amp with MOSFET output stage. Features extensive use of large value polystyrene capacitors. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 20-20,000 Hz \pm 0.10 dB; S/N 100 dB; 19" W x 5 $\frac{1}{4}$ " H x 13 $\frac{1}{2}$ " D; 45 lbs \$2,800

Motif MM100 Power Amplifier

Monaural power amp with MOSFET output stage. 200 continuous average watts from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 20-20,000 Hz \pm 0.1 dB; S/N 100 dB; 19" W x 5 $\frac{1}{4}$ " H x 13 $\frac{1}{2}$ " D; 45 lbs \$2,800

NAD

2155 Power Amplifier

Stereo/mono power amplifier with Soft Clipping[™] circuitry. Features speaker-matching imp switch, bridging capability for mono operation. 40 amp current capability; 55 continuous average W/ch 20-20,000 Hz with >0.02% THD; dynamic headroom 3 dB; slew rate 20 V/ μ sec \$298

2200 Power Amplifier—On Front Cover

Power Tracker[™] stereo/mono power amp. Features high-voltage, high-current design; bridgeable; new soft clipping[™] circuit; audible clipping indicator on front panel. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; FR 3-80,000 Hz +0, -3 dB; S/N >91 dynamic headroom +6 dB; slew rate >35 V/sec; intermodulation distortion <0.03%; 16.5" W x 4.8" H x 14.5" D; 27.6 lbs \$448

NAKAMICHI

PA-7 Power Amplifier

Power amp utilizes Stasis topology. Features 700-W toroidal power transformer; 33,000 microFarad x 4 filter capacitors; dual rectifiers; 16 transistors per ch. 200 continuous average W/ch from 20-20,000 Hz with no >0.1% THD into 8 ohms; FR 7-150,000 Hz +0, -3 dB; S/N >120 dB; dynamic headroom 1.7 dB; IMD <0.1%; output current capability 14 amps continuous (50 amps peak); dynamic output power 300 W/ch into 8 ohms; power bandwidth 5-50,000 Hz (8 ohms, 100 W, 0.1% THD); 17 $\frac{1}{2}$ " W x 7 $\frac{1}{4}$ " H x 16 $\frac{1}{8}$ " D; 59 lbs, 8 oz \$1,595

PA-5. Similar to above but 100 W/ch \$995

NAIM by AUDIOPHILE SYSTEMS

NAP 135 Monaural Power Amplifier

75 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 5-40,000 Hz \pm 3 dB; transient power 500 VA; gain 29 dB; can drive reactive loads from -90 $^{\circ}$ to +90 $^{\circ}$ with no change in distortion; no slew rate limit within bandwidth. 17" W x 5" H x 12" D. \$1,495 (\$2990/pr)

NAP 250 Power Amplifier

Features gain-decoupling capacitor, passive single-pole filter with no slew rate limit within bandwidth; heavy aluminum extruded heatsink; toroidal main transformers; 4 regulated power supplies. 70 W continuous into 8 ohms, 20-20,000 Hz at 0.1% THD and IMD; FR 5-40,000 Hz \pm 3 dB; transient capability 400 VA; gain 29 dB; imp 22k ohms; can drive reactive loads with phase angles from 90 $^{\circ}$ to +90 $^{\circ}$ with no appreciable distortion change; 17" W x 12" D x 5" H \$1,495

NAP 160. Similar to NAP 250 except has 24-V regulated power supply (powers Naim preamps); output power 50 W; transient capability 250 VA; sens 1.4 V \$995

NAP 110 Power Amplifier

Stereo amp with 40 W continuous output power into 8 ohms, 20-20,000 Hz at 0.1% THD. Transient power capability VA 150 V; dynamic headroom 4.5 dB; reactive-load response, distortion, response same as NAP 250 \$595

NIKKO

Alpha 650 Power Amplifier

DC stereo power amp with BTL operation for 650 W mono. 300 continuous average W/ch from 20-20,000 Hz with no more than 0.008% THD into 8 ohms; FR 0-100,000 Hz +0, -1 dB; S/N 115 dB; 19" W x 17 $\frac{1}{4}$ " H x 18 $\frac{1}{2}$ " D; 60.5 lbs .. \$2,000

Alpha 450 Power Amplifier

DC stereo power amp. 220 continuous average W/ch from 20-20,000 Hz; FR 5-100,000 Hz +0, -0.5 dB; S/N 120 dB; dynamic headroom 150 dB damping; IMD 0.008%; 19" W x 7 $\frac{1}{4}$ " H x 18 $\frac{1}{4}$ " D; 47.3 lbs \$1,000

Alpha 230 Power Amplifier

DC stereo power amp. 120 continuous average W/ch from 20-20,000 Hz with no more than 0.008% THD into 8 ohms; FR 5-100,000 Hz +0, -0.5 dB; S/N 115 dB; dynamic headroom 70 dB damping; IMD 0.008%; 19" W x 5 $\frac{1}{2}$ " H x 13 $\frac{1}{2}$ " D; 29.7 lbs \$549

Alpha 130 Power Amplifier

DC stereo power amp with peak level indicator. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; FR 5-100,000 Hz +0, -0.5 dB; S/N 115 dB; IMD 0.003%; 19" W x 5 $\frac{1}{2}$ " H x 13 $\frac{1}{2}$ " D; 28.6 lbs \$400

NOVA

DMA-300 Power Amplifier

Dual monaural power amp with bi-polar circuitry. Features nonswitching design with heavy power supply regulation. 150 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; S/N 95 dB; dynamic headroom 2 dB; slew rate 40 V/ μ sec; IMD 0.01%. 19" W x 7" H x 12" D; 45 lbs \$1,695

ONKYO

Esoteric Series

M-5060R 130-Watt Power Amplifier

2 independent mono amps on same chassis. Features dual Super Servo, linear-switching circuitry; 2 large power transformers; peak-hold 2-color power meters; stable protection circuitry with IC voltage, current-

sensing device; 2-speaker switching; separate left/right gain controls. Output power 130 W/ch continuous into 8 ohms, 20-20,000 Hz at 0.005% THD. \$800

M-5030 100-Watt Power Amplifier

Dynamic Super Servo power amp. Features Delta power supply; linear switching; large peak-reading power meters; 100 W/ch, min RMS, into 8 ohms both chs driven from 20-20,000 Hz with no more than 0.005% THD. \$600

CW-50R Wood Side Panels

For use with Onkyo M-5060R, M-5030 power amplifiers. \$90/set

PARASOUND

PA260 Power Amplifier

Compact stereo power amp with switchable BTL operation for 150 W in mono at less than 0.06% THD. Features switching for two pairs of speakers; headphone jack; relay protection with LED indicators; oversized toroidal transformer; input gain control. 60 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; FR 10-85,000 Hz ± 1 dB; S/N 100 dB; dynamic headroom 2 dB; slew rate 95 V/ μ sec; IMD 0.01%; 8-sec delay for relay operation; 17 $\frac{1}{2}$ " W \times 2 $\frac{1}{4}$ " H \times 8 $\frac{1}{2}$ " D; 15 lbs. \$220

PERREAUX

PMF 5150B Power Amplifier

Dual-channel (stereo) power amp for pro or home use. Features massive transformer coupled with two 35-ampere bridge rectifiers and eight high-ripple current computer-grade 10,000-mfd capacitors; heavy duty 50-ampere wiring throughout high-current power supply; fibreglass PC board throughout; heavy-gauge extruded aluminium front panel. Not rated by wattage; continuous current output 30 amperes; voltage swing 220 V peak to peak; 0.03% THD and IMD under any conditions prior to clipping; open-loop bandwidth > 500,000 Hz at 1 W; phase response +2° at 20 Hz, -2° at 30,000 Hz; rise time 1 μ sec; FR 20-20,000 Hz ± 0.02 dB; hum and noise 100 dB below rated output 20-20,000 Hz unwt'd; damping factor > 200 10-1,000 Hz; input imp 10,000 ohms; input sens 1.5 V RMS for rated output at 100 Hz; 19" W \times 10 $\frac{1}{4}$ " H \times 20 $\frac{1}{2}$ " D plus 1 $\frac{1}{2}$ " depth for front handles. \$3,500

2150B Power Amplifier

Rated power 200 W/ch continuous, both chs driven into 8 ohms from 20-20,000 Hz at no > 0.009% THD from 0.25 W to rated power; 400 W/ch continuous into 4 ohms; bridged power > 600 W continuous 20-20,000 Hz into 8 ohms; amp saturation 700 W or greater per ch into 8 ohms; voltage swing 164 volts peak to peak per ch; max current out 10 amperes continuous per ch, fuse limited; rise time typically < 1 sec; bandwidth 10-3,000,000 Hz -0.1 dB at 1 W; phase response -1 at 20 Hz, -1 at 20,000 Hz; hum and noise 100 dB below rated output 20-20,000 Hz unwt'd; damping factor > 500 10-10,000 Hz; input sens 1.5 V RMS for rated output at 1,000 Hz; input imp 10,000 ohms; 48 cm W \times 18.5 H \times 40 D (19" W \times 7 $\frac{1}{2}$ " H \times 15" D), plus 4.5 cm (1 $\frac{1}{2}$ ") for front handles; 22 kg (48 lbs) net, 23.5 kg (52 lbs) shipping. \$1,550

PMF 1150B. Specs same as PMF 2150B except rated power 100 W/ch continuous, both chs driven into 8 ohms from 20-20,000 Hz at no > 0.009% THD from 0.25 W to rated power; 200 W/ch continuous into 4 ohms; THD and IMD 0.009%; bridged power

> 300 W continuous 20-20,000 Hz into 8 ohms; amp saturation 350 W/ch or greater into 8 ohms; voltage swing 120 V peak to peak per ch; max current output 7.5 amperes continuous per ch, fuse limited; input imp 47,000 ohms; 48.3 cm W \times 13.3 H \times 35.6 D (19" W \times 5 $\frac{1}{2}$ " H \times 15" D); 15 kg (33 lbs) net, 16.3 kg (36 lbs) shipping. \$1,150

QUAD

Quad 405-2 Power Amplifier

Voltage power current controlled amp with feed-forward current error-correction dumping output circuitry. Load-sensitive time-dependent current limiter protection circuit; DC offset voltage confined to negligible values even under gross overload; fixed high-pass filter; clamp circuit interrupts output to speaker in case of component failure. Available in anthracite grey. Output power 100 W continuous sine wave into 8 ohms, 100-1,000 Hz at 0.01% THD, FR -1 dB at 20 Hz, -0.5 dB at 20,000 Hz; slew rate 0.1 V/ μ sec; hum and noise -96 dB A-wtd; 4.5" H \times 13.4" W \times 7.7" D; 20 lbs. \$650

Quad 303 Power Amplifier

Employs symmetrical triple circuitry; no controls. Available in anthracite grey. Output power 45 W continuous sine wave into 8 ohms, 100-1,000 Hz at 0.03% THD, 0.1% THD at 10 kHz; FR 30-35,000 Hz -1 dB, 8 ohms; hum and noise -100 dB A-wtd; 324 mm D \times 159 H \times 120 W. \$395

REVOX

B740 Power Amplifier

Basic stereo power amp with peak power meters. Features fully complementary push-pull circuitry at every stage, low negative feedback; full electronic protection without relays; 3-dB stepped input level controls; front-panel headphone jacks, carrying handles; RCA and XLR input connectors; switchable infrasonic filter. Output power 100 W/ch into 8 ohms, 20-20,000 Hz at 0.1% THD; FR 20-20,000 Hz $\pm 0/-0.75$ dB; sens 1 V for rated output; 17" W \times 14" D \times 6" H \$1,600

ROBERTSON AUDIO

Sixty Ten Power Amplifier

Power amp with independent power supplies for each channel; 200 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 0.5-250,000 Hz ± 3 dB; S/N 90 dB; slew rate 256 V/sec; IMD 0.0023%; 65 lbs. \$2,550

Forty Ten Power Amplifier

Power amp with independent power supplied for each channel; 60 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 0.5-330,000 Hz ± 3 dB; S/N 90 dB; slew rate 159 V/sec; IMD 0.05%; 23 lbs. \$995

ROTEL

RB880 Stereo Power Amplifier

Power amp with 100 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.03% THD; FR 15-120,000 Hz $\pm 0/-1$ dB; S/N 116 dB; IMD 0.03%; 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 12 $\frac{3}{16}$ " D; 20.6 lbs. \$875

RB870 Stereo Power Amplifier

Power amp with two power transformers and separate power supplies. 60 continuous average W/ch from 20-20,000 into 8 ohms with no more than 0.03% THD; FR 15-120,000 Hz $\pm 0/-1$ dB; S/N 116 dB; IMD 0.05%. \$375

SAE

A1001 Power Amplifier

Stereo power amp with 500 W/ch continuous output power into 8 ohms from 20-20,000 Hz at 0.25% THD and IMD, 750 W into 4 ohms at 0.025% THD. Features high-current capability, full complementary balanced circuitry. FR 20-20,000 Hz; S/N 115 dB; input sens 2.5 V; 19" W \times 17 $\frac{1}{4}$ " D \times 8 $\frac{3}{4}$ " H; 75 lbs. \$1,550

X10A Power Amplifier

Hypersonic Class A power amp. Features gold-plated connectors; toroidal transformer; wide/narrow band inputs; LED true power meters; anodized gray finish. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.025% THD into 8 ohms; FR 20-20,000 Hz ± 0 dB; S/N 110 dB; dynamic headroom 1.2 dB; slew rate 20 amps/sec; IMD 0.02%; 19" W \times 3.5" H \times 12.5" D; 28 lbs. \$900

A201 Power Amplifier

Stereo power amp with 100 W/ch continuous output power into 8 ohms from 20-20,000 Hz at 0.025% THD and IMD. Fully complementary circuits; natural damping; bridgeable to 375 W mono; high-pass filter inputs; LED power meters; turbo-flow heat sinking. FR 20-20,000 Hz; S/N 100 dB; dynamic headroom 1.2 dB; slew rate 20 amps m/sec; 19" W \times 12 $\frac{1}{2}$ " D \times 3 $\frac{1}{2}$ " H; 28 lbs. \$650

A502 Power Amplifier

Power amp with automatic bridging circuit. 200 continuous average W/ch from 20-20,000 Hz with no more than 0.025% THD into 8 ohms; 600 W mono operation. Features dual speaker system switching; peak and average LED power display. Rack mountable. FR 20-20,000 Hz ± 0 dB; S/N 110 dB; dynamic headroom 1.2 dB; IMD 0.025%; 19" W \times 5.25" H \times 14" D; 36 lbs. \$649

A202 Power Amplifier

Power amp with 100 W/ch and balanced, discrete outputs. Features dual speaker switching; peak and average level LED power display. Rack mountable. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.025% THD into 8 ohms; FR 20-20,000 Hz ± 0 dB; S/N 110 dB; dynamic headroom 1.2 dB; IMD 0.025%; 19" W \times 3.5" H \times 14" D; 27 lbs. \$449

SANSUI

B-2301 300-Watt Power Amplifier

DC power amp with X-balanced technology. Features fluorescent peak power display with switchable peak/hold functions; balanced ch-connector inputs. 300 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; frequency response 0-300,000 Hz ± 0 , -3 dB; slew rate 300 V/sec; 18 $\frac{2}{3}$ " W \times 4 $\frac{1}{16}$ " H \times 19 $\frac{11}{16}$ " D; 81 lbs. \$2,600

B-2101 200-Watt Power Amplifier

DC power amp with X-balanced technology. Features fluorescent peak power display with switchable peak/hold functions. Handles 2 pairs speakers with front-panel switching. 200 continuous average W/ch from 20-20,000 Hz with no more than 0.0025% THD into 8 ohms; FR 0-300,000 Hz ± 0 , -3 dB; S/N 124 dB; slew rate 400 V/ μ sec; 17" W \times 6 $\frac{1}{2}$ " H \times 15" D. \$800

SHERWOOD

S-6040 CP 100-Watt Power Amplifier

Basic power amp individually tested and certified. Features full push-pull MOSFET DC circuitry with complementary symmetry JFET input stage; cascode driver stage; second-order low-pass filter; complete relay protection; fuses in feedback circuit; min current limiting. Output power 100 W/ch into 8 ohms, 20-20,000 Hz at 0.03% THD and IMD; clipping dynamic headroom 0.88/1.67 dB at 8 ohms; damping factor 90; FR DC-40,000 Hz with low-pass filter; S/N

PRICES LISTED

are only the manufacturers' suggested retail prices
(also referred to as list prices)
which are subject to change without notice.
Actual selling prices are set by the dealers.

100 dB; input sens 900 mV; 17 $\frac{1}{4}$ " W \times 15 $\frac{1}{4}$ " D \times 4 $\frac{1}{4}$ " H; 30 lb \$350

SOUNDCRAFTSMEN

DDR1200 Power Amplifier

1.200-W power amp with 100-LED frequency spectrum analyzer display. Features class H Vari-Portional circuitry; autobuffer circuitry for continuous 2-ohm operation; 40-LED power output meter from 0.02 up to 2,000 W; Truclip clipping indicators for each ch; mono bridging switch on rear panel. TIM < 0.02%; 250 W/ch into 8 ohms; 375 W/ch into 4 ohms continuous RMS, 20-20,000 Hz, THD < 0.09%; 750 W at 8 ohms; 7" W \times 19" H \times 12" D; 58 lb \$1,199

PM1600 Power Amplifier

MOSFET stereo power amp. Features Phase Control Regulation power supply; 600 W/ch continuous RMS into 4 ohms; 750 W/ch continuous RMS into 2 ohms; over 1,000 W/ch short term continuous power into 2 ohms; 375 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; FR 20-20,000 Hz \pm 0.1 dB; S/N -105 dB; slew rate 50 V/sec; IMD 0.05%; rack mount; 19" W \times 5 $\frac{1}{4}$ " H \times 17" D; 60 lbs \$1,199

A5002 Power Amplifier

Power amp with class-H Vari-Proportional circuitry and Autobuffer for continuous operation into 2 ohms. Features auto crowbar protection circuit for output protection without current limiting; 20 LED/ch 0-1,000 W \pm 3 dB (4 ohms) meters; front-panel switching for 2 pairs of speakers; true clipping indicators; input level controls. Output power 250 W/ch into 8 ohms, 375 W into 4 ohms continuous rms, 20-20,000 Hz at < 0.09% THD; S/N > 105 dB; slew rate > 50 V/microsec; TIM < 0.02% \$899
A5001. Same as A5002 except no LED meters and no input level controls \$749

A2502 Power Amplifier

MOSFET stereo power amp with 20-LED 0-500 W (4 ohms) power meters. Features switching for 2 pairs of speakers; input level controls; true clipping indicators; brushed aluminum with charcoal finish rack-mount front panel. Output power 125 W/ch into 8 ohms, 190 W/ch into 4 ohms, continuous rms, 20-20,000 Hz at < 0.05% THD; S/N > 105 dB; damping factor 200 \$649

PCR800 Power Amplifier

Phase Control Regulation MOSFET stereo power amp. 205 W/ch continuous rms; 20-20,000 Hz into 2 ohms, 4 ohms, 8 ohms; THD 0.05%; TIM unmeasurable; S/N > 105 dB; 18 lbs \$449

SPECTRAL AUDIO

DMA-100 Power Amplifier

Dual mono power amp operating in pure class A. Features rated power from DC to 1 MHz; instrumentation construction; 100% modular; alloy frame; instantaneous overload recovery; balanced input. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR DC-1.5 MHz \pm 1.5 dB; S/N 90 dB; dynamic headroom 0.7 dB; slew rate 800 V/sec; IMD 0.1%; input imp 10k ohms; input sens 1.4 V RMS; rise time < 250 ns; settling 500 ns; 19" W \times 5.25" H \times 19.25" D; 62 lbs \$3,795

DMA-50 Power Amplifier

Stereo power amp with aerospace design and components. Features low-profile, modular construction; bridging switch; ultra-high speed operation. 80 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR DC-1.5 MHz \pm 1.5 dB; S/N 90 dB; dynamic headroom 2 dB; slew rate 800 V/sec; IMD 0.1%; input imp 10 kohms; input sens 1.4 V RMS; rise time < 250 ms; settling time 500 ms; 19" W \times 2.5" H \times 14.5" D; 29 lbs \$1,895

SUMO by ALL-AMERICAN AUDIO

The NINE + Power Amplifier

Class A power amp without any active bias circuits or

thermal tracking networks. Features balanced-bridge configuration; push-pull quadrature feedback circuits; Discrete-Darlington output stage; direct-coupled circuitry from input to output. Power output 65 W/ch into 8 ohms from 20-20,000 Hz with < 0.1% THD; IM distortion 0.05% from 0.25 V to rated output; hum and noise 100 dB (wide band) below rated power; input sens for rated output 1.0 V rms; FR 20-20,000 Hz \pm 0.25 dB; 14" W \times 8.5" H \times 7" D; 35 lbs \$999

Andromeda Power Amplifier

Class AB power amp with full-wave quadrant differential thermal-bridge topology using 4 independent push-pull feedback loops. Power output 200 W/ch continuous average into 8 ohms; THD 0.05%; IM 0.05%; slew rate 20 V/ μ sec; sens 1.8 V for rated output; dynamic headroom 1.5 dB; 19" W \times 8.75" H \times 7" D; 35 lbs \$899

The NINE Power Amplifier

Class A power amp with auto-biasing technology obviating thermal tracking, conventional bias, and protection circuitry. Power output 60 W/ch continuous average into 8 ohms; THD 0.25%; IM 0.05%; slew rate 15 V/ μ sec; sens 1.0 V for rated output; 19" W \times 8.75" H \times 7" D; 35 lbs \$799

Polaris Power Amplifier

Class AB power amp that does not invert phase. Power output 100 W/ch continuous average into 8 ohms; THD 0.05%; IM 0.05%; sens 1.27 V for rated output; dynamic headroom 1.5 dB; 25 lbs. With custom front panel and handles \$499

TANDBERG

TPA 3006A Power Amplifier

Stereo power amp with toroidal power transformer; high current MOSFET output design. Features selected all-metal film resistors; polypropylene capacitors; zero negative feedback. Continuous average power output 150 W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; FR 1-150,000 Hz \pm 0/-3 dB; S/N 118 dB A-wtd at 150 W; slew rate 500 V/sec; IMD 0.02%; 17 $\frac{1}{4}$ " W \times 3 $\frac{1}{4}$ " H \times 13 $\frac{3}{4}$ " D; 25 lbs. Rosewood side panels optional \$995

TPA-3009A Mono Power Amplifier

High-current MOSFET output mono power amp. Uses no negative feedback; no current and voltage limiting. Features discrete circuitry with 1 percent tolerances; metal film resistors; polypropylene capacitors; high-current toroidal power supply. Stable down to $\frac{1}{2}$ ohm. 200 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms, 350 W into 4 ohms, 450 W into 2 ohms. FR 1-150,000 Hz \pm 0, -3 dB; S/N 98 dB; slew rate 250 V/sec; IMD 0.05%; 7 $\frac{1}{4}$ " W \times 3 $\frac{1}{4}$ " H \times 13 $\frac{3}{4}$ " D; 25 lbs. Rosewood side panels and rack mounts available .. \$995

TECHNICS

SE-A3MK2 Stereo DC Power Amplifier

Power amp with computer-drive class-A circuitry. Features linear feedback circuitry; class-A synchro bias; concentrated power block; extra-large transformers and capacitors for stable power supply; 4-stage Darlington output circuitry; auto-load imp detector; computer protection circuitry; large, fast peak power meters; extra 2 Hz low-cut input terminals; main/remote/main and remote/off pushbutton speaker selectors on front panel; thick aluminum cabinet. Output power 300 W/ch into 8 ohms; THD 0.002%; IMD 0.002%; FR dc-200,000 Hz -3 dB; input sens/imp 55 mV/4-16 ohms main or remote, 8-16 ohms main and remote; S/N 100 dB; damping factor 200 8 ohms, 100 4 ohms; 16 $\frac{1}{16}$ " W \times 8 $\frac{1}{16}$ " H \times 19 $\frac{3}{32}$ " D; 86 lb \$2,200

SE-A5MK2 Power Amplifier

DC power amp with computer drive to neutralize transient crossover distortion and linear feedback. Features parallel 3-stage Darlington output. Features power-linear circuit compensates for speaker imp variation, power-output meters. 150 continuous aver-

age W/ch from 20-20,000 Hz with > 0.002% THD into 8 ohms; FR DC-150,000 Hz \pm 0/-3 dB; S/N 102 dB IHF A, 121 dB IHF '60; dynamic headroom 1.5 dB (852) -3.6 dB, 4 ohms; IMD 0.002% 8 ohms; TIM immeasurable; LF damping factor 100; power bandwidth both chs driven 5-100,000 Hz -3 dB, THD 001%; 16 $\frac{1}{16}$ " W \times 7" H \times 16 $\frac{1}{16}$ " D; 40.6 lbs \$800

THRESHOLD

SA/1 Class A Stasis Power Amplifier

Mono unit with both the voltage amp and current source sections of the Stasis output stage are operating in the pure Class A mode. Features -30, +3 dB peak output meter; gold-plated input/output connectors; military-grade glass-epoxy circuit boards; hand soldered internal connections; modular construction. 160 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 7-100,000 Hz -3 dB points; S/N -100 dB un-wtd, referenced to rated output; slew rate 50 V/sec; IMD 0.1%; 40 continuous, 60 peak amperes output capability. Output stage employs 40 ultra-wide bandwidth, 200 V, 200 ampere, 250 W rated devices. Power supply uses 1,000 W continuous rating toroidal transformer 120,000 mf capacitance. 19" W \times 9.5" H \times 17.5" D; 78.5 lbs \$3,6000

SA/2 Class A Stasis Power Amplifier. Similar to SA/1 except no output power meter. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; FR 7-100,000 Hz -3 dB points; S/N -100 dB un-wtd, referenced to rated output; slew rate 50 V/sec; IMD 0.1%; 30 continuous, 45 peak amperes output capability. Output stage employs 28 ultra-wide bandwidth, 200 V, 20 ampere, 250 W rated devices. Power supply uses 700 W continuous rating toroidal transformer, 60,000 mf capacitance. 19" W \times 9.5" H \times 13.12" D; 56 bs \$2,300

Model S/1000 Series II Stasis Amplifier

Single ch, noninverting complimentary-symmetry power amp with N-ch JFETs in front-end signal path and proprietary Stasis output stage. This is a binary topology in which a pure class-A voltage amp connected directly to the loudspeaker load determines signal integrity; while operating in conjunction with a high-ampere current mirror also connected directly to the load. No feedback stage is used. Front-end gain stages biased for class-A operation at all signal levels and are subject to primary and secondary levels of cascode shielding. Output stage employs 40 ultra-wide-bandwidth power transistors each rated at 200 V, 20 amperes. No fusing is imposed between output and load. Input and output connectors have gold-plated contact surfaces. Circuit boards are military grade glass-epoxy and all internal connections are hand soldered. Modular structural design of ch assemblies allows replacement in minutes. Operation is allowed into any load as permitted by power-supply fuses and thermal-protection circuitry. Large illuminated front-panel peak power meter covers -30 to +3 dB. Power supply 1,000 W toroidal transformer, 120,000 μ F capacitance. Rated power 500 W rms into 8 ohms of resistive or reactive imp 20-20,000 Hz at no more than 0.1% THD; bandwidth -3 dB points, 7 Hz and 100,000 Hz; slew rate 100V/ μ sec; input imp 75,000 ohms; output imp 0.1 ohm; output current capability 20 amperes continuous, 50 amperes peak; 19" W \times 9 $\frac{1}{2}$ " H \times 17 $\frac{1}{2}$ " D; 79 lbs \$3,500

Model S/500 Series II Stasis. As model S/1000 Series II above except dual-channel, no meters, lower power. Output transistor complement 20 200-V 20-ampere devices per channel; power supply 1,000-W toroidal transformer. 250 W/ch 20-20,000 Hz with both channels driven in 8 ohms of resistive or reactive imp at no more than 0.1% distortion. FR down 3 dB at 7 and 100,000 Hz; slew rate 50 V/ μ sec; output current capability 16 amperes/ch continuous, 40 amperes/ch peak \$3,200

Model S/300 Series II Stasis. As model S/500 Series II except rated power 150 W/ch into 8 ohms, both chs driven 20-20,000 Hz at 0.1% THD; output transistor complement fourteen 200-V, 20-ampere devices/chn; power supply 700-W toroidal transformer, 60,000 μ F capacitance; output current capability

12 amperes/ch continuous, 30 amperes/ch peak; 19" W x 9 1/2" H x 13" D; 56 lbs. \$2,200
Model S/150 Series II Stasis. As model S/300 Series II above except rated power 90 W/ch rms into 8 ohms, both chs driven 20-20,000 Hz at 0.1% THD; output transistor complement eight 200-V, 20-ampere devices/ch; power supply 400-W toroidal transformer, 30,000 μ F capacitance; max output current 8 amperes/ch continuous, 20 amperes/ch peak; 19" W x 9 1/2" H x 17 1/2" D 44 lbs. \$1,450

VECTOR RESEARCH

VA-1450 Power Amplifier

Features high-current, 8-output transistors, dual transformers; used in bridging mode with VA-1400 or VRX-9100 to convert to 200 W/ch. 100 continuous average W/ch 20-20,000 Hz < 0.08% THD into 4 ohms; dynamic headroom 2.5 dB; IHF IMD 0.08%; FR 10-40,000 Hz \pm 1 dB; 21 lbs. 17" W x 3" H x 12" D \$280

VSP

Trans Mos Power Amplifier

Stereo power amp with 150 W/ch continuous power into 8 ohms, 20-20,000 Hz < 0.05% THD. Features

output stage transconductance mode of operation; low-noise design; DC, MOSFETs for accurate wide-band response and low distortion; optimally balanced output stage for instant power-on without thump; controlled amp behavior under input overload with no power supply stick; over 1,100 sq. inches of heat-sink area; exceptional stability into all loads; switch for more efficient operation at low imps; switchable 18 dB/octave active infrasonic filter; zero group delay distortion high-frequency filter; switch for mono operation; modular construction with plug-in boards; 5 1/2" optional rack mount available; slew rate > 70 V/microsec; output current instantaneous 44 amps peak to peak; damping factor > 200 20-20,000 Hz; input sens 1.7 V RMS for 150 W output into 8 ohms; input imp 130 kohm resistive 20-20,000 Hz; 5" W x 15" D x 14" H; 40 lbs, assembled \$1,072
Gold Edition. Similar to Trans Mos except 200 W/ch power output; gold-plated input connectors; heavy-duty hand-soldered wiring; hand-matched MOSFETs for ultimate sound quality; 19" rack mount \$1,500

WINGATE AUDIO CORPORATION

2000A Power Amplifier

Class A power amp with 100% MOSFET. Features zero negative feedback; dual-mono construction; ul-

tra-wide bandwidth. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms; FR 0.09-250,000 Hz +0, -3 dB; S/N > 100 dB; dynamic headroom 1.6 dB; slew rate 50 V/sec; IMD 0.5%; gain 30 dB; input imp 20,000 ohms; 16 1/4" W x 8 1/4" H x 22 1/2" D; 95 lbs \$1,295
2000M. Similar to above with 200 W/ch .. \$2,595

YAMAHA

M-80 Power Amplifier

Stereo power amp with zero distortion rule circuitry; A, B, C speaker switching; 20-segment peak LED meters. Features 250 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; FR 20-20,000 Hz +0, -1 dB; S/N 127 dB; dynamic headroom 2.3 dB; IMD 0.003%; 17 1/4" W x 6 1/2" H x 16 1/4" D; 50 lbs \$950
M-60. Stereo power amp with many features of M-80. 160 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; dynamic headroom 1.5 dB; 33 lbs \$650
M-40. Stereo power amp with many features of M-60. 120 continuous average watts per channel from 20-20,000 Hz with no more than 0.003% total harmonic distortion into 8 ohms; dynamic headroom 1.3 dB; 31 lbs \$400

Preamplifiers

Preamplifiers

ACOUSTAT

Trans-Nova[™] Preamplifier

Full FET preamplifier with single phono gain stage for all types of low- or high-output phono cartridges and RIAA network that is neither passive nor active. Features 4 high-level inputs; 2 tape monitors with dubbing in both directions; output switching; passive high filter and loudness compensation; headphone output; convenience outlets. FR 3-750,000 Hz \pm 3 dB; 10 lb \$695

ACCPHASE by MADRIGAL

C-280 Stereo Preamplifier

Preamp with all-stage Class-A push-pull arrangement and all DC servo-controlled direct-coupled unit amplifiers and signal paths. Compatible with MC cartridges with built-in head amp; separate power transformers for each channel (+26 dB/+32 dB selectable); MC input-imp selector switch; right and left separate input level control (balance control); 2-stage selectable loudness compensator. THD < 0.005% 20-20,000 Hz; phono input 2 mV, phono (head amp on): 0.1 mV/0.5mV selectable; line/tuner input 126 mV; rated output 2 V; line/tuner S/N 110 dB; phono S/N 85 dB; phono S/N (head amp on) 72 dB. 18 1/4" W x 6 1/2" H x 15 1/4" D \$4,100

C-200L Stereo Preamplifier

Extremely flexible stereo preamp and control center. Features 11 inputs; separate tone controls for each channel with selectable turn over frequencies; some inputs and outputs accessible from front panel. Inputs for MM phono, MC phono, tape, 2, tape 3; aux, phono 2, phono 3, CD player, tuner; line 2; line 3. FR 1-500,000 Hz +0, -3 dB; max output 8.0 V; THD 0.005%; IMD 0.005% IHF; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 300 mV, sens for line-level inputs 31.5 mV; 17.5" W x 6.4" H x 14.6" D; 30 lbs \$2,150

C-222 Stereo Preamplifier

Preamp with all-stage push-pull arrangement with cascode amplification and all signal paths directly coupled by DC Servo Control circuit. Features built-in head amp (+26 dB/+32 dB selectable gain); selectable MC input imp; selectable MM load capacitance; 2-level selectable loudness compensator. At 2 V output: THD < 0.005% 20-20,000 Hz; rated input, phono: 2 mV phono (head amp on); 0.1 mV/0.05 mV selectable Aux/tuner; S/N 85 dB Aux/tuner 110

dB (head amp on) 72 dB. 17 1/4" W x 5" H x 14 1/4" D \$1,500

ADCOM

GFP-1A Preamplifier

Features two separate phono-input circuits; inputs for CD player and wide-range VCR audio; signal-processor loop; switchable phono-input capacitance; CX noise reduction; THD < 0.007% 20-20,000 Hz unwt'd; IMD SMPTE < 0.0012%; max output level 10 V 20-20,000Hz; tape output level 150 mV; input sens/imp phono 1: 2.5 mV/47k ohms 0.5 mV/100 ohms phono 2: 2.5 mV/47k ohms tuner, tape: 150 mV/100k ohms; phono input-capacitance 85 pF overload at 1,000 Hz; 290 mV; S/N 15 mV input, IHF load -85 dB phono 1, 2.5 V output: > 100 dB DAD/video tuner, tape; loudness: +3.5 dB/100 Hz; +2.5 dB/10,000 Hz; FR 20-20,000 Hz \pm 0.25 dB; crosstalk: 100 Hz, 80 dB; 1,000 Hz, 75 dB; 10,000 Hz, 60 dB; 19" W x 3" H x 12 1/2" D; shipping weight 16 lb \$375

AMBER

Model 17 Preamplifier

Full-function audiophile preamp with all controls necessary for even complex systems. Features defeatable bass and treble; 2 sets of output jacks; 2 tape loops; adjustable cartridge loading; loudness control; full mute control; 5 AC plugs; in black or silver; solid walnut side panels standard. Inputs for MM phono, MC phono, tape, 2, aux, phono 2, CD player, tuner. FR 2-150,000 Hz \pm 3 dB; max output 9 V; THD 0.005%; IMD 0.005% IHF; MM phono sens 5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 250 mV, peak; 12 lbs; 17" W x 2 1/4" H x 9" D \$699
Straight-Line. Lacks tone controls \$499

APT

HP Preamplifier

Multiple control stereo preamp. Features Tape 1 to 2 or Tape 2 to 1 dubbing, absolute output mute image control, variable phono imp, 18 dB infrasonic filter. Inputs for MM phono, MC phono, tape, 2, aux, phono 1, phono 2. CD player, tuner, external processor. FR 20-20,000 Hz \pm 0.5 dB; max output 7 V RMS (+17 dBV) max undistorted; THD 0.006% at 2.0 V RMS (+6.0 dBV); IMD 0.006% IHF; MM phono sens 1.25 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 100+ mV RMS at 1,000 Hz; sens

for line-level inputs 80 mV RMS for 0.5 V RMS output; 16.9" W x 3.1" H x 8.2" D; 10 lbs ... \$648

P205 Preamplifier

Phono-only preamp with single-ended input, balanced output (100 to 600 ohm load). Features switchable cartridge termination 50-450 μ F (in 50 pF increments); 33 μ , 47, 100, 1,000 kohms; Defeatable 18-dB infrasonic filter (for evaluation purposes); L + R output level (with switchable filter type). Switchable 8-Hz pop/scratch filter. Phono noise less than 76.8 dB re 5 mV input at 1,000 Hz, weighted with cartridge connected (-78 theoretical limit), RFI immune. Tamper-proof controls; 4-year warranty. FR 30-18,000 Hz \pm 0.2 dB; max output +26 dBV max undistorted; THD 0.06%; IMD 0.06% IHF; MM phono sens 1.25 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 125 mV; 19" W x 3.46" H x 8.2" D; 9 lbs \$425

P2 Preamplifier

Slimmed-down version of the APT Holman preamplifier. Inputs for MM phono, MC phono, tape, aux, phono 1, phono 2, CD player, tuner. FR 20-20,000 Hz \pm 0.5 dB; max output 7 V RMS undistorted; THD 0.006%; IMD 0.006% IHF; MM phono sens 1.25 mV RMS for 0.5-V RMS output at 1,000 Hz; MM phono input overload level > 100 mV at 1,000 Hz; sens for line-level inputs 80 mV RMS for 0.5 V RMS output; 16.9" W x 2.2" H x 8.2" D; 9 lbs \$417

AUDIONICS

SC-3 Preamplifier

Class A straight-line high-performance preamp. Features phono (MC and MM inputs); aux, tuner and tape monitor inputs; infrasonic filter; selectable cartridge loading; gain switch for MC input; stereo/mono switch; output mute; AC accessory outlet; volume and balance controls; gold-plated input/output jacks. Phono sens MC 0.25 mV, MM 1.5 mV; phono S/N -85 dB ref 5 mV input; source imp 50 ohms; THD and IMD < 0.01% at 5 V output; RIAA EQ \pm 0.2 dB from 20-20,000 Hz; rack mountable. 17" W x 3" H x 10" D; anthracite grey or optional black finish \$549

AUDIO RESEARCH

SP-10 Preamplifier

High-Definition[®] vacuum-tube stereo preamplifier with additional gain for use directly with MC cartridges. Inputs for MM and MC phono, tape, aux, phono 2, tuner, aux 2. Features auto muting for repeat

overload level 300 mV; line-level input sens 25 mV; input imp 50k ohms (all high level); magnetic phono, 10, 30, 100, 10k, 47k ohms (selectable). Two units 19" W x 5.25" H x 10.25" D; 49 lbs ... \$3,700

SP-8 Preampifier

High Definition® vacuum-tube stereo preamplifier with 1.5-minute warm-up timer. Inputs for MM phono, tape, aux, tuner, aux 2. Features auto muting; continuous protection against line-voltage dropouts; high-accuracy, close-tracking segmented gain control; front-panel receptacle switch for 2 relay-controlled outlets with 1,600-W capacity; isolated ground construction that floats all inputs and outputs; rejection filters for minimizing or eliminating CB, TVI, RF interference. FR 5-30,000 Hz ±0.25 dB high-level, to 40 kHz phono; max output 60 V; THD and IMD < 0.01%/0.002% at 2 V RMS; MM sens 0.5 mV for 0.5 V output at 1,000 Hz; line-level sens 25 mV; gain phono/high-level to main output 26/60 dB; input/output imp 50k/1k ohms; phono overload 900 mV; output level 2 V RMS; noise 250 µV RMS max high-level, 5 µV phono; power consumption 60 W; 19" W x 10 1/4" D x 5 1/4" H; 22 lbs ... \$1,895

MCP33 Vacuum-Tube Preampifier

Preamp for low-output MC cartridges. Features front panel gain and imp selectors. FR 20-50,000 Hz ±1 dB; max output 10 V; THD 0.005% at 100 mV; IMD 0.01% at 100 mV; 19" W x 5.25" H x 12.38" D; 14 lbs ... \$1,395

SP-7 Solid-State Preampifier

Stereo preamplifier with Analog Module™ technology. Inputs for MM phono; tape; aux; tuner; aux 2. Features manual and auto muting; close-tolerance segmented gain control; front-panel receptacle switch that operates 3 relay-controlled outlets with 1,600-W capacity; low-surge turn-on circuitry; isolated ground construction that floats all inputs and outputs; rejection filters for minimizing RFI, TVI, CB interference. FR 1-50,000 Hz ±0.25 dB high-level, 10-40,000 Hz phono; THD and IMD < 0.002% at 2 V RMS; MM sens 0.5 mV for 0.5 V output at 1,000 Hz; gain phono/high-level to main outputs 60/26 dB; input/output imp 50k/250 ohms; phono overload 500 mV at 1 kHz; output level 2 V RMS; noise high-level/phono 250/2 µV; 19" W x 8 1/2" D x 3 1/2" H; 20 lbs shipping weight ... \$995

SP-12 Vacuum-Tube Preampifier

Stereo preamp with front-panel auto and manual muting for warm-up protection, repeat settings, etc. Inputs for MM phono, tape, aux, tuner. Features front-panel power switch for activating back-chassis plug-in power receptacles; high accuracy, close-tracking, segmented gain control; auto mute. FR (high level) 5-30,000 Hz ±0.5 dB; MM phono, ±0.25 dB of RIAA 30-20,000 Hz; max output 50 V; THD 0.02%, IMD 0.07% at 2 V RMS output; MM sens 1 mV for 0.5 V output at 1,000 Hz; MM input overload level 600 mV; input imp, 50K ohms phono, 100K ohms high level; 19" W x 5.25" H x 8.9" D; 19 lbs ... \$995
RMK-1. Rack-mount kit for SP-12 ... \$150
AMK-1. Auto mute kit for SP-12 ... \$99
SP-12RM. Similar to SP-12; includes AMK-1 and RMK-1 ... \$1,195

Wood Cabinet

Wood cabinet for Audio Research® components.
OC-4. Light oak ... \$125
WC-4. Walnut ... \$125

BEDINI ELECTRONICS

2010 AVC Preampifier

Preamp with battery-operated power supply. Features settings, etc.; power switch for 1,600 W capacity power receptacles; selectable front panel imp matching for optimizing MC and MM cartridge performance; gain selection for matching cartridges; bypass switch defeats most functions for optimum performance. FR (high level, ±0.25 dB) 5-30,000 Hz; magnetic phono, ±0.25 dB of RIAA, 30-40,000 Hz; max output 60 V; THD 0.01% and IMD 0.002% at 2 V RMS out; MM sens 0.125 mV of 0.5 V output at 1,000 Hz; MM

pre-level left and right balance control; master gain control; optional CD amp available. Inputs for tape, tape 2, aux, CD player, VHS, Beta, TV mono. Max output 10 V; THD 0.15%; IMD .01% IHF; sens for line-level inputs 500 mV; modular construction. \$2,000

6677 Preampifier

Dual-mono preamp with inputs for tape, tape 2, aux, phono 2. Max output 10 V; THD 0.1%; IMD 0.15%; 11" W x 5" H x 7" D; 12 lb ... \$850

66 MKII Preampifier

Preamp with inputs for tape, aux. Max output 10 V; THD 0.15%; IMD .22% IHF; 11" W x 2 1/2" H x 7" D; 6 lbs ... \$460
Battery supply. ... \$350

66 Preampifier

Stereo preamp with inputs for tape, aux. Max output 10 V; THD 0.015%; IMD 0.22%; 11" W x 2 1/2" H x 7" D; 6 lb ... \$325

BELLES RESEARCH

DMC Preampifier

Solid-state preamp with discrete component circuitry and Class A stages. Features Infrasonic filter and mute switch; inputs for MC and MM cartridges; 20-dB muting. Allows listening to 1 source while recording another. RIAA accuracy 20-20,000 ±0.1 dB; FR 20-20,000 Hz ±0.5 dB; sens rated to 0.5-mV output 0.125 mV MC, 1.25 mV MM; S/N MC rated to 0.5 mV 80 dB; max out 9 V continuous; input imp adjust-

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In a vote of audio critics and retailers, Perreaux was awarded the Hi Fi Grand Prix for "its Mercedes-like construction."

Audio/Video Magazine, USA

"Peter Perreaux's masterpiece is as smooth and velvety in sound as its graceful front panel is in finish."

Hi Fi & Electronik Magazine, Denmark

"Perreaux electronics have all the appearance and finish of the finest Swiss machinery."

Revue du Son Magazine, France

"The Perreaux has the talent for making music become a physical entity within the room."

Hi Fi For Pleasure Magazine, England

"... due to Perreaux's verifiable quality, it is likely to be the best value purchase in audio."

Son Hi Fi Magazine, Canada

The world renowned quality of Perreaux



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Amplifiers, Preamplifiers, Tuners

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able 0-47,000 ohms; THD and IMD 0.002%; treble controls ± 8 dB at 20,000 Hz, ± 6 dB at 10,000 Hz; bass controls ± 9 at 20 Hz, ± 4.5 dB at 200 Hz; switchable infrasonic filter cuts 3 dB at 20 Hz. 19" \times 2.25" \times 7.5"; 7 lbs. \$475
DMM. Similar to DMC except no MC input \$350
Light Red Oak Case. For DMC or DMM \$65

BERNING

TF-10 AH Preamplifier

Stereo tube-FET hybrid preamp with low coloration, two sets of individually buffered tape outs, remote control mute, full recording facilities, switching power supply, passive phono EQ (RIAA 20-20,000 Hz ± 0.25 dB). Inputs for MM phono, MC phono, tape, tape 2, aux, aux 2, phono 2, phono 3, tuner. FR 10-100,000 Hz ± 0.5 dB; max output 8 V; total distortion 0.5%; MM phono sens 1.2 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 250 mV, sens for line-level inputs 100 mV; 19" W \times 3 $\frac{1}{2}$ " H \times 12" D; 12 lbs. \$2,095
TF-10 A. As above except no MC input \$1,845

B & K COMPONENTS LTD.

Pro-10MC Preamplifier

Preamp with built-in MC stage. Inputs for MM phono, MC phono, tape, aux, CD player. FR 10-100 Hz ± 0.5 dB; max output 6 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 100 mV, sens for line-level inputs 45 mV; 19" W \times 3 $\frac{1}{2}$ " H \times 9" D; 12 lbs. \$550

Pro-10 Preamplifier

Preamp with separate power supply and gold-plated connectors for positive contact and reliability. Inputs for MM phono, tape, aux, CD player. FR 10-100,000 Hz ± 0.5 dB; max output 6 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 45 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 100 mV, sens for line-level inputs 45 mV; 19" W \times 3 $\frac{1}{2}$ " H \times 9" D; 12 lbs. \$440

BRYSTON

1 B Preamplifier

Low-level, low-noise preamp designed for maximum musical accuracy. Features open-loop linearity circuit; noise-free, voltage-stabilized power supplies; defeatable 6 dB/octave at 30 Hz rumble filter; phono 1 and 2, tape 1 and 2, CD, tuner selector; stereo/mono switch; balance, volume controls. Gain 50 dB phono, 20 dB line; noise -80 dB at 5 mV input, 1 kHz unwt'd; distortion 0.005%; 20-20,000 Hz through phono stage at 5 V output \$875
1 B-MC. Similar to 1 B preamp with inputs for MC, MM phono; tape 2; CD; tuner \$1,300

.5B Preamplifier

Basic preamp with inputs for MM phono, tape, CD player, tuner. FR 20-20,000 Hz ± 0.1 dB; max output 4 V; THD 0.005%; IMD 0.005% IHF; 19" W \times 1.75" H \times 9" D; 9 lbs. \$600

CAMBRIDGE AUDIO

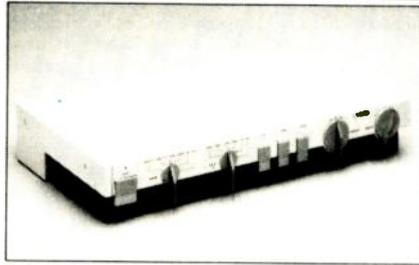
C75 Preamplifier

Inputs for MM/MC phono (switchable), tape, tape 2. Features dubbing capabilities; straight-line design; solid wood end panels. FR flat within 0.1 db 20-80,000 Hz; THD 0.005% 20-20,000 Hz; max output 12 V; mm input 2.6 mV at 47 kohms; MC input 0.3 mV at 47 kohms; S/N MM 82 dB, line 96 dB. 17 $\frac{1}{2}$ " W \times 2 $\frac{1}{2}$ " H \times 11" D; 12 lbs. \$449

CANTON

EC-P1 Preamplifier

Preamp for direct drive of active speakers and subwoofers. Features tape dubbing and recording of independent of program output; phono input with EQ; separate output for Canton active speakers. Inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 7-2 MHz; max output 12 V; THD



0.002%; MM phono sens 2 mV for 0.5 V output at 1,000 Hz. 17.1" W \times 2.76" H \times 9.45" D; 4 kg \$1,500

CARVER

C-4000 Sonic Holography Preamplifier

Preamp includes Sonic Hologram Generator™ designed to recreate 3-dimensional sound field present during original recording and to locate musical instruments precisely in space. Features MC preamp; 3-channel time-delay system with 40 W combined amplifier, user-selectable 35/50-m/sec initial delay with variable echo density; third-generation Auto Correlator noise-reduction system, Peak Unlimiter; separate left and right bass and treble controls with turn-over frequency switches, tone defeat; cartridge matching; 2-way tape dubbing, monitoring; external signal processor input; infrasonic filter. FR ± 0.25 dB 20-20,000 Hz phono RIAA, 5-200,000 Hz -1 dB high level; input sens 0.85 mV phono, 50 mV high level; phono overload 150 mV at 1 kHz; phono gain 35 dB; NR 20 dB (20-200 Hz), 10 dB (2,000-20,000 Hz); Sonic Hologram™ image resolution 5° horizontally, 20° vertically; Peak Unlimiter total dynamic-range recovery 6 dB; time delay 50 msec max; distortion 0.2%; bandwidth 20-10,000 Hz, feedforward to 19 kHz. 19" W \times 8" D \times 6 $\frac{1}{4}$ " H \$1,099

C-1 Sonic Holography Preamplifier

Features Sonic Hologram™ dimensional sound imager; separate left and right bass and treble tone controls, tone defeat; MC phono input; 18 dB/octave infrasonic filter; tape/source monitor with 2-way tape-dubbing; provision for external processor. FR ± 0.25 dB extended curve phono RIAA, 5-200,000 Hz high level; THD 0.05%; phono overload 150 mV at 1 kHz, 1,500 mV at 20 kHz; image resolution 5° horizontal, 20° vertical \$549

C-2 MM/MC Preamplifier

Preamp features switchable phono input for MM or MC cartridges; infrasonic filter (18 dB/octave below 20 Hz); bass and treble controls; tone control bypass; 2 tape inputs; provision for 2-way dubbing; aux input; external processor loop; mode switch; rear-panel jack for high-level gain (choice of 15 or 25 dB); anodized aluminum front panel finished in dark pewter. FR -3 dB at 3 Hz and 80 kHz (infrasonic filter out); noise 77 dB MC, 83 dB MM; THD 0.05%; output imp 600 ohms; TIM immeasurable; 17.3" W \times 9" D \times 2.55" H \$375

CLASSE AUDIO

NIL-2 Preamplifier

Line-powered preamp with self-adjusting input impedance and fully regulated, dual power supply, remote. Input for MC phono. FR 10-50,000 Hz ± 0.05 dB; max output 0.05 V; main unit: 8" W \times 4" H \times 12" D, power supply: 9" W \times 3" H \times 16" D; 50 lbs. \$1,095

CONRAD-JOHNSON

Premier Three Preamplifier

Vacuum-tube preamp constructed with low-noise precision metal-film resistors, polystyrene capacitors in audio circuitry. Features facilities for 2 tape recorders, 2-way dubbing, phono, tuner, aux inputs, 2 amp outputs; front-panel mute control. FR 20-20,000 Hz ± 0.25 dB phono; S/N 70 dB below 10 mV phono, 84 dB below 2.5 V output high level; THD and IMD

0.05%; gain 40 dB phono, 29 dB high level; max output 25 V; phono overload 500 mV at 1 kHz; 14" W \times 11 $\frac{1}{4}$ " D \times 4 $\frac{1}{4}$ " H \$2,850

PV5 Vacuum-Tube Preamplifier

Vacuum-tube preamp with cathode follower outputs and solid-state voltage regulator designed for minimal AC imp; regulated filament supplies virtually eliminate infrasonic noise resulting from AC line fluctuations. Features 1% tolerance mil-spec deposited tin-oxide audio circuit resistors; audio circuit capacitors are polystyrene dielectric; tracks within 0.5 dB volume control; auto muting at turn-on, turn-off; 2 tape recorder loops with 2-way dubbing; 5-function mode switch; precision tracking volume control. Max output 40 V RMS; FR 2->100,000 Hz; <0.5% THD and IMD; hum and noise 20-20,000 Hz, phono 72 dB below 10 mV input, high level 84 dB below 2.5 V output; output imp <200 ohms; 16" W \times 10" H \times 3 $\frac{1}{4}$ " D; 15 lbs. \$1,485

PV6 Vacuum-Tube Preamplifier

Vacuum-tube stereo preamp features low-noise metal film resistors, polypropylene and polystyrene capacitors in audio circuitry, 2-deck tape monitoring with one-way dubbing; input selector for phono, tuner, tape, aux; reverse/stereo/mono mode selector; 2 amp outputs. FR 20-20,000 Hz ± 0.25 dB phono; S/N 70 dB below 10 mV in phono, 84 dB below 2.5 V out high-level; THD and IMD 0.05%; gain 35 dB phono, 28 dB high-level; max output 25 V; phono overload 500 mV at kHz; 14" W \times 11 $\frac{1}{4}$ " D \times 4 $\frac{1}{4}$ " H \$850

PV4 Basic Preamplifier

Basic preamp with simple vacuum-tube circuitry. FR 20-20,000 Hz ± 0.25 dB phono RIAA; S/N 70 dB below 10 mV phono, 84 dB below 2.5 V high-level output; THD and IMD 0.05%; gain 34 dB phono, 18 dB high-level; max output 10 V; phono overload 400 mV at 1 kHz; 10 $\frac{1}{2}$ " W \times 7" D \times 3 $\frac{1}{4}$ " H \$485

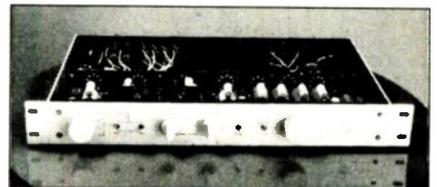
PV3k Kit Preamplifier

Basic preamp in kit form with simple vacuum-tube circuitry. FR 20-20,000 Hz ± 0.5 dB phono RIAA; S/N 70 dB below 10 mV phono, 84 dB below 2.5 V high-level output; THD and IMD 0.05%; gain 34 dB phono, 24 dB high-level; max output 10 V; phono overload 400 mV at 1 kHz; 10 $\frac{1}{2}$ " W \times 7" D \times 3 $\frac{1}{4}$ " H \$299

COUNTERPOINT

SA-5 Preamplifier

Preamp with inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 0.5-88,000 Hz ± 0.1 dB; max output 70 V; THD 0.08%; IMD 0.08%



IHF; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 700 mV; 19" W \times 2 $\frac{1}{32}$ " H \times 17 $\frac{1}{32}$ " D; 24 lbs. \$1,795

SA-3 Preamplifier

Preamp with inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 2.5-30,000 Hz ± 0.1 dB; max output 70 V; THD 0.18%; IMD 0.18% IHF; MM phono sens 2.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 800 mV; 19" W \times 2 $\frac{1}{32}$ " H \times 17 $\frac{1}{32}$ " D; 18 lbs. \$995

SA-2 Preamplifier

Preamp with inputs for MC phono. FR 0.5-350,000 Hz; max output 38 V; 19" W \times 2 $\frac{1}{32}$ " H \times 17 $\frac{1}{32}$ " D; 18 lbs. \$995

SA-7 Preamplifier

Preamp with inputs for MM phono, MC phono, tape, CD player, tuner. FR 2-30,000 Hz ± 0.1 dB; max output 30 V; THD 0.25%; IMD 0.3% IHF; MM phono sens 0.8 mV for 0.5-V output at 1,000 Hz; MM phono

no input overload level 500 mV; 19" W x 2.23" H x 7.1" D; 13 lbs \$595

SA-6 Preamp

Preamp with inputs for MC phono. FR 1-30,000 Hz; max output 30 V; THD 0.06%; IMD 0.07% IHF; 19" W x 2 1/2" H x 7 1/4" D; 10 lbs \$450

CROWN

DL-2 Control Center/Preamp

3-piece stereo control preamp: switching Module with all controls, power supply, phono module A (phono preamp stage for placement at turntable). Switching Module features digital control-setting displays, digital interface for wireless remote-control system, 8 dual-ch touch-button selectable inputs, 2 for external signal processors, mixable input. FR 1-100,000 Hz \pm 0.5 dB; max output 11 V RMS before overload; hum and noise 97 dB below rated output, unwt'd, 101 dB A-wtd; max THD and IMD 0.0003% below 10-V output, 20-20,000 Hz; input gain/imp (3 circuit, 1/4" jack) 178 V RMS max/1 ohm min, 10-50,000 Hz \pm 0.1 dB at rated output; 63.5 dB dynamic range (displayed with 7-segment LEDs); frequency adjust controls set at 20, 40, 80, 400, 800, 1.6k, 5k, 10k, 20k Hz; 18 dB/octave roll-off; 31-position switched attenuators for \pm 0.2 dB adjustment over 50-dB range; 17" W x 7 1/2" D x 3 1/2" H. Phono Module A: FR 20-20,000 Hz \pm 0.25 dB RIAA, 10-30,000 Hz \pm 0.1 dB flat; hum and noise -88 dB RIAA unwt'd, -94 dB RIAA A-wtd, -84 dB flat unwt'd, -89 dB flat A-wtd; IM/THD 0.0005%/0.02% min, 20-20,000 Hz at rated output; input gain 30-50 dB, 2.5 V, 1 kHz; input imp 47k/100k ohms; output level/imp 11 V RMS max/600 ohms; 6 3/4" D x 3 1/2" H x 1 3/4" D. Switching Module and power supply have satinized aluminum front panel with charcoal Lexan inlay, other surfaces black anodized; Phono Module A has black anodized steel finish \$2,999

Straight-Line Two Preamp

Straight-wire-signal-path preamp with auto muting. Features tuner, phono, aux 1, aux 2, tape 1, tape 2, processor signal/source selector; 6 outputs, including headphone monitor; detented level, loudness, 10-dB boost/cut detented bass and treble, tape-copy, tape-monitor, balance, mode, low-frequency filter, phono-level controls; rumble, signal-present, overload, tone-activated indicators; 1 3/4" H front panel \$595

DB SYSTEMS

DBR-15B & 2A Preamp

Rack-mount precision preamp and tone control with power supply; combines DB-1B, DB-5 in a 19" rack unit. Auxiliary cable included \$935
With oak cabinet \$1,085

DB-1A & 2A Preamp

Stereo preamp with separate DB-2A regulated power supply. THD < 0.0008%, 20-20,000 Hz; IMD < 0.001%; FR phono 10-40,000 Hz \pm 0.07 dB, high-level 2-50,000 Hz \pm 0, -1 dB; S/N A-wtd 89 dB phono, 90 dB line; filters: low-cut flat, 20 Hz, 36 Hz at 6 dB/octave phono only, high-cut flat, 5 kHz, 10,000 Hz at 6 dB/octave; output imp 1k ohms; max output voltage 6 V into 10k ohms/3,000 pF; input sens for 1 V output: phono 2 mV into 50,000 ohms/100 pF, high-level 120 mV into 50k ohms; 8.5" x 7" x 3.2" \$495

DB-1B & 2A Preamp (refined). DB-1A with low-noise high-level stage (-94 dB ref 1 V), reduced crosstalk, tight tracking volume control, all gold-plated jacks and solid oak cabinet with hand-rubbed tung-oil finish. 12" W x 3.6" H x 7" D \$650
DBR-1A. Same as DB-1A except mounted on 19" rack; includes DB-2 A power supply \$535

DENNESEN ELECTROSTATIC

JC-80 Preamp

Dual mono, All FET, DC coupled, fully complementary, push-pull, A preamp. Features no interstage coupling caps, feedback input stage, virtually unswearable, passive RIAA, each stage separately regulated. Complete-

ly mono, invertable phase. MM phono, MC phono, tape 1, tape 2. Aux. FR 1-15,000 Hz \pm 0.1 dB; max output 20 V; THD 0.005%; IMD 0.005%; MM phono sens variable mV for 0.5 output at 1,000 Hz; MM phono input overload level 350 mV; 19" W x 1 3/4" H x 12 D; 10 lbs \$1,750/ea

Sirius Preamp

Full-featured straight line preamp with split passive RIAA and FET input. Inputs for MM phono, tape, tape 2, Aux. FR 5-100,000 Hz \pm 0.1 dB; max output 10 V; THD 0.01%; IMD 0.01%; MM phono sens 2.5 mV of 0.5 V output at 1,000 Hz; MM phono input overload level 200 mV; sens for line level inputs 125 mV. 19" W x 2" H x 8" D; 7 lbs \$489
Sirius II. Dual mono; external power supply \$650

DENON

PRA-2000Z Preamp—on Front Cover

Inputs for 2 MC phonos, 1 MM phono, tape, tape 2, aux, tuner, CD. Equalizer Amplifier: input sens/imp phono-1 MC 0.1 mV/40 ohms, phono-2 MC 0.12 mV/100 ohms, phono-3 MM 2.5 mV/47 kohms; max input level phono-1 MC 20 mV (1,000 Hz), phono-2 MC 24 mV (1,000 Hz), phono-3 MM 500 mV (1,000 Hz); THD phono-1 < 0.001% 1,000 Hz 20 V output, phono 2&3 < 0.0015% 20-20,000 Hz 3 V; S/N A-wtd phono-1 MC 80 dB at 0.25 mV input, phono-2 MC 75 dB at 0.25 mV input, phono-3 MM 90 dB at 2.5 mV input; sep 20 Hz 1,000 Hz 80 dB, 20,000 Hz 70 Hz. Flat Amplifier: input sens/imp 150 mV/47 kohms; THD < 0.0015% (20-20,000 Hz, 4 V output); FR 1-300,000 Hz \pm 0, -3 dB; S/N A-wtd 105 dB; sep 20 Hz 100 dB, 1,000 Hz 75 dB \$1,300

PRA-1000 II Preamp

Black Class A non-NFB preamp with bass/treble/center tone defeat. Features separate rec out; tape monitor for 2 decks; side panels standard. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner. FR 2-300,000 Hz \pm 3 dB; max output 20 V; THD 0.001%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 320 mV; sens for line-level inputs 150 mV \$495

HAFLER

DH-110 Discrete Preamp

Preamp operates all discrete devices (no integrated circuits in signal path) in full complementary symmetry format. Controls: volume, balance, bass, treble, input selector, phono selector, monitor selector, mono/stereo, filter, external processor loop, tone control engage. Features rack-mounting capability; single active circuit board; step-action volume control; switchable h gh-pass filter; integral muting circuit; 2 pairs of audio outputs; low-imp power supply; full power bandwidth to 200,000 Hz; 2 phono, tuner, aux, 2 tape deck, EPL inputs; 2 tape (buffered), 2 line, EPL outputs; headphone jack. THD < 0.0006% at 1,000 Hz, 3 V RMS; FR 20-20,000 Hz \pm 0.25 dB; S/N weighted 87 dB; rated output 3 V RMS, 4-210,000 Hz; THD < 0.001% 20-20,000 Hz; 17" W x 3" H x 8 1/2" D, 10 lbs. Assembled \$440
Kit \$360

DH-100 Preamp

"No frills" preamp with Super Accurate RIAA EQ utilizing 1% tolerance components; low-imp power supply; delay circuit; sufficient line output. Inputs for MM phono, tape, aux, tuner. Features volume, balance, treble, bass, tape monitor, power controls; 2 switched outlets. FR 20-20,000 Hz \pm 0.25 dB; max output 8 V; THD < 0.005%; IMD below residual noise of current test instruments; MM phono sens 12 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 180 mV, 13 1/2" W x 3" H x 10" D; 7 lbs. Assembled \$225
Kit \$175

HARMAN KARDON

HK825 Preamp

Stereo preamp with dual-RIAA EQ circuitry; low-noise

ETs in low-level and high-level input stages; MC head amp; capacitance trim; switchable bass and treble turnover frequencies; tone defeat; 2-deck tape monitor; 2-way tape dubbing; loudness; subsonic and high-cut filters; aux, DAD, tuner, and phono input selectors. Input sens/imp: phono MM 22 mV/47k ohms/135 pF, phono MC 150 μ V/100 ohms, aux, tape 135 mV/25 ohms; phono overload 200 mV MM/12 mV MC, FR (aux, 1.0 V) 0.1-180,000 Hz \pm 0, -3 dB; RIAA accuracy \pm 0.2 dB; S/N phono MM-83 dB, phono MC -80 dB, aux, tape 92 dB; slew rate 120 V/ μ sec: THD (aux 1 V) 0.05%; turnover frequencies 100 Hz/400 Hz, 2 kHz/6 kHz. 17 1/8" W x 4" H x 14 1/2" D \$425

HEYBROOK by D'ASCANIO AUDIO

Heybrook C-2 Preamp

Solid-state preamp with gold-plated input and output jacks, 2 preamp outputs. Inputs for MM phono, MC phono, tape, aux, aux 2, phono 2, tuner. FR 20-20,000 Hz; max output 9 V; THD 0.01%; IMD 0.01%; 240 mm W x 300 mm D x 85 mm H; 16lbs \$595

HITACHI

HCA 8500 MkII Preamp

Preamp with inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 20-20,000 Hz \pm 2 dB; max output 1 V; THD 0.005%; IMD 0.005%; MM phono sens 2.5 mV for 0.5-V output at 1,000 Hz; 17 1/8" W x 3 1/4" H x 11 1/2" D; 10 lbs; 4.5 kg \$370

JVC

PL10 Precision Control Preamp

Features Gm processor; ultra-high sensibility head amp. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, tuner. THD 0.002%; MM phono sens 2.5 mV for 0.15 V output (rec out) at 1,000 Hz; MM phono input overload level 300 mV; sens for line-level inputs 150 mV. 18 1/8" W x 5 1/16" H x 16 1/16" D; 26.4 lbs \$1650

KENWOOD

Basic C1 Control Amplifier

Hi-speed basic control amplifier. Features MM or MC phono cartridge selection; low phono S/N ratios; continuously variable loudness control; two tape monitors; dubbing tape A to B; infrasonic filter; Compact Disc player input. 12 lbs \$225

Basic C2 Stereo Control Amplifier

Preamp with 2-step MM and 3-step MC inputs. Features independent Compact Disc and tape 2 inputs with bidirectional dubbing; low-distortion tone control circuit with bass/treble turnover switch (bass turnover 200/400 Hz, treble 3,000/6,000 Hz, both 12 dB/octave); subsonic filter; headphone jack with level control; mode switch for stereo/mono. FR 1-300,000 Hz \pm 0.3 dB aux, 20-20,000 Hz MM/MC; THD 0.002% aux, 0.002% MM/MC; input sens MM 2.5 mV, MC 0.2 mV, aux 150 mV; S/N aux 110 dB; MM 87 dB; 17 1/8" W x 2 1/16" H x 11 1/16" D \$295

KINERGETICS

KPA-1 Hysteresis-Free Preamp

Preamp designed to provide amplification free of hysteresis distortion. Features low-noise MC input stage; hysteresis distortion correction circuitry at input stages for flux-change cartridges and for tape decks; absolute phase reversal switch; adjustable phono-input imp and capacitance. Slew rate > 20 V/sec; 2 tape and processor loops; gain 60 dB; 17" W x 14" D x 2.5" H; 20 lbs. Clear or black anodized brushed aluminum faceplates \$795

KLYNE AUDIO ARTS

SK-5 Preamp

Full-function stereo preamp with ultra low distortion and high resolution design. Features control to invert absolute phase; balanced differential outputs. In-

puts for tuner; CD/aux; tape; phono (either MC or MM). Bandwidth 0.5-250,000 Hz; gain MC section 22034 dB, phono section 40 dB at 1,000 Hz, line section 12-24 dB; output imp 300 ohms; input imp phono 0-47,000 Hz, line 100,000 Hz. 2.5" W x 19" H x 12.5" D; 12 lbs \$2795
SK-4. Straight line version. Same as SK-5 but without line amps, phase inversion switch and mode switch \$2,150

KYOCERA

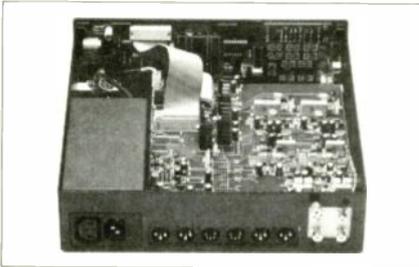
C-910 Preamplifier

Control preamp with input and output level controls. Features complete DC configuration, cutless core power transformer, single stage push-pull amplification. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner/aux 2. FR DC-400,000 Hz \pm 3 dB; max outputs 2 V at rated inputs; THD 0.003%; MM phono sens 2.2 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 300 mV; sens for line-level inputs 125 mV; 17" W x 5 3/4" H x 13" D; 22 lbs \$1,200

LINN SONDEK
 by **AUDIOPHILE SYSTEMS**

LK1 Remote-Controlled Preamp

remote controlled microprocessor preamp. Features remote control; independently adjustable input level matching; keyboard lockout; all switching and level



adjustments electronic on board. Inputs for MM phono; MC phono; tape; tape 2; aux; tuner. 10 1/2" W x 3" H x 10 1/2" D; 9 lbs \$650

LUXMAN

C-05 Preamplifier

Duo-Beta/S class A preamp. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner. FR 2-100,000 Hz \pm 0.5 dB; max output 18 V; THD 0.005%; 18 1/4" W x 5 1/4" H x 17 1/16" D; 24.3 lbs \$1,800

C-02 Preamplifier

Duo-Beta/S preamp. Inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 10-100,000 Hz \pm 1 dB; max output 18 V/100 ohms; THD 0.005%, 0.007% MC; 17 1/16" W x 3 1/4" H x 12 1/2" D; 15.4 lbs \$500

MARK LEVINSON

ML-6A Preamplifiers

Monophonic modular preamps housed in individual chassis with separate power supplies offering only essential control functions and connection capabilities. Utilizes L-series open-frame plug-in modules. All audio circuitry completely discrete and operates in Class-A mode. In each chassis is one L1 line amplifier and one phono amp module to accommodate any cartridge. L1 provides up to 26 dB of gain with typical distortion of 0.003% THD and 0.002% IMD and typical S/N of 100 dB (unwtd below a 2 V reference). L2 phono module offers selectable gain of 38 or 44 dB. L3 and L3A modules offer 67 and 55 dB of gain respectively. All 3 phono modules have <0.008% THD and 0.005% IMD. PLS-154 power supply maintains load regulation of 0.05% and has a wideband noise output of 18 μ V. ML-6A features Camac connectors for all input and output connections; gold-plated cartridge-loading sockets on main circuit board and internal switches to select 10, 20, or 26 dB of

line gain. Hand-brushed black anodized finish. ML-6A: 2 1/4" H x 19" W x 8" D. PLS-154: 4 3/4" H x 4" W x 10 1/4" D. 12 lbs. With L2 \$6,320/pr
 With L3 or L3A \$6,890/pr

ML-7 Discrete Preamplifier

Versatile stereo preamp offering connection capability for 5 line-level sources, monitor facilities for 2 tape decks, and several plug-in phono systems to accommodate virtually any cartridge. Utilizes L-series open frame plug-in modules. All audio circuitry is completely discrete and operates in Class-A mode. Fitted with two L1 line amps and two (L2, L3 or L3A) phono modules. PLS-154 power supply maintains load regulation of 0.05% and has a wideband noise output of 18 μ V. An external 5-pin self-locking connector parallels. Features Camac phono inputs for cartridge loading; switch selects either 10 or 20 dB of line gain. L1 provides up to 26 dB of gain, with typical distortion specs of 0.003% THD and 0.002% IMD, and typical S/N of 100 dB unwtd below a 2 V reference. The L2 phono module offers selectable gain of 38 or 44 dB. L3 and L3A modules offer 67 and 55 dB of gain respectively; <0.008% THD and 0.005% IMD for all three phono modules. Hand-brushed black anodized finish. ML-7: 2 1/4" H x 19" W x 10 1/4" D; PLS-154: 4 3/4" H x 4" W x 10 1/4" D; 14 lbs. With L2 \$4,595
 With L3 or L3A \$5,165

ML-10A Class A Preamplifier

Stereo preamp incorporating a simplified version of the L-series circuitry in a single circuit board configuration. All audio circuitry is completely discrete and operates in Class A. Connection capability for 2 line-level sources, monitor facilities for 1 tape machine, and universal phono section that will accept virtually any cartridge. Features Camac input and output connectors. Line section provides up to 22 dB of gain with typical distortion of 0.004% THD and 0.004% IMD and typical S/N of 95 dB unwtd below a 2 V reference. Phono section offers selectable gain of 42, 53 or 63 dB. Six internal switches and gold-plated loading sockets allow infinite cartridge-loading capability. Typical distortion for phono circuit are 0.014% THD and 0.005% IMD and S/N typically \pm 72 dB. Features internal power supply with a high-speed push-pull regulator; biased for Class-A operation; capable of maintaining load regulation of 0.05% and has a wideband noise output of 23 V; switch selects either 7 or 17 dB of line gain. Hand-brushed black anodized finish. 2 1/4" H x 19" W x 10 1/4" D; 8 lbs \$2,960

ML-12A Preamplifier

Stereo preamp for use with ML-11 power amp, or with any quality power amp if used with PLS-124 power supply (see below). Inputs for MM phono, MC phono, tape, aux, tuner. Universal phono section accepts any cartridge, with selectable gain of 42, 53, or 63 dB and gold-plated sockets for precise cartridge loading. Line-level section has selectable gain of 4, 9, 13, or 17 dB to match amps, speakers, and sources. Gold-plated Camac connectors for inputs and outputs and separate level controls for each section. Hand-engraved black anodized front panel. Phono S/N \pm 75 dB unweighted at 63 dB gain; THD 0.006% and IMD 0.004% SMPTE at 6 V output; signal-to-noise ratio \pm 92 dB below 1 V reference; 19" W x 9.75" D x 2.25 H \$1,415
PLS-124. Optional power supply with separate rectification and filtering for each channel. Ripple 40 mV before regulation in ML-12A. 7.25" W x 2.25" H x 8.62" D \$400

McLAREN AUDIO by AUDIOQUEST

402 Stereo Preamplifier

Preamp with inputs for MC phono and MM phono. Features 2-stage RIAA EQ; passive high-frequency followed by active low-frequency EQ; 2 tapping circuits with full monitoring and copying; output muting relay; toroidal power transformer; gold-plated phono sockets. FR 20-20,000 Hz \pm 0.2 dB for phono 1 & 2, 10-150,000 Hz \pm 0, \pm 1 dB for tuner and tape 1 & 2; total harmonic distortion <0.015%; 16.5" W x 3.6" H x 10" D \$1,250

602 Stereo Preamplifier

Preamp with inputs for MM phono, MC phono, tape, and tuner/aux. Features adjustable phono gain; user-selectable phono loading; 2-stage RIAA EQ; output muting relay; toroidal power transformer; stage isolation by individual voltage regulators. FR 20-20,000 Hz \pm 0.2 dB for phono; 10-150,000 Hz \pm 0, \pm 1 dB for tuner and tape; imp 100 ohms; THD <0.015%; 16.5" W x 3.6" H x 10" D \$850

MISSION

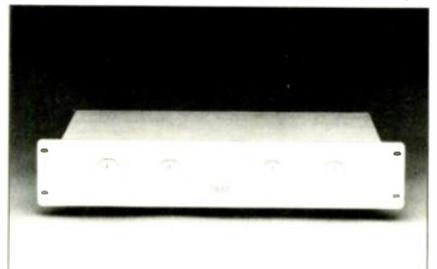
Model 776 Preamplifier

Stereo preamp with power derived from rechargeable, sealed heavy-duty batteries that eliminate line-induced hum, provide very low imp, excellent interchannel power supply rejection. Designed around 2 identical channels consisting of phono and line sections. Input sens 2 mV phono, 100 mV line for 1 V RMS output; phono overload 150 mV at 1 kHz; output level nominal/max 1 V rms/10 V peak; input imp 47k ohms/150 pF; output imp 250 ohms/4.7 μ F; S/N phono/line 80/95 dB; hum 100 dB below rated output; THD/IMD/TIM <0.05%/<0.05%/0; FR 20-20,000 Hz \pm 0.2 dB phono, \pm 0.1 dB line ... \$999

MOTIF by CONRAD JOHNSON

Motif MC7 Preamplifier

Dual monaural all-FET preamp with remote power supply. Features precision-matched FETs for channel-to-channel balance; exclusive use of polystyrene capacitors throughout audio circuits and power supply regulators. Inputs for MM phono, MC phono, tape,



tuner. FR 5-100,000 Hz \pm 0.5 dB; max output 10 V; THD 0.1%; IMD 0.1% IHF; MM phono sens 0.35 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 150 mV, sens for line-level inputs 50 mV; 482 mm W x 88 mm H x 267 mm D; 15 lbs \$3,500

NAD

1155 Preamplifier

Stereo preamp with high-resolution phono preamp. Features bass EQ circuit; overload-proof line-level circuits; buffered tape outputs; second high-current output stage. Inputs for MM phono, MC phono, tape, tape 2, CD player, tuner. FR 20-20,000 Hz \pm 0.3 dB; max output 6 V into 1,000 Hz load; THD <0.02%; IMD <0.02% IHF; MM phono sens 1.2 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 200 mV @ 1,000 Hz, sens for line-level inputs 80 mV for 0.5 V out; 16.5" W x 3" H x 10.7" D; 91 lbs, 2 oz \$298

1130 Preamplifier

Stereo preamp with discrete transistor phono preamp and bass EQ circuit. Inputs for MM phono, MC phono, tape, aux, CD player, video. FR 20-20,000 Hz \pm 0.5 dB; max output 8 V; THD 0.04%; IMD 0.04% IHF; MM phono sens 0.45 mV for 1 W output at 1,000 Hz; MM phono input overload level 170 mV at 1,000 Hz, sens for line-level inputs 26 mV for 1 W out . \$178

NAKAMICHI

CA-5 Control Amplifier

Control amp with min controls. Features 2 power outputs (2 amps); 2 tape inputs; hand-selected components. Inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 1.5-100,000 Hz \pm 0, \pm 3 dB; max output 16 V; THD <0.002%; MM phono

sens 0.6 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 170 mV, sens for line-level inputs 50 mV; 17 $\frac{1}{4}$ " W x 2 $\frac{1}{2}$ " H x 11 $\frac{1}{4}$ " D; 8 lbs, 3 oz \$650

NAIM by AUDIOPHILE SYSTEMS

NAC 32 Preamplifier

Inputs for MM, MC cartridges, tuner, 2 tape; volume, balance controls; mode switch; normal, mute, tape monitor switch. Input sens 2.0 mV MM, 0.1 mV MC, 75 mV high-level; phono overload 200 mV MM, 10 mV MC; FR 20-20,000 Hz ± 0.5 dB; THD and IMD 0.02%; 12" D x 8" W x 3" H \$695

NAC 42 Preamplifier

Inputs for MM, MC cartridges, tape, tuner. FR 20-20,000 Hz ± 0.5 dB; THD and IM 0.02%, sens 0.1 mV MC phono/2.0 mV MM phono, 75 mV high-level; phono overload 10 mV MC, 200 mV MM; 3" H x 8" W x 12" D; 6 lbs \$395

NIKKO

B-50H Preamplifier

Stereo preamp with dual input selectors for mix-down balancing. Inputs for MM phono, MC phono, tape, tape 2, aux, CD player. FR 20-20,000 Hz; THD 0.006%; IMD 0.004% IHF; MM phono sens 2.5 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 150 mV; 11 lbs \$470

B-30 Preamplifier

Inputs for MM phono, MC phono, tape, tape 2, aux. FR 10-20,000 Hz ± 0 , -1 dB; max output 1 V; THD 0.004%; IMD 0.004%; MM phono sens 2.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 200 mV, sens for line-level inputs 150 mV; 19" W x 2.8" H x 10.1" D; 8.4 lbs \$320

NOVA

CPA-100 Preamplifiers

All discreet, all JFET preamplifier with option for MC amp. Inputs for MM, MC phono; tape; aux; phono 2; CD player. Max output 12 V; THD 0.01%; IMD 0.01%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 250 mV; line level sens 98 mV; 19" W x 4" H x 9 $\frac{1}{2}$ " D; 14 lbs \$1,995

ONKYO

P-3060R MM/MC Preamplifier

Stereo preamp with dual Super-Servo, variable-gain equalizers for use with MM and MC phono cartridges. Features direct bus-bar feeder power supply for transient, dynamic distortion elimination; all passive tone controls. FR 0.8-17,000 Hz ± 0.2 dB; THD high-level/MM/MC 0.003%/0.004%/0.018%; S/N MM/MC 82/76 dB \$550

P-3030 MM/MC Preamplifier

Preamp with Super Servo; MM and MC compatible, switchable-gain MC input; switchable-imp MM input; 78-RPM record EQ; infrasonic filter; all-passive-element tone controls; headphone amp; CD/aux input; 2 tape monitors. THD 0.003% high level, 0.004% MM, 0.006% MC and 78; S/N MM 82 dB, MC 76 dB \$380

CW-30R Wood Side Panels

For use with P-3060R and P-3030 preamps \$90/set

PARASOUND

PR200 Preamplifier

Full-featured preamp with discrete phono circuitry, variable loudness contour, bass EQ circuit, signal relay to mute turn-on transients, High Voltage Rails for high CD overload capability. Inputs for MM phono, tape, tape 2, CD player/video, tuner. FR 10-100,000 Hz ± 1 dB; max output 12.5 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 2 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 150 mV; 17 $\frac{1}{4}$ " W x 2 $\frac{1}{2}$ " H x 8 $\frac{1}{2}$ " D; 8 lbs \$200

PERREAUX

Perreux SM-2 Preamp

Preamp with two-stage passive RIAA phono EQ. Features switchable gain for MM cartridges. Gain required for MM cartridges is provided by switching gain reduction into the initial stage. Individually tested 0.300-V bipolar transistors. FR 20-50,000 Hz ± 0.25 dB; input sens/imp: 250 V RMS at 1,000 Hz/50k ohms, 100 pF; 2 mV RMS at 1,000 Hz/50k ohms, 100 pF others; 110 mV RMS/25k ohms. Input overload: MM 120 mV RMS at 1,000 Hz; MM 1.2 V RMS at 1,000 Hz; all others 50 V. Rated output 1.4 V RMS into 10k ohms or higher; max output 27 V RMS into 10k ohms or higher; main output source imp 470 ohms; tape-output level/source imp 110 mV/2k ohms; min recommended load 10k ohms; THD and IMD: phono input 0.005%, 20-20,000 Hz at rated sens rising to 0.01% at 0.9-V input at 1,000 Hz; all others < 0.0009%, 20-20,000 Hz at rated sens rising to 0.008% at 26 V output at 1,000 Hz into 10k ohms or higher, < 0.008% at 100 kHz at rated output into 10k ohms. S/N MM -86 dB re rated input A-wtd; MC 72 dB re rated input A-wtd; MM -108 dB A-wtd. Output stage phase accuracy ± 1 degree, 20-20,000 Hz; sep 70 dB, 20-20,000 kHz, all inputs. 47.5 cm W x 33.1 H x 5.3; 12 lb. \$1,299

Perreux SA-2 Preamplifier

Pure Class A preamp with precision controls. FR 20-50,000 Hz ± 0.25 dB. Input sens/input imp MC 180 V RMS at 1,000 Hz/50k ohms, 100 pF; MM 0.85 mV RMS at 1,000 Hz/50k ohms, 100 pF; others 110 mV RMS/25k ohms. Input overload MC 50 mV RMS at 1 kHz; MM 500 mV RMS at 1,000 Hz. Rated output 1.4 V RMS into 10k ohms or higher; max output 25 V RMS into 10k ohms or higher; main output source imp 1,000 ohms; tape-output level/source imp 110 mV/2k ohms. THD and IMD: phono input 0.005% 20-20,000 Hz at rated sens rising to 0.01% at 0.9-V input at 1,000 Hz; all others < 0.009% 20-20,000 Hz at rated sens rising to 0.08% at 15-V output at 1,000 Hz into 10k ohms or higher; < 0.08% at 100 kHz at rated output into 10k ohms. Noise (inputs loaded) MC 66 dB re rated input A-wtd; MM -86 dB re rated input A-wtd; RIAA accuracy ± 0.25 dB; 68 dB, 20-20,000 Hz, all inputs; output stage phase accuracy ± 2 degrees 20-20,000 Hz; 47.5 x 5.3 cm; 12 lbs \$850

QUAD

Quad 44 Control Unit

Preamp/control system with lift/step bass control to boost low-frequency output of small speakers, attenuate bass output when operating as filter to give 5-dB drop at 2 frequencies; ± 2 -dB tilt control that shifts tonal balance; variable filter slope control at 5, 7, 10 kHz; all tone controls have defeat positions; balance/mono switch; radio, aux, disc, tape 1, tape 2 input selectors with optional microphone or MC phono inputs available. Input sens/imp 1 mV at 35 mV in/47k ohms phono, 100 mV at 5 V in/39k ohms tape, 1M ohm radio and aux; FR ± 0.5 dB 30-20,000 Hz phono RIAA, 30-20,000 Hz $\pm 0/1$ dB high-level distortion 0.02%; residual noise -104 dB A-wtd; 321 mm W x 207 D x 103 H \$795

Quad 34 Control Unit

Preamp control unit with tilt control; bass control; inputs for disc, tape, radio, aux; 3 push-button filters; bass lift and step. Distortion worst case, any input 0.5%. Residual noise A-weighting, volume control at minimum -105 dB. FR ± 0.3 dB any input except phono; FR phono RIAA ± 0.5 dB \$595

ROBERTSON AUDIO

Twenty Twenty MC Preamplifier

Preamp with auto tracking DC servo control to provide low DC offset and drift. Features onboard supply; MC load selector; standby switch. Inputs for MM phono, MC phono, tape, aux, CD player, tuner, video sound. FR 20-20,000 Hz ± 0.2 dB; max output 14.5 V into 600 ohms; THD 0.005%; MM phono sens 2.6

mV for 0.5-V output at 1,000 Hz; MM phono input overload level 127 mV, sens for line-level inputs 73 mV; 432 mm W x 99 mm H x 190 mm D; 23 lbs \$1,495

Twenty Twenty Preamplifier

Preamp with auto tracking DC servo control to provide low DC offset and drift over extended time. Features load capacitance selector, standby switch. Inputs for MM phono, tape, aux, CD player, tuner, video sound. FR 20-20,000 Hz ± 0.2 dB; max output 14.5 V into 600 ohms; THD 0.005%; MM phono sens 2.6 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 127 mV, sens for line-level inputs 73 mV; 432 mm W x 99 mm H x 190mm D; 20 lbs \$995

ROTEL

RC870 Stereo Preamplifier

Preamp with inputs for MM phono, MC phono, tape, tape 2, CD player, tuner. FR 40-100,000 Hz ± 0.2 dB; THD (CD, tuner) 0.004%; IMD (CD, tuner) 0.004% IHF; MM phono input overload level 150 mV, 19" W x 2 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D; 11.4 lbs \$299

SAE

X1P X-Series Preamplifier

Computer direct-line fully discrete preamp. Features separate power supply, loading for MM and MC phono inputs, rack mountable. Inputs for MM phono, MC phono, tape, aux. FR 20-20,000 Hz ± 0.1 dB; max output 17 V; THD 0.01%; IMD 0.01%; MM phono sens 0.07 mV for 0.5 V output at 1,000 Hz; 19" W x 1.75" H x 12.5" D; 14 lbs \$1,200

P101 Preamplifier

Computer direct-line preamp. Features dual digital volume and balance controls, loading for MM phono input, front panel phase controls, two main inputs; main one is in phase and main two is out of phase (which makes amp bridging possible), rack mountable. Inputs for MM phono, MC phono, tape, aux, video. FR 20-20,000 Hz; max output 11 V; THD 0.008%; IMD 0.008%; 19" W x 3.5" H x 12.5" D; 20 lbs \$650

RS101 Speaker Switcher

Speaker switcher module exclusively for P101 preamp. Dual 6 foot Monster Cable leads connect to power amp to switch two pairs of speakers. DIN cord inserts in P101. 6" W x 3" H x 4" D; 3 lbs .. \$50

P102 Preamplifier

Computer direct-line preamp with 3 digital tone memories, electronic volume and balance controls. Features sequential audio muting to provide cross-fade between input sources; alphanumeric displays of all functions. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner, external processor. FR 20-20,000 Hz ± 0.5 dB; max output 7.5 V; THD 0.025%; IMD 0.025% IHF; MM phono sens 160 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 240 mV, 19" W x 3.5" H x 14" D; 17 lbs \$399

SANSUI

C-2301 Preamplifier

Preamp with balanced and unbalanced 75-ohm imp outputs. Inputs for MM phono, MC phono, tape, tape 2, phono, CD player, tuner. FR 5-300,000 Hz ± 0.2 dB; MM phono sens 2 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 150 mV/47,000 \$2,400

C-2101. Similar to C-2301, with built-in parametric equalizer. THD < 0.0015%. 17" W x 4 $\frac{1}{2}$ " H x 11 $\frac{1}{4}$ " D \$700

SHERWOOD

S-6020 CP Preamplifier

Individually tested, certified stereo preamp with FET differential input. Features FET differential tone-control amp; push-pull output; 2 tape monitors; 2-way

tape dub; output for 2 main amps; feather-touch up/down volume control with 10-segment LED level indicator; relay audio-mute circuit. Output 10 V maximum; THD and IMD 0.005% at 1 V output; FR DC-100,000 Hz; S/N 100 dB; phono overload 250 mV at 1 kHz; RIAA phono EQ ± 0.5 dB; power consumption 14 W; 17 $\frac{1}{2}$ " W x 15 $\frac{1}{2}$ " D x 2 $\frac{1}{16}$ " H; 11 lb \$250

SOUNDCRAFTSMEN

DX 4200 Preamp/Equalizer

Combination preamp/equalizer with digital audio and video audio inputs. Features in/out balancing to 0.1 dB; phono preamp has variable cartridge loading (50-800 pF, 100/47,000 ohm) adjustable ± 20 dB gain MC variable reluctance or MM cartridge inputs; 3-way tape dubbing; 2 external signal-processor loops; conventional line outputs plus separate autobridge line outputs for auto mono bridging of most amps; EQ S/N 114 dB; passive-coil filters with 15 dB boost or cut for each octave; differential/comparator circuitry for true 0.1 dB unity-gain EQ balancing; 19" rack-mount front panel; includes frequency spectrum analyzer test record and instant reset Computone charts; 5 $\frac{1}{4}$ " W x 19" H x 11" D \$699

DX4100 Preamp/Equalizer

Combination preamp/equalizer with built-in conventional line outputs plus separate bridging line outputs for auto mono bridging of most amps. Features external signal-processor loop; 2 phono inputs; 2 tape inputs with 3-way dubbing; phono S/N 97 dB, THD 0.01%; 12 dB EQ boost and cut for each octave; differential/comparator circuitry for 0.1 dB unity gain; 19" rack mount front panel; includes frequency spectrum analyzer test record and instant reset Computone charts \$549
DX4000. Same as DX4100 without graphic equalizer but with 2 external signal-processor loops; 3 $\frac{1}{2}$ " W x 19" H x 11" D \$399

SPECTRAL AUDIO

DMC-5 Preamplifier

Dual mono preamp with all discrete class A circuitry. Features modular construction; aerospace components; high-speed operation. Inputs for MM phono, MC phono, tape, aux. FR DC-4 MHz ± 1.5 dB; max output 24 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 0.1 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 200 mV, sens for line-level inputs 100 mV; 19" W x 2.5" H x 13" D; 17 lbs \$1,495

SUMO by ALL-AMERICAN AUDIO

Electra Preamplifier

Stereo preamp with DC-coupled differential FET phono stage and head amp for MC cartridges. Features stereo, mono, A, B, A+B mode switching; laser-trimmed stepped controls; gold-plated phono input jacks; double-action switching; all 1% metal-film resistors in audio circuits; fully regulated power supplies. FR 20-20,000 Hz ± 0.1 dB; crosstalk -80 dB or better at 1 kHz and below; THD and IM 0.01% below 3V for tuner/aux, tape inputs; sens 315 mV at 3 V RMS at 1,000 Hz for tuner, aux, tape inputs \$499

SYMDEX/LOGAN

PA-10B Preamplifier

Electron tube phono-only preamp with separate power supply. Features symmetrical layout for both chs; muting function for no system crash due to power loss; slow turn-on circuitry to prevent thermal shock to tubes. Input for MC phono. FR 1-3,000,000 Hz ± 3 dB; max output 160 V; THD <0.2%; IMD <0.2% IHF; 19" W x 3 $\frac{1}{2}$ " H x 7" D; 6 lbs; power supply 12 lbs \$5,395
HLE-1010T. Companion pre-preamplifier for PA-10B \$2,395

PA-101 Preamplifier

Hybrid FET and electron tube preamp with enough gain for even lowest output MC cartridges. Features separate transformer; adjustable imp loading with

custom select setting; muting function for no system crash due to power loss; slow turn-on circuitry to prevent thermal shock to tubes. Inputs for MC phono, 2 line level. FR 1-1,000,000 Hz ± 3 dB; max output 160 V; THD <0.2%; IMD <0.2% sens for line-level inputs 300 mV; 19" W x 1 $\frac{1}{4}$ " H x 7" D; 3 lbs; separate transformer 2 lbs \$1,995

TALISMAN by SUMIKO

Alchemist Preamplifier

Preamp with no internal wiring. Features electro-magnetic mapping technique; unitized construction (all circuits are on single board); polypropylene and polystyrene film capacitors; 1% metal film resistors. Inputs for MM phono, tape, aux, tuner. FR 6-150,000 Hz ± 3 dB; max output 10 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 0.85 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 300 mV, sens for line-level inputs 400 mV; 19" W x 3 $\frac{1}{2}$ " H x 12" D; 8.6 lbs \$1,275

TANDBERG

TCA-3008A Control Preamplifier

High-current control amp with MC input designed as complete preamp stage employing 11 discrete semiconductor devices in each channel. Features MM phono input with capacitance, resistance adjustments; bass, treble controls with tone defeat; digital disc input capable of handling >20 V. Audio circuitry includes selected all-metal film resistors, polypropylene capacitors, minimum negative feedback; 2 Butterworth infrasonic filters; mono, loudness switches; 2 deck tape monitors with 2-way dub; headphone amp with separate volume control. Rosewood side panels optional \$795

TECHNICS

SU-A4MK2 Stereo DC Control Amplifier

Preamp with built-in amorphous step-up transformer for extended linear response. Features full matching phono equalizer for all types of cartridges; all class A with ICL ultra-low-noise FET input; low output imp allows remote power amp placement; shelving tone controls for EQ; presettable CD/aux/video input selector; 4-ganged master volume control; infrasonic and high filter switches; loudness switch; separate rec selector with 2-way dubbing; 2 tape monitors. THD <0.006% MM, 0.01% MC, 0.006% line; FR 20-100,000 Hz ± 0.2 dB phono, DC-100,000 Hz +0 dB line; S/N A-wtd 77 dB MM, 76 dB MC, 100 dB line; input imp 47 kilohms 1, 2, MM, 30/470 MC, 47 kilohms line; output imp 600 ohms tape 1, rec out, 2 ohms pre out; max output voltage 8 V; input sens 0.26/0.64 mV 1 MM, 20/65 V MC, 0.64 mV 2 MM, 38 mV line; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 14 $\frac{1}{16}$ " D; 17.6 lbs \$1,100

SU-A6 Mk 2 Preamplifier

DC control preamp with shelving tone controls, selectable turnover frequencies, 8 audio/video inputs, infrasonic filter, audio muting. Inputs for MM phono, MC phono, tape 3, tape 2, aux 2, phono 2, CD player, tuner, computer, VCR, digital-audio recorder, TV. FR 20-20,000 Hz +0/-0.1 dB; max output 8 V; THD 0.002%; MM phono sens 0.63 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 150 mV, sens for line-level inputs 36 mV \$600

SU-A8 Stereo DC Control Amplifier

Straight DC preamp with complete class-A circuitry. Features full control flexibility; convenient program selectors; MC and MM inputs; tape mode selector; dubbing selector; control status indicators. THD <0.003% MM, 0.01% MC, 0.002% line; FR RIAA standard curve +0.2 dB MM, RIAA standard curve ± 0.5 dB MC phono, DC-20,000 Hz +0.2 dB line; S/N A-wtd 79 dB MM, 75 dB MC, 100 dB line; output imp 2 ohms, rec out 600 ohms; input sens 1.25 mV MM, 85 μ V MC, 75 mV line \$350

THRESHOLD

Model FET one series II Preamplifier

Dual-channel noninverting FET preamplifier with di-

rect input for MM and MC cartridges, 3 line-level sources, 2 tape decks. Power supply uses magnetically shielded toroidal transformer with current capacity 10x that needed followed by 46,000 μ F capacitance plus separate +/− rail monolithic solid state regulators for each channel to eliminate interchannel supply modulation effects. A low-distortion, wide-bandwidth gain stage with switchable loading characteristics is provided to interface MC cartridges. MM inputs go to high-imp linear cascoded FET to eliminate source/load interaction. RIAA EQ individually adjusted for phase and amplitude. FR down 3 dB at 1.5 and 125,000 Hz; distortion <0.02% at 3 V preamplifier output into 10,000 ohms; slew rate 25 V/ μ sec; rise time 2 μ sec; overload point 14 V preamplifier output peak; output impedance 100 ohms \$2,200

Model FET two series II Preamplifier

Dual-ch noninverting FET transistor preamp with gain stages consisting of an N-ch J-FET input pair followed by a P-ch MOSFET—all maintained in Class A operation. Accepts all MC and MM cartridges and has 3 line-level inputs and 1 tape deck. Power supply uses large magnetically shielded toroidal transformer with current capacity 10 times that needed, followed by 46,000 μ F capacitance plus separate − and + rail monolithic solid-state regulators for each channel so gain devices are not subject to interchannel supply-modulation effects. Frequency response 3 dB down at 5 and 100,000 Hz; distortion 0.01% at 3 V preamp out into 10,000 ohms; slew rate 15 V/ μ sec; overload point 14 V preamp output peak; output imp 470 ohms \$1,290

VSP

Straightwire II Preamplifier

Stereo preamp with computer-controlled front end for automatic muting and DC offset sensing. Features 8-bit Z80 microprocessor; sensi-touch input selectivity with computer-controlled LED feedback; modular construction, board-swap serviceability; DC servo phono and amp stage; isolated, shielded power supply; high-resolution phase accuracy; dual tape monitoring with tape-to-tape copying; RIAA open-loop contoured active EQ. Inputs for MM and MC phono. Phono preamp section: max output 22 V RMS 20-20,000 Hz, phono preamp THD <.01% at rated output. High-level amp section: max output 9 V RMS 20-20,000 Hz, amp THD <.01% at rated output, high-level amp; FR 1-20,000 Hz, -3 dB amp \$995

YAMAHA

C-80 Stereo Preamplifier

Stereo preamp with 2-band parametric equalizer and Zero Distortion Rule circuitry. Features continuously variable loudness control (-40 dB); inverting preamp outputs; all sections pure Class A. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner. FR 20-20,000 Hz +0/-0.2 dB; max output 8.5 V; THD 0.001%; IMD 0.002% IHF; MM phono sens 2.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 500 mV, sens for line-level inputs 150 mV; 17 $\frac{1}{4}$ " W x 3 $\frac{1}{4}$ " H x 14 $\frac{1}{16}$ " D; 15 lbs \$750
C-60. Similar to C-80 preamplifier with continuously variable tone control frequencies instead of equalizer \$500
C-40. Similar to C-60 with extended rolloff equalizer. Max output 11 V; MM phono input overload level 170 mV \$350

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

ACCUHASE by MADRIGAL

E-303X Integrated Amplifier

High power integrated amp with power meters. Features 3 position loudness compensation; 250 W/ch into 2 ohms. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player; line 2. FR 20-20,000 Hz +0, -0.2 dB; THD 0.01%; S/N 102 dB; IMD 0.005%; MM phono sens 0.22 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 13.9 mV; 150 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; 45.2 lbs; 17.5" W x 6.4" H x 14.6" D \$1,950

E 302 Integrated Amplifier

High power integrated amp with 3 position loudness compensation and power meters. Inputs for MM phono; MC phono; tape; tape 2; phono 2; CD player; 3 line inputs. FR 20-20,000 Hz +0, -0.2 dB; THD 0.01%; S/N 120 dB; IMD 0.01%; MM phono sens 0.22 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 7.1 mV; 120 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; 180 W/ch @ 4 ohms; 35.6 lbs; 17.5" W x 5.75" H x 14.6" D \$1,495

E-204 Integrated Stereo Amplifier

Integrated amp with MOSFETs in a Complementary-Symmetry push-pull power output stage and pure DC amps in both the voltage amp and power amp sections. Features DC servo control of both sections; built-in MC head amp; 2-step loudness compensator; tone control with turnover selector switch; active subsonic filter; disc input imp selector; -20 dB attenuator. Rated output 75 W/ch, both chs driven into 8 ohms, 20-20,000 Hz, with <0.02% distortion; damping factor 80 at 8 ohms, 50 Hz; rated input disc 1/MM 1.9 mV, disc 2/MC 0.09 mV; S/N aux/tuner 100 dB, disc 1 80 dB, disc 2 77 dB \$900

ADS

Atelier A2 Integrated Amplifier

Stereo integrated amp with separate input selectors for recording and listening. Features two tape monitor loops; two separate phono preamps, one for MM cartridges and one for MCs; preamp output and main amp input jacks; fast-response linear LED displays; clipping indicators; power output into 4-ohm load 100 W/ch, THD <0.08%, into 8-ohm load 80 W/ch, THD <0.05%, 2-ohm load 70 W/ch, THD <0.2%; FR tuner, video, tape 5-90,000 Hz +0, -1.5 dB, phono conforms to RIAA EQ ±0.5 dB 50-20,000 Hz; S/N tuner, video, tape >80 dBA, phono MM >80 dBA, phono MC >60 dBA; IMD <0.05% with 4-ohm loads; 17.52" W x 2.76" H x 14.84" D; 20 lbs \$580

AKAI

AMA-90 Integrated Amplifier

Deluxe audio/video-ready integrated amp with non-negative feedback (open loop), record selector, and bi-directional dubbing. Inputs for MM phono; MC phono; tape; tape 2; aux; CD player; video disc; VTR. FR 10-80,000 Hz ±0.5 dB; THD 0.5%; S/N 95 dB; MM phono sens 2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 130 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms; 27.6 lbs; 17.3" W x 4.3" H x 16.1" D \$500

AMA-70 Integrated Amplifier

Deluxe audio/video-ready integrated amp with non-negative feedback (open loop), record selector and, bi-directional dubbing. Inputs for MM phono; MC phono; tape; tape 2; aux; CD player; video disc; VTR. FR 10-80,000 Hz ±0.5 dB; THD 0.5%; S/N 95 dB; MM phono sens 2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms; 25.4 lbs \$400

AMA-401 Integrated Amplifier

Audio/video-ready stereo integrated amp. Inputs for

MM phono; tape; aux; CD player. FR 10-30,000 Hz ±0.5 dB; THD 0.05%; S/N 95 dB; MM phono sens 2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 80 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; 15 lbs; 17.3" W x 3.9" H x 10.5" D \$400

AMBER

Series 50B Integrated Amplifier

Audiophile integrated amp based on circuitry in Amber separates. Features preamp-out jacks; 5-way binding posts; 50,000 µF power supply; no current limiting. In black or silver with solid walnut side panels standard. Inputs for MM phono; tuner; tape; tape 2; aux; CD player. 50 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; FR 2-55,000 Hz ±3 dB; THD 0.008%; S/N 90 dB; IMD 0.005%; MM phono sens 5 mV for 0.5 V output at 1,000 Hz; slew rate 25 V/µsec; 24 lbs; 17" W x 4.5" H x 12.4" D \$699

CAMBRIDGE AUDIO

P35 Integrated Amplifier

Features passive tone controls; passive segmented phono section; MC/MM switchable inputs; large toroidal input transformer; solid wood end panels. 60 W/ch; THD 0.05%; S/N MM 80 dB, MC 73 dB, line 80 dB. 17½" W x 2½" H x 11" D; 17 lbs. \$449

**M.R. CREEK LTD.
by MUSIC & SOUND IMPORTS**

4040 Integrated Amplifier

Integrated amplifier. FR 10-60,000 Hz ±3 dB; 10 lbs; 16½" W x 2½" H x 6½" D \$295
Creek 4140. Same as above except no tone controls and larger power supply for higher current capability and greater headroom \$369

DENON

PMA-777 Integrated Amplifier

Features dual super non-NFB circuit high current; high dynamic headroom; video/CD input; MC phono input. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; FR 1-250,000 Hz ±3 dB; S/N 88 dB; dynamic headroom 3.1 dB; slew rate ±250 V/µsec; IMD 0.002%. Side panels standard \$620

PMA-757 Integrated Amplifier

Features dual super non-NFB circuit high current; high dynamic headroom; video/CD input; MC phono input; dual speaker output terminals; quick shut-off protector. 80 continuous average W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; FR 1-200,000 Hz ±3 dB; S/N 87 dB; dynamic headroom 3 dB; slew rate ±200 V/µsec; IMD 0.003% \$450

PMA-737 Integrated Amplifier

Features non-NFB circuitry; video ready high headroom; MC phono input. 60 continuous average W/ch from 20-20,000 Hz with no more than 0.001% THD into 8 ohms; FR 4-150,000 Hz ±3 dB; S/N 86 dB; dynamic headroom 2.3 dB; slew rate ±150 V/µsec; IMD 0.005% \$300

ACA-34. Side panels for PMA-757 \$30

1ACA-33. Side panels for PMA-737 \$30

FISHER

CA550 Integrated Amplifier

Stereo integrated amplifier with 9-LED power-level meters. Features class-A-II dc power amplifier; pushbutton function selectors with LED indicators; bass, treble controls; loudness, infrasonic filter and high-filter switches. Output power 70 W/ch rms into 8 ohms, 20-20,000 Hz at 0.009% THD and IM distortion; damping factor >50; preamp frequency response 20-20,000 Hz 0.5 dB; input sens/imp 250 @V/22 ohms MC, 2.5 mV/50k ohms MM, 150 mV/50k ohms tape monitors, tuner, aux; phono over-

load MC/MM 6/180 mV; subsonic-filter response 12 dB/octave below 10 Hz; hum and noise MC/MM/tape monitor, tuner, aux 65/75/100 dB; preamp output 1000 mV/1.5k ohms; power consumption 320 W; 17½" W x 14½" D x 4½" H; 20 lb \$450

CA 660 Integrated Amplifier

Stereo amplifier with dual power with 5-LED peak level indicators. Features bass, treble controls; loudness switch; source/mic mixing level/record control; input selector with illuminated indicators. Output power 40 W/ch continuous into 8 ohms from 20-20,000 Hz with 0.07% THD and IM distortion; input sens 2.5 mV phono, 150 mV tuner, aux, tape 1, 2; S/N 78 dB phono, 95 dB tuner, aux, tape \$300

HARMAN KARDON

PM665 Integrated Amplifier

Stereo integrated amp with reactive load and high instantaneous current capability. Features low negative feedback; turnover tone controls; bass contour (phase corrected loudness contour); 2-speaker switching. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player; main amp; tuner. FR 0.2-150,000 Hz ±3 dB; S/N 100 dB-AUX/CD inputs; MM phono sens 1.1 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 67.5 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.08% THD into 8 ohms; slew rate 180 V/µsec; rise time: 1.8 µV. 33 lbs; 17¼" W x 5¼" H x 15¼" D \$625
PM655. Similar to PM665 except 60 W/ch; no inputs for aux or phono 2. 22 lbs, 5 oz \$425

PM645 Integrated Amplifier

Stereo integrated amp with reactive load and high instantaneous current capability. Features low negative feedback; turnover tone controls; bass contour; 2-speaker switching; 2 tape monitors. Inputs for MM phono; tuner; tape; tape 2; CD player. FR 0.3-150,000 Hz ±3 dB; S/N 100 dB; MM phono sens 1.1 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 67.5 mV; 40 continuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; slew rate 90 V/µsec; rise time: 2.0 µV. 14 lbs, 5 oz; 17¼" W x 4" H x 14" D \$250
PM625 Integrated Amplifier. Similar to PM645 except 20 W/ch; no tape 2 input; slew rate 80; rise time: 2.2 µV. Weight: 12 lbs, 12 oz \$200

JVC

A-X900B Integrated Amplifier

Dynamic super-A stereo integrated amp designed specifically for digital programs with Gm driver for amp-speaker interface that shuts out counter-electromotive force and makes speaker imp variations insignificant. Inputs for MM phono; MC phono; tape; tape 2; aux; phono 2; CD player; tape 3; tuner. FR 3-100,000 Hz +0 dB/-3 dB (8 ohms); THD 0.003%; S/N 85/83 dB MM, 69/75 dB MC, 109/91 dB tuner/AUX/DAD/tape; IMD 0.001%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 120 W/ch continuous average 20-20,000 Hz with 0.003% THD into 8 ohms; dynamic range 100 dB; 27.6 lbs; 17" W x 5¼" H x 16" D \$550

A-X500VB Integrated Amplifier

Dynamic Super-A stereo digital video-ready integrated amp. Gm selector and Gm driver features 7-band computer-controlled graphic equalizer with 5 memory presets. Inputs for MM phono; MC phono; tape; tape 2; aux; phono 2; CD player; 3 video inputs. FR 3-100,000 Hz +0 dB/-3 dB (8 ohms); THD 0.007%; S/N 85/83 dB MM, 65/75 dB MC, 100/77 dB tuner, aux, DAD, tape; IMD 0.005%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 100 W/ch av 20 to 20,000 Hz with 0.007% THD into 8 ohms. Video specs: signal input 1.5 V p-p; output signal level 1 V p-p at 1 V p-p input; imp 75 ohms unbalanced; synchronization negative. 27.6 lbs; 17¼" W x 4¼" H x 15" D \$500

A-X400B Integrated amplifiers

Dynamic Super-A stereo integrated amp with 7-band

graphic equalizer with memory tabs. Inputs for MM phono, MC phono; tape; tape 2; aux; phono; CD player. FR 5-100,000 Hz +0 dB/-3 dB (8 ohms); THD 0.007%; S/N 87/85 dB MM; 67/77 dB MC; IMD 0.005% at 70 W output; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 70 continuous W/ch 20-20,000 Hz with 0.007% THD into 8 ohms; 17.2 lbs; 17 $\frac{1}{2}$ " W x 4 $\frac{1}{2}$ " H x 13 $\frac{1}{16}$ " D \$300

KENWOOD

KA-94(B) Stereo Integrated Amplifier

Spectrum series amp with selectable two range LED power monitor; independent CD, video, aux inputs; two tape channels; phono recselector for alternative listening while dubbing; subsonic filter; two speaker systems operation. 125 continuous average W/ch from 20-20,000 Hz with less than 0.05% THD into 8 ohms; FR 10-100,000 Hz +0dB, -3dB; S/N 79 dB; 16 $\frac{1}{32}$ " W x 4 $\frac{1}{32}$ " H x 11 $\frac{1}{32}$ " D; 18.7 lbs \$335

KA-74(B) Stereo Integrated Amplifier

Spectrum series amp with selectable two range LED power monitor; independent CD, video, aux inputs; two tape channels; phono recselector for alternative listening while dubbing; two speaker systems operation; subsonic filter 75 continuous average W/ch from 20-20,000 Hz with less than 0.09% THD into 8 ohms; FR 10-100,000 Hz +0dB, -3dB S/N 79 dB; 16 $\frac{1}{32}$ " W x 4 $\frac{1}{32}$ " H x 11 $\frac{1}{32}$ " D; 15.4 lbs. \$245

KA-54(B) Integrated Amplifier

Spectrum series amp with independent CD/aux input; tape source monitor circuit; two speaker systems operation; loudness switch; headphone jack; LED power indicator; bass and treble controls with flat response setting. 50 continuous average W/ch from 20-20,000 Hz with less than 0.09% THD into 8 ohms; FR 10-100,000 Hz +0dB, -3 dB; S/N 79 dB; 16 $\frac{1}{32}$ " W x 4 $\frac{1}{32}$ " H x 11 $\frac{1}{32}$ " D; 11.9 lbs \$180

KYOCERA

A 910 200-W Integrated Amplifier

Integrated amp with ceramic base/chassis and cutless core power transformer. Features DC configuration with DC servo control, fine ceramic linear modularized phono stages. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner, video. FR 10-100,000 Hz ± 1.5 dB; max output 0.25 V at rated sens; S/N 110 dB; MM phono sens 2.2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 250 mV; 150 continuous average W/ch from 20-20,000 Hz with no >0.02% THD into 8 ohms; dynamic headroom 0.58 dB; slew rate 120 V/s; 200 W/ch into 4 ohms with 0.03% THD \$1,500

A-710 100-W Integrated Amplifier

Integrated amp with ceramic base/chassis and triple push-pull power stages. Features single-stage high-gain circuit for improved open-loop FR, MOSFET drivers. Inputs for MM phono, MC phono, tape, tape 2, aux, phono 2, CD player, tuner, video. FR 10-100,000 Hz ± 1.5 dB at 1 W into 8 ohms; max output 0.2 V at rated sens; S/N 100 dB; MM phono sens 2.2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 200 mV; 100 continuous average W/ch from 20-20,000 Hz with no >0.02% THD into 8 ohms; dynamic headroom 0.7 dB \$800

LUXMAN

L-430 100-Watt Integrated Amplifier

Duo-Beta DC integrated amp with 100 W/ch. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux. FR 10-100,000 Hz -1 dB; THD 0.018%; S/N 90 dB MM phono, 67 dB MC, 110 dB aux \$500

L-400 Duo-Beta Integrated Amplifier

Integrated amp features Duo-Beta circuitry; discrete power amp stage; MC imp selector; high, low, and infrasonic filters; connections for two pairs of speakers. 55 W/ch minimum continuous power into 8 ohms from 20-20,000 Hz with <0.02% THD; frequency response 10-100,000 Hz -1 dB; signal-to-noise ratio MM phono >117 dB \$300

L-210 Integrated Amplifier

Duo-Beta DC integrated amp. FR 10-100,000 Hz -1 dB; THD 0.02%; S/N 90 dB MM, 107 dB Aux, DAD, 40 continuous average W/ch from 20-20,000 Hz; 14.8 lbs; 17 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 12 $\frac{1}{32}$ " D. \$200

MARANTZ

PM 74 100-Watt Integrated Amplifier

Inputs for MM phono; MC phono; tuner; tape; tape 2; CD player. S/N 102 dB; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; 26.5 lbs; 16 $\frac{1}{8}$ " W x 4 $\frac{1}{8}$ " H x 13 $\frac{1}{8}$ " D \$420

PM551 Integrated Amplifier

Audio/video integrated amp with 5-band graphic equalizer; Bus System remote control; sound-injection mixing; spatial stereo effect; electronic volume control with presets. Inputs for MM phono; tuner; tape; tape 2; CD player. FR 10-50,000 Hz ± 1 dB; S/N 98 dB; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.04% THD into 8 ohms \$400

MISSION ELECTRONICS

Cyrus II Integrated Amplifier

Integrated amp with optional external power supply to effectively double power output. Inputs for MM phono; MC phono; tape; aux; CD player. 50 continuous average W/ch from 20-20,000 Hz with no >0.004% THD into 8 ohms; 60 amperes peak to peak swings; FR 20-20,000 Hz ± 0.2 dB; THD 0.004%; S/N 83 dB; IMD 0.005%; MM phono sens 0.31 mV for 1-W output; sens for line-level inputs 50 mV for 1-W output; dynamic headroom 1.4 dB; slew rate 150 V/sec (input filter bypassed) \$599
Cyrus PSX. When connected to the Cyrus II integrated amplifier, the power supply is dedicated to the preamp alone. The PSX is then the power supply for the amplifier. Output voltage -40 +40 vdc; transformer regulation 3% at 500 VA \$299

Cyrus I Integrated Amplifier

Integrated amp with inputs for MM phono; MC phono; tape; aux; CD player. 25 continuous average W/ch from 20-20,000 Hz with no >0.004% THD into 8 ohms; 42 amperes peak to peak swings; FR 20-20,000 Hz ± 0.2 dB; THD 0.004%; S/N 83 dB; IMD 0.005%; MM phono sens 0.4 mV for 1-W output; sens for line-level inputs 60 mV for 1-W output; dynamic headroom 1.4 dB; slew rate 150 V/sec (input filter bypassed); 9 lbs; 8 $\frac{1}{2}$ " W x 3" H x 13 $\frac{1}{2}$ " D \$399

NAD

3155 Integrated Amplifier

55 W/ch integrated amp with high current and high dynamic headroom. Features Bass EQ, Soft Clipping™; speaker-imp matching; capacitance loading; low-level switch. Inputs for MM phono; MC phono; tape; tape 2; CD player. FR 19-20,000 Hz ± 0.2 dB; THD 0.03%; S/N 78 dB; IMD 0.03%; MM phono sens 0.2 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 175 mV; 55 continuous average W/ch 20-20,000 Hz with dynamic headroom of 3 dB; slew rate 20 V/ μ sec; 40 amp current capability; 20 lbs 8 oz; 16.5" W x 4.25" H x 15" D \$398

3130 Integrated Amplifier

30 W/ch integrated amp with high current and high dynamic headroom. Features soft clipping™; speaker impedance matching switch; 5-way binding posts. Inputs for MM phono; MC phono; tuner; tape; aux; CD player; video. THD 0.03%; IMD <0.03%; dynamic headroom +3 dB; slew rate 15 V/ μ sec \$198

3120 Integrated Amplifier

28-watt stereo integrated amp without tone controls for audiophile performance. Features high-quality speaker connectors, speaker-imp matching switch, updated wide-range phono preamp; preamp outputs.

Inputs for MM phono; MC phono; tape; aux. FR 20-20,000 Hz ± 0.1 dB; THD 0.02%; S/N 78 dB; IMD 0.02%; MM phono sens 0.27 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 35 mV; 28 continuous average W/ch from 20-20,000 Hz with no >0.02% THD into 8 ohms; dynamic headroom 3 dB; slew rate 20 V/ μ sec; 16.5" W x 3.8" H x 9.5" D \$158

NAIM by AUDIOPHILE SYSTEMS

NAIT Integrated Amplifier

NAIM Audio Integrated Thing with MM phono, tape, tuner inputs. Phono input sens 2.5 mV; 11" D x 8" W x 3" H \$395

NEC

A-11 Integrated Amplifier

Features low imp drive stability parallel push-pull output stage; DC High Gm FET input for all stages; DC servo from input to output; low imp Reserve II power supply with 3 independent multi-tapped toroidal transformers; independent discrete shunt parallel regulation for preamp and main driver stage; power amp level controls for CD direct input; pre/main connections; subsonic filter; tape copy functions. Inputs for tuner; tape; tape 2; aux; CD player. FR 5-300,000 Hz; S/N 90 dB phono, 110 dB line level; MM sens 2.5 mV at 1,000 Hz; line level sens 150 mV; 70 continuous W/ch at 8 ohms, 140 W/ch at 4 ohms 20-20,000 Hz with no more than 0.003% THD; dynamic power 75 W/ch at 8 ohms; 150 W/ch at 4 ohms, 300 W/ch at 2 ohms \$799

A-10 MKII Integrated Amplifier

Features low imp drive stability parallel push-pull output stage; DC High Gm FET input stages for phono and main amp and DC servo voltage amp and power amp sections; low imp Reserve II power supply with independent multi-tapped transformers per ch; independent discrete shunt parallel regulation for preamp and main amp driver stage; vibration-free construction technology; power amp level controls for CD direct input; pre/main connections; low noise MC/MM phono EQ with built-in subsonic filter; recording output selector; tape copy functions. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; extra aux; CD player. FR 5-300,000 Hz; S/N 90 dB MM phono, 73 dB MC phono, 110 dB line level; MM sens 2.5 mV at 1,000 Hz; line level sens 150 mV; 60 continuous W/ch at 8 ohms, 120 continuous W/ch at 4 ohms 20-20,000 Hz with no more than 0.006% THD; dynamic power 70 W/ch at 8 ohms, 140 W/ch at 4 ohms, 280 W/ch at 2 ohms (4 times rated power); peak current 76.8 amps \$599

A-7 Integrated Amplifier

Features low imp drive stability parallel push-pull output stage; DC High Gm FET input stages for phono and main amp and DC servo voltage amp and power amp sections; low imp Reserve II power supply with multi-tapped transformer and 33,600 UFD capacitor storage; independent discrete shunt parallel regulation for preamp and main amp driver stage; low noise MC/MM phono EQ with built-in subsonic filter; recording output selector; tape copy functions. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; extra aux; CD player. FR 5-300,000 Hz; S/N 90 dB MM phono, 73 dB MC phono, 110 dB line level; MM sens 2.5 mV at 1,000 Hz; line level sens 150 mV; 50 continuous W/ch at 8 ohms, 100 W/ch at 4 ohms 20-20,000 Hz with no more than 0.006% THD; dynamic power 60 W/ch at 8 ohms \$349

NIKKO

NA-2000 Integrated Stereo Amplifier

Rack mountable integrated amp with stereo enhancement mode selector. Inputs for MM phono; MC phono; tape; tape 2; aux. FR 20-20,000 Hz ± 0 dB; THD 0.01%; S/N 105 dB; IMD 0.01%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 85 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms \$330

ONKYO

A-8019 100-Watt Integrated Amplifier

Features delta power supply; MM/MC/78 RPM phono selector; rec selector; dual subsonic filters. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player. FR 2-50,000 Hz ± 1 dB; THD 0.012%; S/N 84 dB; IMD 0.005%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.012% THD into 8 ohms; dynamic power into 8 ohms 140 watts per channel, into 4 ohms 215 watts per channel, into 2 ohms 310 W/ch. 26 lbs; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{8}$ " H \times 15 $\frac{1}{8}$ " D; black finish only \$495

A-8067 80-Watt Integrated Amplifier

Features real phase power supply, dual record selectors; direct tone controls; delta power supply; MC head amp. Inputs for MM phono; MC phono; tape; tape 2; aux; CD player. FR 2-50,000 Hz ± 1 dB; THD 0.015%; S/N 84 dB; IMD 0.005%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 80 continuous average W/ch from 20-20,000 Hz with no more than 0.015% THD into 8 ohms; dynamic power 135 W/ch into 8 ohms, 205 W/ch into 4 ohms, 295 W/ch into 2 ohms; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{8}$ " H \times 15 $\frac{1}{8}$ " D; black only \$400

A-8057 80-Watt Integrated Amplifier

Features real phase power supply; dual record selectors; direct tone controls; delta power; MC head amp. Inputs for MM phono; MC phono; tape; tape 2; aux; CD player. FR 2-50,000 Hz ± 1 dB; THD 0.015%; S/N 84 dB; IMD 0.005%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 80 continuous average W/ch from 20-20,000 Hz with no more than 0.015% THD into 8 ohms; dynamic power 135 W/ch into 8 ohms, 205 W/ch into 4 ohms, 295 W/ch into 2 ohms; 26 lbs; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{8}$ " H \times 15 $\frac{1}{8}$ " D; black only \$300

A-8037 50-Watt Integrated Amplifier

Features delta power supply; direct tone passive EQ tone controls; loudness control; subsonic filter. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; CD player. FR 15-30,000 Hz ± 1 dB; THD 0.06%; S/N 75 dB; IMD 0.06%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 50 continuous average W/ch from 20-20,000 Hz with no more than 0.06% THD into 8 ohms; dynamic power 70 W/ch into 8 ohms, 100 W/ch into 4 ohms, 100 W/ch into 3 ohms; 15 lbs; 17 $\frac{1}{2}$ " W \times 4 $\frac{7}{8}$ " H \times 19 $\frac{1}{8}$ " D; black only \$210

PARASOUND

CA250 Integrated Amplifier

Features electronic volume control; detented variable loudness control; separate record output selector; 10 transistor discrete phono preamp; relay protection; discrete output transistor; 3-color LED power metering; 2-way tape dubbing; separate output selector; A/B speaker switching. Inputs for MM phono; tuner; tape; tape 2; CD player/video. FR 20-40,000 Hz ± 1 dB; THD < 0.03%; S/N 88 dB; IMD 0.015%; MM phono sens 2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 500 mV; 50 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; dynamic headroom 2 dB; slew rate 55 V/ μ sec; 16 lbs; 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{2}$ " H \times 11" D \$270

CA215 Integrated Amplifier

Features discrete output transistors; detented volume and tone controls; A/B speaker switching; headphone jack. Inputs for MM phono; tuner; tape; CD player/video. FR 30-20,000 Hz ± 1 dB; THD 0.5%; S/N 80 dB (phono 90 dB); IMD 0.03%; MM phono sens 2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 500 mV; 15 continuous average W/ch from 20-20,000 Hz with no more than 0.5% THD into 8 ohms; dynamic headroom 1 dB; slew rate 22 V/ μ sec; 11 lbs; 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{2}$ " H \times 10" D \$130

PIONEER ELECTRONICS

A88X(BK) Integrated Amplifier

Nonswitching type II integrated amp with 3 transformer multi-power supply; MC phono input; 2 tape monitors. FR 20-20,000 Hz ± 0.2 dB; THD 0.003%; IMD 0.003%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 120 continuous average W/ch from 20-20,000 Hz with no more than 120% THD into 8 ohms; 39 lbs, 11 oz; 18" W \times 6 $\frac{1}{4}$ " H \times 16 $\frac{1}{8}$ " D \$700

A77X Integrated Amplifier

Nonswitching type II integrated amp features three-transformer multi-power supply; subsonic filter; MC phono input; 2 tape monitors. FR 20-20,000 Hz ± 0.2 dB; THD 0.003%; IMD 0.003%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; 33 lbs, 12 oz; 18" W \times 6 $\frac{1}{8}$ " H \times 16 $\frac{1}{8}$ " D \$500

SA-960 Integrated Amplifier

Nonswitching type II integrated amp with 5 inputs and LED input indicators. FR 20-20,000 Hz ± 0.3 dB; THD 0.08%; IMD 0.08%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 70 continuous average W/ch from 20-20,000 Hz with no more than 0.08% THD into 8 ohms; 14 lbs, 9 oz; 16 $\frac{1}{8}$ " W \times 3 $\frac{3}{8}$ " H \times 10 $\frac{1}{4}$ " D \$330

SA-V1160 Integrated Amplifier

Nonswitching circuit type II integrated amp with dynamic expander; 2 video inputs. FR 20-20,000 Hz ± 0.3 dB; THD 0.05%; IMD 0.05%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; 17 lbs, 10 oz; 16 $\frac{1}{8}$ " W \times 3 $\frac{3}{8}$ " H \times 12 $\frac{1}{8}$ " D \$330

PIONEER VIDEO

SA-900D Integrated Amplifier

Integrated amp with 120 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; twin mono construction; low-imp drive capability; nonswitching type II amp. FR 10-100,000 Hz ± 0 , -3 dB; S/N 110 dB; IMD 0.003%; phono overload (MM) 1,000 Hz, 250 mV at 0.003% dist; phono EQ 20-20,000 Hz ± 0.2 dB; subsonic EQ 15 Hz 6 dB/oct; 18" W \times 6 $\frac{1}{8}$ " H \times 16 $\frac{1}{8}$ " D; 39 lbs, 11 oz \$600

SA-V70(BK) A/V Processing Amplifier

Audio/Video Master Control Amplifier with simulated stereo, expanded stereo, theater surround, stadium surround. Stereo mode: continuous average power output 50 W/ch, min at 8 ohms from 20-20,000 Hz with no more than 0.09% THD. Surround mode: (front channels) continuous average power output 25 W/ch, min at 8 ohms from 20-20,000 Hz with no more than 0.09% THD, (rear channels) continuous power output 25 W/ch, min at 8 ohms from 100-4,000 Hz with no more than 1% THD Hum and noise (IHF short circuited A network) phono (MM) 73 dB, other 91 dB; 16 $\frac{1}{8}$ " W \times 5 $\frac{1}{8}$ " H \times 15 $\frac{1}{8}$ " D; 22 lbs \$420

VSA-30 Surround-Sound Amplifier

Remote-controlled amp designed for surround-sound A/V systems. 6 A/V inputs; L-R surround decoder.



Front: 30 W/ch. Rear: 10 W/ch. 16 $\frac{1}{8}$ " W \times 3 $\frac{1}{2}$ " H \times 11 $\frac{1}{4}$ " D; 13 lbs, 11 oz \$249

PROTON

D540 Integrated Amplifier

High-current, high-dynamic power amplifier with Dynamic Power On Demand (DPD) Features phono section with MC and MM phono selections; active volume control anti-clipping circuit. 40 continuous W/ch from 20-20,000 Hz; FR 20-20,000 Hz ± 0.2 dB; S/N 85 dB (unweighted), 105 dB (A-wtd); dynamic headroom 6 dB; dynamic power rating: IHF 20 ms at 8 ohms is 160 W, 4 ohms 280 W, 2 ohms 380 W; 100 ms duration 8 ohms is 150 W, 4 ohms 220 W, 2 ohms 230 W; 200 ms 8 ohms is 150 W, 4 ohms 190 W, 2 ohms 200 W \$350

520 Integrated Amplifier

Features built-in MC head amp, switchable phono input resistance/capacitance. Inputs for MM phono, MC phono, tape, aux, video. FR 20-20,000 Hz ± 0.1 dB; max output 3 V; THD 0.015%; S/N 92 dB; IMD 0.014%; 20 continuous average W/ch 20-20,000 Hz with no > 0.015% THD into 8 ohms; dynamic headroom 4.7 dB; slew rate 18 V/s. High current stable into 2 ohms; 15 lbs \$200

RCA

MSA-200 Dimensia Integrated Amplifier

100-W integrated amp with on-screen volume graphics and mute. Inputs for MM phono; tape; aux; CD player. Features automatic input selection; subsonic filter; 4 AC outlets; A/B speaker switch; Gidging preamp/power amp; loudness compensation; a bus system which allows for 13 audio/video devices to be hooked-up and operated with one remote control. FR 20-20,000 Hz; THD < 0.05%; S/N < 75 dB phono, 78 dB others; IMD 0.08%; MM phono sens 0.276 mV for 1 W at speaker term across 8 ohms; sens for line-level inputs 16 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; 17 $\frac{1}{2}$ " W \times 4 $\frac{3}{8}$ " H \times 14 $\frac{1}{2}$ " D; 19 lbs, 13 oz \$390

MSA-100 Dimensia Integrated Amplifier

50 W integrated amp with on-screen volume graphics and mute. Inputs for MM phono; tape; aux; CD player. Features automatic input selection; subsonic filter; 3 AC outlets; fluorescent power meter; A/B speaker switch; loudness compensation; a bus system which allows for 13 audio/video devices to be hooked up and operated with one remote control. FR 20-20,000 Hz; THD < 0.05%; S/N < 75 dB phono, 78 others; IMD < 0.09%; MM phono sens 0.35 mV at 47 ohms for 1 W across 8 ohms at speaker term; sens for line-level inputs 21 mV; 50 continuous average W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{4}$ " H \times 11 $\frac{1}{2}$ " D; 12 lbs \$300

REVOX

B251 Integrated Amplifier

Microprocessor-controlled integrated amp with switched power supply; liquid cooling by heat pipe; input sensitivities programmable into nonvolatile memory. Features infrared remote control; rise time of 2 sec with 4-ohm load; cable capacitance selector (150/300/450 pF). Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player; external equalizer. 120 continuous average W/ch 20-20,000 Hz with no > 0.01% THD into 8 ohms; FR 20-20,000 Hz ± 0 , -0.2 dB; THD 0.01% at nominal output and at 50 mW; S/N 96 dB at nominal output, 80 dB at 50 mW; MM phono sens 1.6-23 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 160 mV to 2.3 V; dynamic headroom 3 dB; slew rate 100 V/sec; 18 $\frac{3}{4}$ lbs; 17 $\frac{1}{2}$ " W \times 6" H \times 13 $\frac{1}{8}$ " D \$1,500

B252. Similar to B251 except without power amp stage \$1,200

ROTEL

RA870 Integrated Amplifier

Integrated amp with individual power transformers for

each channel. Inputs for MM phono; MC phono; tuner; tape; tape 2; CD player. FR 20-20,000 Hz \pm 0.2 dB; THD 0.03%; S/N 80 dB phono, 102 dB CD, tuner, tape; IMD 0.05%; 60 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; 21.5 lbs; 17" W \times 3 $\frac{1}{8}$ " H \times 12 $\frac{1}{8}$ " D \$475 **RA840BX**. Similar to RA870 except 40 W/ch; S/N 78 dB phono, 95 dB CD, tuner, tape \$350 **RA820BX**. Similar to RB840B except 25 W/ch; 0.08%; IMD 0.08%; no tape 2 or MM/MC inputs \$250 **RA820**. Similar to RA820BX except includes separate tone and balance controls \$185

SAE

A14 140-Watt Integrated Amplifier

140 W/ch integrated amp with on-board parametric equalizer. Features MC and MM phono inputs, 2 tape inputs with 2-way tape dubbing, external processor input, 2 aux inputs, 2 band parametric equalizer with MM phono, MC phono, tape, aux, tuner. FR 10-60,000 Hz; THD 0.05%; sens for line-level inputs 7.2 mV; 140 continuous av W/ch from 20-20,000 Hz with no > 0.05% THD into 8 ohms; 32 lbs; 18.25" W \times 5.25" H \times 13.8" D \$799

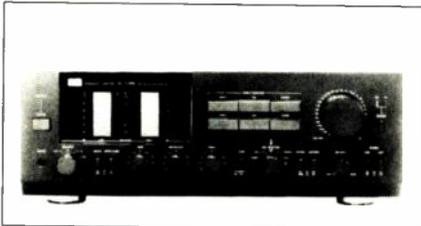
I102 60-Watt Integrated Amplifier

60 W/ch computer direct-line integrated amp. Features MC and MM phono inputs, 2 tape inputs with 2-way tape dubbing, external processor loop, dual digital volume and balance controls, sequential audio muting between sources \$499

SANSUI

AU-G90X 130-Watt Integrated Amplifier

Stereo integrated amp with X-balanced technology. Features built-in step-up imp-matching transformer for MC cartridges; tone controls with switch-selectable turnover frequencies; 8- or 4-ohm output imp. inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player; tuner. 130 continuous average W/ch from 10-20,000 Hz with no more than 0.003% THD into 8 ohms; S/N 110 dB; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; slew rate 400 V/sec \$799 **AU-G-99X**. Similar to AU-G-90X except no phono 2 in-



put; THD 0.004%; 160 W/ch into 8 ohms; S/N ratio 115 dB \$899 **AU-G-77X**. Similar to AU-G-99X except 110 W/ch into 8 ohms; slew rate 300 V/ μ sec \$499 **AU-G-55X**. Similar to AU-G-77X except slew rate 160 V/ μ sec \$369 **AU-G-33X**. Similar to AU-G-55X except 45 W/ch into 8 ohms \$299 **AU-G11X**. Similar to AU-G33X except 25 w/ch \$199

SCOTT

495SA 120-Watt Integrated Amplifier

Features IC logic controls; 5-band graphic EQ with tone defeat; 2 color peak hold power meters; subsonic and high filters; 2 speaker switching; loudness contour; DC power amplifier. Inputs for MM phono; tape; tape 2; aux; phono 2; CD player; TV. FR 20-20,000 Hz \pm 0.5 dB; S/N 82 dB; IMD 0.03%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 120 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms \$450

485SA 90-Watt Integrated Amplifier

Features IC logic controls; 5-band graphic EQ with tone defeat; 2 color peak hold power meters; subsonic filter; 2 speaker switching; loudness contour; DC

power amplifier. Inputs for MM phono; tape; tape 2; aux; phono 2; CD player; TV. FR 20-20,000 Hz \pm 0.5 dB; S/N 82 dB; IMD 0.03%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 90 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms \$389

455SA 65-Watt Integrated Amplifier

Features 5-band graphic EQ; loudness contour; subsonic filter; 2 speaker switching; 2 LED power meters. Inputs for tape; aux; phono; CD player; TV. FR 20-20,000 Hz \pm 0.5 dB; S/N 82 dB; IMD 0.03%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 65 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms \$280

445SA 45-Watt Integrated Amplifier

Features 5-band graphic EQ; loudness contour; subsonic filter; 2 speaker switching; 2 LED power meters. Inputs for tuner; tape; aux; phono; CD player; TV. FR 20-20,000 Hz \pm 0.5 dB; S/N 82 dB; IMD 0.03%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; 45 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms .. \$200

SONY

TA-F555 ES 100-Watt Integrated Amplifier

Audio Current Transfer design. Features MC cartridge imp loading; MM cartridge switch; record-out selector. Inputs for MM phono; MC phono; tape; tape 2; aux; CD player. FR 5-300,000 Hz \pm 3 dB; THD 0.004%; S/N 100 dB; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.004% THD into 8 ohms; dynamic headroom 1.8 dB; slew rate 250 V/; 32 lbs; 17" W \times 5 $\frac{1}{2}$ " H \times 15" D \$640

TA-F444 ES 80-Watt Integrated Amplifier

Audio Current Transfer design. Features MC cartridge loading, record-out selector. Inputs for MM phono; MC phono; tape; tape 2; aux; CD player. FR 5-300,000 Hz \pm 3 dB; THD 0.004%; S/N 100 dB; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 80 continuous average W/ch from 20-20,000 Hz; dynamic headroom 1.8 dB; slew rate 200 V/; 26 lbs \$490

TANDBERG

TIA 3012A 100-Watt Integrated Amplifier

Features high-current MOSFET output, passive calibrated tone controls utilizing metal film resistors (1% tolerance), no electrolytic or ceramic capacitors from phono input to speaker output. Thermic servo loop to detect DC offset on the output. Minimized Miller Effect; minimal negative feedback and no current or voltage limiting on output stages. 100 W/ch RMS into 8 ohms < 0.02% THD. Rosewood side panels optional. May be combined with Tandberg tuner and a pair of rosewood side panels to create a receiver.. \$995

TECHNICS

SU-V10X 120-Watt Integrated Amplifier

Integrated amp with separate record and input selector; A/V terminals. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player; DA tape; VTR; TV; tuner. FR 5-150,000 Hz \pm 3 dB; THD 0.003%; S/N 78 dB; IMD 0.007%; MM phono sens 150 mV for 0.5 V output at 1,000 Hz; 120 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; 29.8 lbs; 16 $\frac{1}{2}$ " W \times 5 $\frac{1}{2}$ " H \times 15 $\frac{1}{2}$ " D \$600

SU-V7X 100-Watt Integrated Amplifier

Integrated amp with separate record and input selector; A/V terminals. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player DA tape; VTR; TV; tuner. FR 5-130,000 Hz \pm 3 dB; max output 150 MV; THD 0.003%; S/N 77 dB; IMD 0.007%; MM phono sens 150 mV for 0.5 V output at 1,000 Hz; 100 continuous average W/ch from 20-20,000 Hz with no more than 0.003% THD into 8 ohms; 24.3 lbs \$460

SU-V6X 100-Watt Integrated Amplifier

Computer-drive new class A stereo amp. Features power linear circuit, linear feedback, microcomputer-controlled protection, electronic input/sec selectors, subsonic filters. Inputs for MM phono, MC phono, tape, tape 2, aux, CD player, video audio. FR 0.7-140,000 Hz +0/-3 dB, 20-20,000 Hz +0/-0.2 dB; S/N 82 dB; THD 0.001%; S/N 82 dB; IMD 0.007%; MM phono sens 0.25 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 15 mV; 100 continuous average W/ch from 20-20,000 Hz with no > 0.003% THD into 8 ohms; 24.2 lbs; 16 $\frac{1}{8}$ " W \times 5 $\frac{1}{8}$ " H \times 14 $\frac{1}{8}$ " D \$390

SU-V4X 65-Watt Integrated Amplifier

Computer drive new class A stereo amp. Features power linear circuit, linear feedback, micro-computer-controlled protection, electronic input/rec selectors, subsonic filter, EQ jacks. Inputs for MM phono, MC phono, tape, tape 2, aux, CD player, tuner. FR 5-14,000 Hz +0/-3 dB, 20-20,000 Hz +0/-0.2 dB; THD 0.001%; S/N 82 dB; IMD 0.004%; MM phono sens 0.3 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 19 mV; 65 continuous average W/ch from 20-20,000 Hz with no > 0.004% THD into 8 ohms; 15.6 lbs \$300

SU-V3 40-Watt Integrated Amplifier

Slim-profile integrated stereo amp with 40 W/ch RMS into 8 ohms, 20-20,000 Hz at 0.007% THD. Features fluorescent power meters with range selector; class-A power amp with linear feedback circuit; straight direct coupling \$280

VECTOR RESEARCH

VA-1400 100-Watt Integrated Amplifier

100 W/ch high current integrated amp with eight output transistors. 200 W/ch with optional VA-1450 bridging amp. Inputs for MM phono; MC phono; tape; CD; video sound source; 100 continuous average W/ch 20-20,000 Hz with < 0.08% THD into 4 ohms; dynamic headroom 2.5 dB; IHF IMD 0.08%. FR 10-40,000 Hz \pm 1 dB; 20 lbs \$300

VA-1100 60-Watt Integrated Amplifiers

High-current integrated amp with eight output transistors. Inputs for MM phono; MC phono; tape; CD; video sound source. 60 continuous average watts per channel from 20-20,000 Hz with dynamic headroom of 2.5 dB. Frequency response 10-40,000 Hz \pm 1 dB; 16 lbs \$240

YAMAHA

A-1000 120-Watt Integrated Amplifier

Integrated amp with Auto class A/class AB power switching with power levels of up to 10 W handled in pure class A mode. Features extended-rolloff equalizer; large capacity chemical capacitors; Zero Distortion Rule system; direct switch; direct-coupled servo power stages with dual-differential FET input circuitry; black anodized finish. 120 W/ch min RMS output power into 8 ohms at 1,000 Hz with 0.005% THD; THD aux/DAD/tape/tuner 0.002%; FR 20-20,000 Hz; S/N 89 dB aux/DAD/tape/tuner; 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{4}$ " H \times 16 $\frac{1}{4}$ " D; 28 lbs, 10 oz \$590 **A-700**. Similar to A-1000 except 100 W/ch min RMS output power into 8 ohms 20-20,000 Hz with no more than 0.005% THD \$450

A-520 75-Watt Integrated Amplifier

Integrated amp with continuously variable loudness control (-40 dB). Features Zero Distortion Rule circuitry; low-imp drive capability; rec out selector; subsonic filter. Inputs for MM phono or MC phono; tuner; tape; tape 2; aux; CD player. FR 20-20,000 Hz +0, -5 dB; THD 0.007%; S/N 100 dB; IMD 0.01%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 150 mV; 75 continuous average W/ch from 20-20,000 Hz with no more than 0.01% THD into 8 ohms; dynamic power 8/4/2 ohms 97/169/160 W. 16 lbs, 8 oz; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{2}$ " H \times 13 $\frac{1}{2}$ " D \$300 **A-420**. Similar to A-520 except 50 W/ch; no rec out selector \$200

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- = 103 12 1/8" h x 3 1/2" w x 9" d
- = 165 14 1/4" h x 4 3/8" w x 11" d

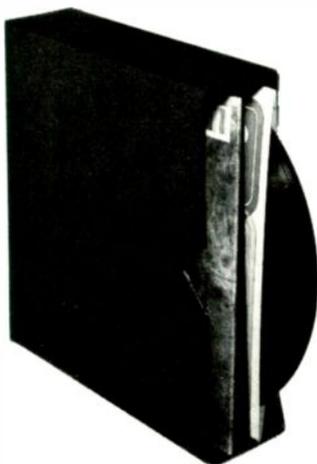


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3

tuners

ACCUPHASE by MADRIGAL

T-106 FM Tuner

Quartz-locked synthesizer AM/FM stereo tuner. Features 14-station random memory and pulse tuning system; double-tuned front end; FM stereo demodulator; AM synchronous detector; signal-strength meter; peak-modulation meter; MPX filter; selectivity switch; muting switch. FM section: FM usable sens mono 11 dBf; 50-dB quieting sens mono 17 dBf, stereo 17 dBf; THD stereo 0.04%, mono 0.04% at 1,000 Hz; S/N 83 dB stereo, 79 dB mono (at 80 dBf A-wtd); FR 10-60,000 Hz +0, 0.5 dB; capture ratio 1.5 dB; ch sep 50 dB at 1,000 Hz; AM suppression 80 dB at 65 dBf. AM section: sens 20 μ V/m at 20 dB S/N. 17 1/2" W x 5 1/16" H x 14 1/16" D \$1,100

ADCOM

GFT-1A AM/FM Stereo Tuner

AM/FM-stereo tuner with quartz-referenced, digitally synthesized tuning, auto up/down scan and instant-recall preset tuning, LED digital frequency display. Features 8 AM/8 FM station presets; 5-LED signal-strength display; recording calibration tone (400 Hz at 50% FM modulation); high-blend mono/mute switches; tuning accuracy 0.00025%; FM usable sens 2 μ V; S/N 80 dB mono, 75 dB stereo; THD 0.08% mono, 0.10% stereo at 1 kHz, 100% modulation; alternate-ch sel 70 dB; FM-stereo sep 55 dB at 1 kHz; 19" W x 11 1/2" D x 3" H \$375

GFT-2 Tuner

Digitally synthesized quartz-referenced tuner with fluorescent digital frequency display. Features auto scan tuning; 7 FM and 7 AM presets; 5-segment LED signal-strength indicator. 50-dB quieting sens 38.5 dBf stereo; FR 30-15,000 Hz \pm 2 dB; THD at 1,000 Hz 0.09% mono, 0.18% stereo; S/N 75 dB mono, 70 dB stereo; alternate ch sel 70 dB; capture ratio 1.2 dB; sep 50 dB at 1,000 Hz \$250

ADS

Atelier T2 Tuner

AM/FM digital synthesizer tuner with 16 station presets and auto FM search tuning. Features flywheel manual tuning; fine-tuning control; switchable muting; high-blend control; LED frequency display; center tuning plus signal-strength displays; AC outlets. FM usable sens mono 1.0 μ V (11.0 dBf) stereo 5.5 μ V (26.1 dBf); stereo 50-dB quieting sens 15 μ V (34.8 dBf); THD mono < 0.15%, stereo < 0.20%; S/N mono > 70dB, stereo > 65dB; FR 10-14,500Hz, +0, -1 dB; ch sep > 38dB at 1,000 Hz; capture ratio < 2.5dB; AM quieting sens < 5 μ V for 6 dB S/N; image rejection > 55 dB; S/N with 1,000 Hz, 5 mV signal > 44 dB; 17.52" W x 2.76" H x 14.84" D; 13.2 lbs \$379

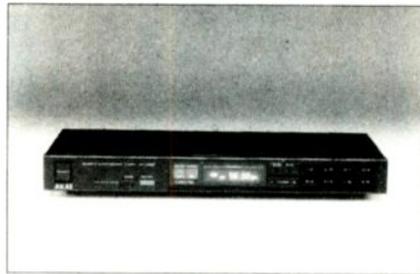
AKAI

AT-A301 Quartz Digital AM/FM Tuner

Features 16 random presets and preset scanning. FM

For explanations of abbreviations, specifications, and technical terms, turn to the vocabulary on page 18.

section: IHF sens mono 11.2 dBf; FM usable sens mono 11.2 dBf; 50-dB quieting sens mono 16.2 dBf; 50-dB quieting sens stereo 37.2 dBf; THD stereo



0.3%, mono 0.1%; S/N stereo 65 dB, mono 75 dB; FR 35-15,000 Hz \pm 0.5 dB; capture ratio 1.5 dB; sep 45 dB at 1,000 Hz; AM suppression 60 dB. AM section: sens 300 μ with built-in antenna. 17.3" W x 2.1" H x 10.8" D; 6.4 lbs \$160

AMBER

Model 7 AM/FM Tuner

AM/FM digital-synthesized tuner with 12 presets. Features 75/300-ohm antenna connections; built-in AM ferrite loopstick; auto FM station scanning; memory back-up; in black or silver; solid walnut side panels standard. FM section: IHF sens mono 3 μ V (15.2 dBf), stereo 40 μ V (37.2 dBf); FM usable sens mono 40 μ V (37.2 dBf), stereo 2 μ V (11.2 dBf); 50-dB quieting sens mono 3 μ V (15.2 dBf), stereo 40 μ V (37.2 dBf); THD stereo 0.1%, mono 0.08% at 100 Hz; S/N 73 dB stereo, 75 dB mono; FR 30-15,000 Hz \pm 2 dB; capture ratio 1.0 dB; sep 48 dB at 1,000 Hz; AM suppression 58 dB; alternate-ch rejection 60 dB. AM section: sens 300 μ V with built-in antenna; 17" W x 2 1/2" H x 11 1/2" D; 8 1/2 lbs \$379

BELLES RESEARCH

DCA Class A Tuner

Analog-tuning (varactor diode) digital-display tuner with discrete Class A circuits. Features wide or narrow reception; hand-selected and -matched transistors; LED frequency display; tuning LED; stereo LED; AFC; mute; mono switch; narrow and blend functions. Usable sens mono 8.8 dBf, stereo 11.2; 50-dB quieting sens mono 13.2 dBf, stereo 34; S/N mono 75 dB, stereo 73; THD: mono wide 0.02%, mono narrow 0.05%, stereo wide 0.023%, stereo narrow 0.05%; capture ratio 1.5 dB; alternate ch attenuation wide 50 dB, narrow 83; adjacent ch attenuation wide 8 dB, narrow 20; sep wide 60 dB at 1,000 Hz, 40 at 10,000; FR 20-16,000 Hz -3 dB; AM suppression ratio 60 dB; image rejection ratio 75 dB; 19,000 and 38,000 Hz products -50 dB; antenna imp 75 ohms (F connector). 19" W x 2.25" H x 8" D; 5.5 lbs \$475

CAMBRIDGE AUDIO

T35 Digital Tuner

Features 8 AM and 8 FM presets; 4-position variable bandwidth; digital frequency readout; ergonomic rotary tuning; stereo indicator; signal-strength indicator; solid wood end panels. 17 1/2" W x 2 1/2" H x 11" D; 12 lbs \$499

CARVER

TX-11 FM-Stereo Tuner

Digital quartz-synthesized FM stereo tuner with Asym-

metrical Charge Coupled FM Detector circuit that virtually eliminates distortion from multipath distant-station interference while retaining full separation. Incorporates Bob Carver's latest circuit refinements. Features digital tuning; 16 programmable station presets; auto/manual station scanning; wide/narrow bandwidth selector for increased performance in cities. Supplied with antenna. Two-year factory parts and labor warranty. Usable sens 1 μ V mono, 3.1 μ V stereo with CCD; 50-dB quieting sens 3.1 @V stereo with CCD; S/N 85 dB in stereo; FR 20-15,000 Hz \pm 1 dB; alternate-ch sel 110 dB; capture ratio 1.0 dB; AM suppression 65 dB; image, I-F, spurious-response ratio 110 dB; output level/imp 700 mV/600 ohms; power consumption 15 W; 17 1/2" W x 12 1/2" D x 3 1/2" H; 11.25 lb \$599

TX-2 AM/FM Tuner

AM/FM stereo tuner with Asymmetrical Charge Coupled FM Detector. FM section: FM usable sens mono 1.8 μ V, stereo 4.5 μ V; 50-dB quieting sens stereo 5 μ V; THD stereo 0.4%, at 1,000 Hz; S/N 70 dB stereo; FR 20-15,000 Hz \pm 1.5 dB; capture ratio 1.5; sep 43 dB at 1,000 Hz; AM suppression 60 dB; alternate-ch rejection 58 dB; adjacent-ch rejection 28 dB. AM section: FR 20-2,000 Hz \pm 1 dB; sens 250 μ V with built-in antenna \$375

M.R. CREEK LTD.

3040 FM Tuner

FM tuner with design features to pull in weak FM stations. 7 lbs; 16 1/2" W x 2 1/2" H x 6 1/2" D ... \$295

CROWN

FM Three Tuner

AM/FM tuner with Schotz noise reduction. Features 6 AM and 6 FM memory presets; multipath indicator; channel scanning; digital detector; dual quartz system to improve S/N; toroidal transformer to reduce hum and noise; calibrated signal-strength indicator. FM section: 50-dB quieting sens mono 2.8 μ V (14.2



dBf), stereo 18 μ V (30.3 dBf); THD stereo 0.05% at 1,000 Hz; S/N 75 dB stereo, 80 dB mono; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1.5 dB; sep 60 dB at 1,000 Hz; AM suppression 80 dB; alternate-ch rejection 75 dB. AM section: FR 40-2,000 Hz \pm 3 dB; sens 300 μ V with built-in antenna; 19" W x 1 1/4" H x 11 1/2" D; 8 lbs \$795

DENON

TU-767 Stereo Tuner

AM/FM stereo tuner with Super Searcher System designed to eliminate interference from broadcast intermodulation. Features 16 station presets; cable-ready; rec calibration; side panel standard. FM section: FM usable sens mono 0.9 μ V (10.2 dBf), stereo 0.9 μ V (10.2 dBf); 50-dB quieting sens mono 1.5 μ V

(14.2 dBf), stereo 15.8 μ V (35.2 dBf); THD stereo 0.04%, mono 0.03% at 1,000 Hz; S/N 82 dB stereo, 88 dB mono; FR 20-15,000 Hz \pm 1.5 dB; capture ratio 1 dB; sep 57 dB at 1,000 Hz; AM suppression 65 dB; alternate-ch rejection 100 dB. AM section: sens 18 μ V with built-in antenna \$325

TU-747 Digitally Synthesized Tuner

Cable ready AM/FM stereo tuner with 16 station presets. FM section: FM usable sens mono 0.9 μ V (10.2 dBf), stereo 0.9 μ V (10.2 dBf); 50-dB quieting sens mono 1.5 μ V (14.2 dBf), stereo 15.8 μ V (35.2 dBf); THD stereo 0.1%, mono 0.08% at 1,000 Hz; S/N 80 dB stereo, 84 dB mono; FR 20-15,000 Hz \pm 1.5 dB; capture ratio 1 dB; sep 50 dB at 1,000 Hz; AM suppression 60 dB; alternate-ch rejection 85 dB. AM section: sens 18 μ V with built-in antenna \$250

TU-720 Stereo Tuner

Analog AM/FM-stereo tuner with high sensitivity FET front end, servo lock, and rec calibration. FM section: IHF sens mono 1.7 μ V (15.6 dBf), stereo 15 μ V (34.7 dBf); FM usable sens mono 0.85 μ V (9.8 dBf); 50-dB quieting sens mono 1.7 μ V (15.6 dBf), stereo 15 μ V (34.7 dBf); THD stereo 0.06%, mono 0.04% at 1,000 Hz; S/N 84 dB stereo, 86 dB mono; FR 20-15,000 Hz \pm 1.5 dB; capture ratio 1 dB; sep 55 dB at 1,000 Hz; AM suppression 55 dB; alternate-ch rejection 95 dB. AM section: sens 15 μ V with built-in antenna \$200

DUAL by ORTOFON

CT1260 Stereo Tuner

Quartz-synthesized AM/FM tuner. Features digital display; automatic station search; 15 AM/FM presets; FM muting \$250

HAFLER

DH-330 Tuner

Tuner provides exact station selection with a quartz-controlled, digitally synthesized tuning system. Features multipath distortion and noise-sensing circuit; 5-station memory; Autosearch; digital read out; non-volatile memory; 3 dual-gate MOSFETs; triple-tuned RF stage volume control and separate output on front panel for taping or headphones; kit is comprised of 4 fully assembled, tested, and aligned circuit boards which plug together. Usable sens 11.3 dBf; 50-dB quieting sens mono 17.2 dBf, stereo 37.2 dBf; dist. at 1,000 Hz, 100% modulation mono .15%, stereo 0.18%; capture ratio 1.5 dB; alternate ch sel 70 dB; sep 45 db at 1,000 Hz; 35 dB at 10,000 Hz; S/N, mono, 72 dB, stereo, 68 dB. Kit \$385
Assembled \$460

HARMAN KARDON

TU-915 AM/FM Stereo Tuner

Digitally synthesized quartz-locked tuner with seek/manual tuning. Features 8 AM/8 FM station presets; flywheel stabilized tuning knob; sample-and-hold MPX decoding; high blend control; variable output level; variable muting level; usable sens 0.95 μ V; 50-dB quieting sens mono 1.8 μ V, stereo 20 μ V; THD stereo 0.08%, mono 0.05%; S/N 74 dB stereo, 82 dB mono; capture ratio 1.0 dB; alternate-ch sel 70 dB; $17\frac{1}{2}''$ W \times $2\frac{1}{8}''$ H \times $14\frac{1}{4}''$ D \$345

TU-910 AM/FM Stereo Tuner

AM/FM tuner with analog tuning. Features servo-lock tuning; sample-and-hold MPX decoding; low-group-delay IF section; high-capacity regulated power supply; variable output level. Usable sens 0.95 μ V; 50-dB quieting sens mono 1.8 μ V, stereo 20 μ V; THD stereo 0.1%, mono 0.06%; S/N 74 dB stereo, 82 dB mono; capture ratio 1.0 dB; alternate-ch sel 70 dB; $17\frac{1}{2}''$ W \times $2\frac{1}{8}''$ H \times $14\frac{1}{4}''$ D \$215

TU-905 AM/FM Stereo Tuner

Analog AM/FM stereo tuner. Features high-inertia flywheel, all-metal chassis; high capacity regulated power supply. FM section: FM usable sens mono 0.95 μ V (10.8 dBf), 50-dB quieting sens mono 1.9 μ V; THD stereo .15%, mono .09%; S/N 71 dB stereo, 77 dB

mono; capture ratio 1.3 dB; sep 65 dB at 1,000 Hz; alternate-ch rejection 50 dB. AM section: sens 9 μ V with external antenna; $17\frac{1}{2}''$ W \times $2\frac{1}{8}''$ H \times $14\frac{1}{4}''$ D; 10 lbs \$175

HITACHI

FT-5500 Tuner

AM/FM stereo tuner with Field Condition Compute System reception. Features IF wide/high selectivity switching and RF normal/high selectivity mode in front end; brightener MPX circuit; 10-station random-access presets; high-gain AM loop antenna circuit; FET RF amp; 4-element ladder ceramic filters; FM rec level check switch; memory backup power supply; FM auto sweep tuning; 9 kHz/10 kHz channel spacing selector; FM section: usable sens IHF, RF normal mode mono 10.8 dBf 1.0 V, 75 ohms; quieting sens 50 dB mono (19.2 dBf), stereo 38.2 dBf; S/N at 65 dBf, mono 85 dB, stereo 78 dB; THD IF wide mode 1,000 Hz mono 0.04%, stereo 0.06%; FR 20-15,000 Hz \pm 0.5 dB; capture ratio wide 1.0 dB; AM suppression ratio 65 dB; stereo sep 60 dB; AM section sens IHF, loop antenna 12 V, 250 V/m; sel 1,000 Hz \pm 10 kHz 50 dB; S/N 54 dB; image rejection ratio 1,000 Hz 50 dB; $17\frac{1}{2}''$ W \times $2\frac{1}{8}''$ H \times $12\frac{1}{2}''$ D; 8 lb 13 oz \$350

JVC

T-X900B Tuner

Computer-controlled digital synthesizer tuner. Features auto memory and program memory for unattended recording; dB reference signal-strength indicator. IHF sens mono 88 dBf; IHF sens stereo 82 dBf; FM usable sens stereo 10.8 μ V; 50-dB quieting sens mono 1.8 μ V (16.3 dBf); 50-dB quieting sens stereo 22 μ V (38.1 dBf); THD stereo 0.06%; mono 0.04% at 1,000 Hz; S/N stereo 82 dB, mono 88 dB; FR 30-15,000 Hz \pm 0.3, -1.0 dB; capture ratio 1.0 dB; sep 60 dB at 1,000 Hz; AM suppression 65 dB; alternate-ch rejection 30 dB wide; 80 dB narrow; sens 300 μ V with external antenna; 8.4 lbs; $17\frac{1}{2}''$ W \times $3''$ H \times $11\frac{1}{4}''$ D \$350

T-X300B Tuner

Multi-programmable digital synthesizer tuner; can be programmed to turn receiver on and off up to 16 times. Features 8 AM/8 FM presets with one touch recall. IHF sens mono 82 dBf; IHF sens stereo 78 dBf; FM usable sens stereo 10.8 dBf; 50-dB quieting sens mono 1.8 μ V (16.3 dBf); 50-dB quieting sens stereo 22 μ V (38.1 dBf); THD stereo 0.08%, mono 0.08% at 1,000 Hz; S/N stereo 82 dB, mono 78 dB; FR 30-15,000 Hz \pm 0.3, -3.0 dB; capture ratio 1.0 dB; sep 50 dB at 1,000 Hz; AM suppression 60 dB; alternate-ch rejection 30 dB wide, 80 dB narrow; sens 300 μ V with external antenna; 7.1 lbs; $17\frac{1}{2}''$ W \times $3''$ H \times $11\frac{1}{8}''$ D \$270

KENWOOD

Basic Series KT 880(B) Tuner

AM/FM tuner quartz PLL synthesizer tuner. Features new direct linear loop detector (DLLD); system for low distortion and S/N performance; 12 stations random preset for AM/FM; electronic fluorescent frequency readout; automatic FM tuning system; 2 stations pre-programming for absentee recording, high sensitivity. FM section: FM usable sens mono 0.95 μ V (10.8 dBf), 50-dB quieting sens mono 1.80 μ V (16.2 dBf), stereo 24.0 μ V (38.8 dBf); THD stereo 0.02%, mono 0.018% at 1,000 Hz; S/N 76 dB stereo, 88 dB mono at 65 dBf; FR 20-15,000 Hz \pm 0.2 dB, -1.0 dB; capture ratio 1.0 dB; sep 68 dB at 1,000 Hz; AM suppression 70 dB; alternate-ch selectivity 65 dB. Spurious rejection ratio 100 dB; IF rejection ratio 100 dB. $17\frac{1}{2}''$ W \times $2\frac{1}{2}''$ H \times $12\frac{1}{2}''$ D; 7.3 lbs \$235

KT-74(B) Direct-Access Tuner

AM/FM quartz synthesizer tuner. Features 10-key direct-access tuning; digital frequency counter; total 10 presets for AM/FM; digital clock, two-speed station tuning; automatic fine tuning and station seek. FM section: FM usable sens stereo 0.95 μ V (10.8 dBf); 50-dB quieting sens mono 3.0 μ V (14.5 dBf); THD

stereo 0.3%, mono 0.1% at 100 Hz; S/N 70 dB stereo, 77 dB mono at 65 dBf; FR 30-15,000 Hz \pm 0.5 dB, -2.5 dB; capture ratio 1.5 dB; AM suppression 65 dB. AM section: sens 400 μ V with built-in antenna, 10 μ V with external; $16\frac{1}{32}''$ W \times $2\frac{27}{32}''$ H \times $10\frac{1}{8}''$ D; 6.4 lbs \$200

KT-54(B) Digital Tuner

AM/FM quartz synthesizer digital push-button tuner. Features 14 station random memory; digital frequency counter; LED signal strength indicator. FM section: FM usable sens stereo 0.95 μ V (10.8 dBf); 50-dB quieting sens mono 3.0 μ V (14 dBf); THD stereo 0.3%, mono 0.2% at 100 Hz; S/N 70 dB stereo, 76 dB mono at 65 dBf; FR 30-15,000 Hz \pm 0.5 dB, -2.5 dB; capture ratio 2.0 dB; AM suppression 55 dB; alternate-ch rejection 50 dB. AM section: sens 20 μ V with built-in antenna; $16\frac{1}{32}''$ W \times $2\frac{27}{32}''$ H \times $10\frac{1}{8}''$ D; 6.4 lbs \$160

KINERGETICS

KBT-1 Digital Tuner

AM/FM tuner with 5 AM and 5 FM presets. Features remote power supply; scan mode tuning; selectability IF bandwidth; feed-forward hysteresis correction. FM section: IHF sens mono 1.9 μ V (10.8 dBf), stereo 2.5 μ V (13.2 dBf); FM usable sens mono 1.2 μ V (6.8 dBf), stereo 1.6 μ V (9.2 dBf); 50-dB quieting sens mono 2.6 μ V (13.5 dBf), stereo 3.5 μ V (36.1 dBf); THD stereo 0.05%, mono 0.05% at 1,000 Hz; S/N 70 dB stereo, 75 dB mono; FR 20-16,000 Hz \pm 1.5 dB; capture ratio < 1.5 dB; sep 40 dB at 1,000 Hz; AM suppression 60 dB; alternate-ch rejection 50 dB. AM section: FR 30-6,000 Hz \pm 3 dB; sens 3.5 μ V with external antenna; black or silver 19" rack mount panel; 19" W \times 2" H \times 15" D; 15 lbs \$690

KYOCERA

T-910 Tuner

Digital PLL quartz synthesized AM/FM stereo tuner. Features Dynamic Noise Reduction; 16 station presets; nonferrous ceramic base/chassis, 2 FM antennas; computer programmed narrow/wideband IF selection. FM section: FM usable sens 1.7 μ V (9.8 dBf); 50-dB quieting sens mono 3.0 μ V (35 dBf); THD 0.07%, mono 0.06% at 1,000 Hz; S/N stereo 76 dB, mono 88 dB; capture ratio 1.0 dB; sep 58 dB at 1,000 Hz; AM suppression 1.0 db; alternate-ch rejection 85 dB narrow, 40 dB normal. AM section: sens 350 μ V with built-in antenna, 20 μ V with external antenna. 26.5 lbs \$590

LUXMAN

T-407 Digital Tuner

MTS stereo AM/FM/TV tuner with dbx. $17\frac{1}{16}''$ W \times $4''$ H \times $12\frac{1}{32}''$ D; 10.1 lbs \$600

T-02 Digital Tuner

PLL frequency-synthesized AM/FM stereo tuner. FM section: FM usable sensitivity stereo 1.8 μ V; THD stereo 0.06%, mono 0.05% at 1,000 Hz; S/N 77 dB stereo, 81 dB mono; FR 20-15,000 Hz \pm 0.5 dB; sep 55 dB at 1,000 Hz; $17\frac{1}{16}''$ W \times $3\frac{1}{16}''$ H \times $13\frac{1}{16}''$ D; 10.6 lbs \$400

T-240 Digital Tuner

PLL frequency-synthesized AM/FM stereo tuner. FM section: FM usable sens stereo 1.8 μ V (10.3 dBf); THD stereo 0.1% at 1,000 Hz; S/N 74 dB stereo, 76 dB mono; FR 30-15,000 Hz \pm 0.5 dB; sep 50 dB at 1,000 Hz; $17\frac{1}{16}''$ W \times $3''$ H \times $9\frac{1}{8}''$ D; 6.6 lbs \$200

MARANTZ

ST 74 Stereo Tuner

AM/FM tuner. FM section: IHF sens 10.3 dBf; 50-dB quieting sens mono 13.2 dBf; THD stereo 0.3%, mono 0.2% at 1 Hz; S/N 72 dB stereo, 80 dB mono; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1 dB; sep 48 dB at 1,000 Hz; AM suppression 65 dB; alternate-ch rejection 70 dB. $16\frac{1}{8}''$ W \times $2\frac{1}{8}''$ H \times $11\frac{1}{2}''$ D; 7.3 lbs \$260

ST 551 Stereo Tuner

AM/FM stereo tuner. FM section: IHF sensitivity mono 10.8 dBf; 50-dB quieting sensitivity mono 15 dBf, stereo 37 dBf; THD stereo 0.3%, mono 0.15% at 1 Hz; signal-to-noise ratio 70 dB stereo, 76 dB mono; frequency response 30-15,000 Hz \pm 0.5 dB; capture ratio 1 dB; channel separation 60 dB at 1,000 Hz; AM suppression 60 dB. 16 $\frac{1}{2}$ " W \times 3 $\frac{1}{8}$ " H \times 7 $\frac{1}{8}$ " D; 5 lbs \$220

MISSION ELECTRONICS**Cyrus Digital Tuner**

Quartz locked digital synthesized tuner AM/FM tuner to match the cyrus amplifier. Features 19 FM presets; 9 AM presets; automatic scanning with automatic FM mute. FM section: FM usable sens mono 0.85 μ V (26 dBf), stereo 19 μ V (46 dBf); THD stereo 0.42%, mono 0.17% at 1,000 Hz; S/N 73 dB stereo, 76 dB mono; FR 20-15,000 Hz \pm 1 dB; capture ratio 73 dB; sep 45 dB at 1,000 Hz; AM suppression 47 dB; pilot tone rejection 42 dB; image frequency rejection 57 dB; cross modulation suppression 36 dB; output 1 V. AM section: FR 20-15,000 Hz \pm 1 dB; sens 140 μ V with built-in antenna; 8 $\frac{1}{2}$ " W \times 3" H \times 13 $\frac{1}{2}$ " D; 1.9 kg \$299

NAD**4155 Tuner**

Digitally synthesized AM/FM stereo tuner featuring dynamic sep circuit. Contains 5 AM/FM presets; search scan; mute; output level control. FM section: mono 1.7 μ V (9.8 dBf); sens stereo 2.5 μ V (13.2 dBf); 50-dB quieting sens mono 2.5 μ V (93.2 dBf); 50-dB quieting sens stereo 22 μ V (32 dBf); THD stereo 0.09%, mono 0.09% at 1,000 Hz; S/N stereo 75 dB, mono 82 dB. FR 30-15,000 Hz \pm 0.5 dB; capture ratio < 1.5 dB; sep 50 dB at 1,000 Hz; AM suppression > 65 dB; alternate-ch rejection 70 dB; adjacent-ch rejection 8 dB. AM section: sens 300 μ V with built-in antenna; 8 lb 10 oz; 16.5" W \times 3" H \times 11" D \$348

4130 AM/FM-Stereo Tuner

Digitally synthesized AM/FM-stereo tuner with NAD's new dynamic blend circuit. Features. FM usable sens 1.8 μ V mono; 50-dB quieting sens mono 14.2 dBf, stereo 34.2 dBf; S/N mono/stereo 82/75 dB; FR 30-15,000 Hz \pm 0.5 dB; THD mono/stereo 0.9%/0.9% @ 1,000 Hz; capture ratio < 1.5 dB; alt-ch rejection 70 dB; sep 50 dB \$198

NAKAMICHI**ST-7 AM/FM Tuner**

Tuner with Schotz noise reduction. Features signal/multipath meter; 16 station presets; output level controls (R + L independent). FM section: IHF sens mono 1.7 μ V (10 dBf), stereo 3.9 μ V (17 dBf); FM usable sens mono 1.7 μ V (10 dBf), stereo 3.9 μ V (17 dBf); 50-dB quieting sens mono 2.7 μ V (14 dBf);



stereo 14 μ V (28 dBf); THD stereo 0.08%, mono 0.06% at 1,000 Hz; signal-to-noise ratio 76 dB stereo, 80 dB mono; frequency response 20-15,000 Hz \pm 1 dB; capture ratio 1.9 dB; sep 55 dB at 1,000 Hz; AM suppression better than 60 dB; alternate-channel rejection better than 60 dB. 17 $\frac{1}{8}$ " W \times 2 $\frac{1}{2}$ " H \times 11 $\frac{1}{8}$ " D; 10 lbs, 6 oz \$595

NAIM BY AUDIOPHILE SYSTEMS**NAT-01 Stereo FM Tuner**

Modular tuner with independent power supply. Circuitry processes weak signals so most sensitivity specifications are inapplicable. Frequency response 20-15,000 Hz -1 dB; channel separation 38 dB at 1,000 Hz \$1,595

NEC**T-6 Digital Tuner**

AM/FM PLL synthesizer tuner with 14 presets, scan and mono/stereo switching, and memory backup. FM section: 50-dB quieting sens mono 3.4 μ V (15.9 dBf), stereo 38 μ V (36.8 dBf); THD stereo 0.08%, mono 0.06% at 1,000 Hz; S/N 78 dB stereo, 83 dB mono; FR 30-15,000 Hz \pm 0.3/-0.8 dB; capture ratio 1.0 dB; sep 55 dB at 1,000 Hz; AM



suppression 55 dB; alternate-ch rejection 80 dB; adjacent-ch rejection 100 dB. AM section: FR 100-3,000 Hz \pm 3 dB; sens 300 μ V with built-in antenna; S/N 52 dB; sel 40 dB. 16 $\frac{1}{32}$ " W \times 1 $\frac{1}{32}$ " H \times 12 $\frac{1}{16}$ " D; 8.6 lbs \$229

ONKYO**T-9090 Integra FM Tuner**

Quartz digitally synthesized FM stereo tuner with computer-controlled Auto Precision Reception system. Features wide/narrow/super narrow sel; FM feedback system; 20-station memory; auto scan; preset scan; touch lock function selectors; multi-function display \$600
CW-30R. Wood side panels for use with T-9090 tuner \$90

T-4077 Integra AM/FM Tuner

Computer-controlled quartz-synthesized AM/FM tuner. Features Automatic Precision Reception; 20-station random memory; APR override; preset station scan. Usable sens mono 8.1 dBf, stereo 17.24 dBf; 50-dB quieting sens mono 16 dBf, stereo 36 dBf. Black only \$350

T-4057 MOSFET Integra Tuner

Computer-controlled quartz-synthesized AM/FM tuner. Features 3-mode APR; 20-station random memory; high-blend override; MOSFET RF amp; multi-phase



lock loop. FM section: FM usable sens mono 1.9 μ V (10.8 dBf), stereo 4.0 μ V (17.2 dBf); 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 35 μ V (36.1 dBf); THD stereo 0.2%, mono 0.1%; S/N 68 dB stereo, 75 dB mono; FR 30-15,000 Hz \pm 1.5 dB; capture ratio 1.3 dB; sep 40 dB at 1,000 Hz; AM section: sens 25 μ V with built-in antenna; 17 $\frac{1}{8}$ " W \times 3" H \times 14 $\frac{1}{8}$ " D; 9 lbs; black only \$240

T-4037 Quartz Synthesized AM/FM Tuner

Features 16-station memory (8 AM, 8 FM); battery-free memory backup; digital frequency display; digital preset station indicators; mute/mode switch. FM section: FM usable sens mono 2.0 μ V (11.2 dBf), stereo 4.0 μ V (17.2 dBf); 50-dB quieting sens mono 3.5 μ V (16.1 dBf), stereo 35 μ V (36.1 dBf); THD stereo 0.2%, mono 0.1%; S/N 66 dB stereo, 73 dB mono; FR 30-15,000 Hz \pm 1.5 dB; capture ratio 1.5 dB; sep 40 dB at 1,000 Hz; AM suppression 50 dB; alternate-ch rejection 55 dB. AM section: sens 25 μ V with built-in antenna; 17 $\frac{1}{8}$ " W \times 3" H \times 14 $\frac{1}{8}$ " D; 7.5 lbs; black only \$165

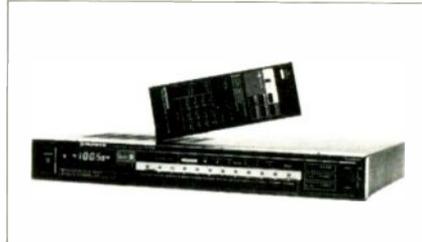
PARASOUND**ST220 AM/FM Tuner**

Quartz-synthesizer AM/FM tuner with phase-lock-loop

tuning. Features 6 AM, 6 FM presets; auto or manual tuning; 4-LED signal-strength indicator. FM section: IHF sens mono 10.8 dBf; 50-dB quieting sens mono 16.1 dBf), stereo 37.7 dBf; THD stereo 0.15%, mono 0.1% at 1,000 Hz; S/N 76 dB stereo, 82 dB mono; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1.4 dB; sep 48 dB at 1,000 Hz; AM suppression 65 dB; alternate-ch rejection 66 dB; adjacent-ch rejection 8 dB. AM section: FR 30-3,500 Hz \pm 0.5 dB; sens 175 μ V with built-in antenna; 17 $\frac{1}{8}$ " W \times 2 $\frac{1}{8}$ " H \times 11" D; 10 lbs \$220

PIONEER ELECTRONICS**TX-V1160 Digital AM/FM/TV Tuner**

Quartz-PLL synthesizer AM/FM/TV tuner. Features Multi-channel TV Sound Decoder; 24 FM/AM random presets; 12 TV random presets; FM/AM/TV simulcast reception; optional wireless remote (CU-760). FM



section: FM usable sens mono 1 μ V (11.2 dBf); 50-dB quieting sens mono 2 μ V (17.3 dBf), stereo 22.2 μ V (38.2 dBf); FR 30-15,000 Hz \pm 0.5, -0.7 dB; capture ratio 1.0 dB; AM section: sens 300 μ V with built-in antenna; 16 $\frac{1}{8}$ " W \times 2 $\frac{1}{8}$ " H \times 12 $\frac{1}{2}$ " D; 9 lbs, 11 oz \$330

F99X Digital AM/FM Tuner

Digital Direct Decoder AM/FM tuner. Features Quartz-PLL synthesizer tuning; 16 random presets; station search; LED signal strength meter. FM section: FM usable sens mono 0.95 μ V (10.8 dBf); 50-dB quieting sens mono 1.2 μ V (12.8 dBf), stereo 15 μ V (34.8 dBf); S/N 87 dB stereo, 94 dB mono; FR 20-15,000 Hz \pm 0.2, -0.8 dB; capture ratio 0.8 dB. AM section: sens 150 μ V with built-in antenna; 18" W \times 2 $\frac{1}{2}$ " H \times 12 $\frac{1}{8}$ " D; 9 lbs, 15 oz \$325

F77 Digital AM/FM Tuner

Digital Direct Decoder AM/FM tuner. Features linear front end; random 16 FM/AM presets; improved AM sound. FM section: FM usable sens mono 0.95 μ V (10.8 dBf); 50-dB quieting sens mono 1.4 μ V (14.2 dBf), stereo 17 μ V (35.9 dBf); FR 20-15,000 Hz \pm 0.4, -0.1 dB; capture ratio 1.0 dB. AM section: sens 150 μ V with built-in antenna; 16 $\frac{1}{8}$ " W \times 2 $\frac{1}{8}$ " H \times 8 $\frac{1}{8}$ " D; 5 lbs, 2 oz \$225

TX-1060 Digital AM/FM Tuner

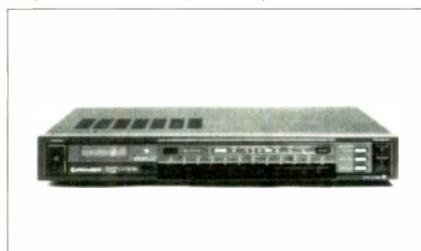
Quartz-PLL synthesizer AM/FM tuner. Features 16 AM/FM random presets; manual/auto tuning; quartz-PLL synthesizer front end. FM section: FM usable sens mono 1 μ V (11.2 dBf); stereo 17.8 μ V (36.2 dBf); FR 30-15,000 Hz \pm 0.5, -1.5 dB. AM section: sens 300 μ V with built-in antenna; 16 $\frac{1}{8}$ " W \times 2 $\frac{1}{8}$ " H \times 8 $\frac{1}{8}$ " D; 5 lbs, 5 oz \$150

PIONEER VIDEO**FT-V70 Stereo AM/FM/TV Tuner**

Stereo TV, AM/FM digital-synthesizer tuner. Features

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

stereo/SAP TV sound reception, 36 station presets; ch 2-83 tuner. FM section: usable sens mono 1 mV (11.2 dBf); 50-dB quieting sens mono 2 mV (17.3 dBf), stereo 22.2 mV (38.2 dBf); THD stereo 0.2%;



S/N stereo 75 dB, mono 80 dB; FR 87.5-108 MHz; capture ratio 1 dB; sep 40 dB at 1,000 Hz; alternate-channel rejection 65 dB. AM section: sens 300 mV with built-in antenna. TV section: S/N 65 dB; sep 35 dB (main). 16 $\frac{1}{16}$ " W x 2 $\frac{1}{8}$ " H x 12 $\frac{1}{2}$ " D; 9 lbs, 11 oz \$350

PROTON

440 Digital Tuner

Schotz-Design AM/FM tuner with Schotz Noise Reduction. Features digital station readout; 12 station presets; memory backup holds station settings for 2 weeks when unplugged; adjustable rear panel output level. FM section: FM usable sens mono 1.8 μ V (10.3 dBf); 50-dB quieting sens mono (15.3 dBf), stereo (33.2 dBf); THD stereo 0.2%, mono 0.05% at 1,000 Hz; S/N 70 dB stereo, 75 dB mono; FR 20-20,000 Hz \pm 0.2 dB; capture ratio 1.5 dB; sep 45 dB at 1,000 Hz; AM suppression 60 dB; alternate-ch rejection 55 dB; adjacent-ch rejection 90 dB. AM section: sens 300 μ V with built-in antenna; 16 $\frac{1}{2}$ " W x 2 $\frac{1}{2}$ " H x 9 $\frac{1}{4}$ " D; 15 lbs \$270

420 Analog AM/FM Tuner

Features low noise FET RF input stage reducing station overload; 3-gang front end; doubled-tuned quadrature FM detector and multiplex decoder; highly stylized black cabinet. FM section: FM usable sens mono 1.9 μ V; 50-dB quieting sens mono 3.5 μ V; THD stereo 0.20%; S/N 73 dB stereo; FR 20-20,000 Hz \pm 0.3 dB; capture ratio 1.5 dB; sep 45 dB at 1,000 Hz; AM suppression 60 dB; alternate-ch rejection 65 dB. AM section: sens 300 μ V with built-in antenna; 16 $\frac{1}{2}$ " W x 3" H x 13 $\frac{1}{4}$ " D; 8.5 lbs \$170

QUAD

FM4 FM Tuner

FM-stereo tuner designed to be used with Quad 44 preamp. Features no controls except 8 pushbuttons to store/recall station presets, tuning knob, power switch; bar-graph meter to indicate signal strength, center-channel tuning; dedicated microprocessor that recalls desired station from memory, tunes it, automatically sets muting, automatic frequency control levels. Stations stored in memory remain there for up to 5 years, even with power disconnected. Available in anthracite grey. Mono/stereo 50-dB quieting sens 2.7/25 μ V, mono/stereo S/N ratio 76/70 dB at 1 kHz, 1 mV A-wtd; mono/stereo distortion 0.05%/0.10% stereo; capture ratio 2.5 dB; sel 53 dB; image/i-f rejection 80/100 dB; FR 20-15,000 Hz \pm 0/-1 dB; crosstalk 40 dB at 1 kHz; pilot-tone suppression 60 dB; deemphasis switchable 50/75 μ sec; power consumption 6 W; 321 mm W x 207 D x 64 H; 3 kg \$595

RCA

MAT-110 Dimensia AM/FM Tuner

Features on-screen prompts of channel frequency and preset number. FM section: IHF sens mono 11.2 dBf; 50-dB quieting sens mono 19.2 dBf, stereo 38.2 dBf; THD stereo 0.15%, mono 0.1% at 1,000 Hz; S/N stereo 73 dB, mono 78 dB at 80 dBf input; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1 dB; sep 45 dB at 1,000 Hz; AM suppression 50 dB; alt-ch rejection 45 dB. AM section: sens 18 mV with built-in antenna. 17 $\frac{1}{8}$ " W x 2 $\frac{3}{8}$ " H x 9" D \$250

REVOX

B261 Remote-Controlled Tuner

Microcomputer-controlled tuner with programming feature covering ID and frequency of 20 preset stations, including preferred mode of reception for each station. Features 20 station selector buttons; infrared remote control; two separate muting threshold buttons; high blend button; auto station scanning; LCD display indicates stations and frequency alphanumerically; sens 0.5 μ V on 75 ohms for 26-dB S/N with 40-Hz deviation; usable sens mono 2 μ V, stereo 20 μ V on 75 ohms for a S/N ratio of 46 dB with 40,000 Hz deviation; capture ratio 0.8 dB for a S/N ratio of 30 dB at 40,000 Hz deviation and an input of 1 mV on 75 ohms; sel 80 dB tuned-in signal 100 μ V on 75 ohms; interfering signal 100 mV on 75 ohms modulated to a deviation of 40,000 Hz. FR 30-15,000 Hz \pm 1 dB measured with 40,000 Hz deviation and 1 mV input on 75 ohms; harmonic distortion 0.07% at 1,000 Hz and 40,000 Hz deviation mono and stereo L-R mV input on 75 ohms; S/N 75 dB, 30 Hz 15,000 Hz linear referred to deviation of 75,000 Hz with an input of 1 mV on 75 ohms; stereo sep 100 Hz 10,000 Hz, 40 dB 1,000 Hz, 43 dB referred to deviation of 40,000 Hz and an input of 1 mV on 75 ohms; 17 $\frac{3}{8}$ " W x 6" H x 13 $\frac{1}{8}$ " D; 18 $\frac{1}{2}$ " lbs \$1,500

ROTEL

RT850 AM/FM Tuner

Quartz-synthesizer AM/FM stereo tuner with microprocessor circuitry. Features 6 AM/6 FM presets, manual and autotune tuning. FM section: usable sens mono 2 μ V (11.2 dBf), 50-dB quieting sens mono 3 μ V (14.6 dBf), stereo 40 μ V (37.2 dBf); THD stereo 0.2%, mono 0.08% at 1,000 Hz; S/N 73 dB stereo, 75 dB mono; FR 30-15,000 Hz \pm 0, -2 dB; capture

ratio 1.0 dB; sep 48 dB at 1,000 Hz; AM suppression 58 dB. AM section: sens 300 μ V/m; S/N 50 dB; 17" W x 2 $\frac{1}{16}$ " H x 11 $\frac{1}{2}$ " D; 8.5 lbs \$299

RT83C AM/FM Tuner

Analog AM/FM stereo tuner with LED indicators for signal strength; muting switch. FM section: usable sens mono 2 μ V (11.2 dBf), 50-dB quieting sens mono 3.5 μ V (16 dBf), stereo 50 μ V (39.4 dBf); THD stereo 0.6%, mono 0.3% at 1,000 Hz; S/N 65 dB stereo, 70 dB mono; FR 35-13,000 Hz \pm 1.5 dB; capture ratio 2 dB; sep 38 dB at 1,000 Hz; AM suppression 62 dB; AM section: sens 300 μ V/m; S/N 45 dB; 17" W x 2 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D; 6.8 lbs .. \$149

SAE

T101 AM/FM Stereo Tuner

AM/FM computer direct-line digital tuner. Features 16 station presets (8 AM/8 FM), auto and manual tuning, signal strength, multipath, and level indicators, \mathbb{F} narrow, high blend, and memory scan. FM Section: IHF sens mono 1.8 μ V (10.3 dBf); IHF sens stereo 3.9 μ V (17 dBf); 50-dB quieting sens mono 2.75 μ V (14 dBf); 50-dB quieting sens stereo 32 μ V (35.3 dBf); THD stereo 0.08%, monophonic 0.05%



at 1,000 Hz; S/N stereo -70 dB, mono -75 dB. FR 30-18,000 Hz \pm 1, -2 dB; capture ratio 1.2 dB; sep 55 dB at 1,000 Hz; AM suppression -60 dB; alter-

Toshiba's CD player comes complete with rack system.



Not only is a CD player standard equipment in Toshiba's outstanding System 150, so is the double cassette deck with double-reverse, high speed dubbing and Dolby[®]B and C NR. As well as AM/FM stereo digital synthesizer tuner, 100 watt per channel integrated amplifier*, direct-drive turntable, 4-way speaker systems and 14-band graphic equalizer. All in a sleek glass-top cabinet. Toshiba's System 150. The only option is to buy it.

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NEW SUBSCRIBERS ONLY

Tuners

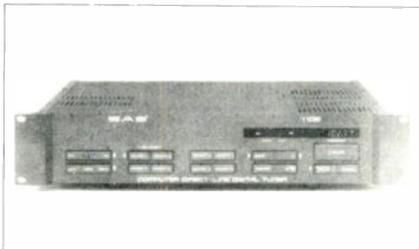
3

Tuners

alternate-ch rejection -100 dB narrow; adjacent-ch rejection -15 dB narrow; 20 lbs. \$650

T102 AM/FM Stereo Tuner

AM/FM computer direct-line digital tuner with 16 station presets; auto and manual tuning; IF narrow; high blend. FM section: IHF sens mono 2 μ V; stereo 4.1 μ V; 50-dB quieting sens mono 2.9 μ V, stereo 34 μ V; THD stereo 0.08%, mono 0.05% at 1,000 Hz, S/N

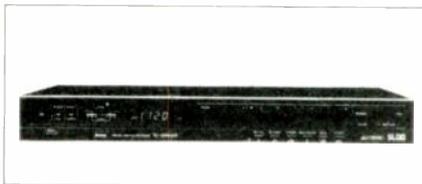


70 dB stereo, 70 dB mono; FR 30-18,000 Hz \pm 1, 2 dB; capture ratio 1.2 dB; sep 55 dB at 1,000 Hz; AM suppression -60 dB, alternate-channel rejection -100 dB narrow; adjacent-channel rejection -15 dB narrow. 19" W \times 3.5" H \times 12.5" D \$349

SANSUI

TU-D99X AM/FM Stereo Tuner

AM FM tuner with superlinear digital decoder. Features 5-gang tuner capacity; 8 AM/8 FM presets with scan; IF bandwidth selector; local/distant switch;



built-in tone generator for record level adjustments. THD stereo 0.015%, FR 20-15,000 Hz; 16 1/4" W \times 2 1/4" H \times 12 1/4" D; 9 lbs \$349
TU-D99AMX. Same as TU-D99X with automatic AM stereo reception \$389

TU-D55X AM/FM Stereo Tuner

AM/FM tuner with quartz-PLL synthesized tuning. Features auto and manual tuning; 8 AM/8 FM presets with scan; last-one memory; memory back-up. FM section FR 20-15,000 Hz. 16 1/4" W \times 2 1/4" H \times 10 1/4" D \$279
TU-D33X. Similar to TU-D55X with 6 AM/6 FM presets \$189

SCOTT

595T Computerized Digital AM/FM Tuner

Features 14 calculator-styled preset stations; tuning control center; frequency synthesized tuning; digital information display for readout; signal strength; center tuning; memory and preset station identification, auto/manual tuning; hi-blend filter; FM muting; quartz PLL frequency synthesis. FM section: IHF FM usable sens mono (10.8 dBf); 50-dB quieting sens mono (15 dBf), stereo (35 dBf); THD stereo 0.1%, mono 0.15% at 1,000 Hz; S/N 80 dB stereo, 75 dB mono; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1.5 dB; sep 47 dB at 1,000 Hz. AM section: sens 400 μ V with built-in antenna; 17" W \times 2 1/4" H \times 10 1/2" D; 8 lbs \$200

555T Analog AM/FM Stereo Tuner

Features 3 LED signal strength indicators, center tuning indicators; stereo indicator; PLL stereo decoder, linear frequency illuminated FM dial with lighted dial pointer; FM muting. FM section: IHF FM usable sens mono (9.8 dBf); 50-dB quieting sens mono (15 dBf), stereo (37 dBf); THD stereo 0.1%, mono 0.15% at 1,000 Hz; S/N 75 dB stereo, 80 dB mono; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1 dB; sep 50 dB at 1,000 Hz. AM section: sens 250 μ V with built-in antenna; 17" W \times 2 1/4" H \times 10 1/2" D; 8 lbs \$150

SHERWOOD

S-6010 CP AM/FM-Stereo Tuner

Digitally synthesized AM/FM-stereo tuner with dual-gate MOSFET Varactor-diode front end. Features 3 pairs matched linear-phase ceramic I-F filters; fluorescent digital frequency display; 8 AM/8 FM station presets with battery memory backup. FM usable sens 1.8 μ V (10.3 dBf); 50-dB quieting sens mono/stereo 3.2 μ V (15.3 dBf)/35 μ V (36.1 dBf); capture ratio 1.0 dB; alternate-ch sel 80 dB; S/N mono/stereo 80/75 dB, FR 20-15,000 Hz \pm 0.5 dB; 17 1/2" W \times 15 1/2" D \times 2 1/8" H; 10 lb \$250

SONY

ST-S555ES Tuner

FM stereo tuner with quartz synthesis. Features diversity A/B reception; programmed station presets. FM section: FM usable sens mono 1.8 μ V (10.3 dBf); 50-dB quieting sens mono 3.5 μ V (16.1 dBf); 50-dB quieting sens stereo 43 μ V (37.9 dBf); S/N, stereo 86 dB; mono 90 dB; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1 dB, sep 60 dB at 1,000 Hz; AM suppression 65 dB; alternate-ch rejection 90 dB; adjacent-ch rejection 80 dB; 16 lbs; 17" W \times 4 1/4" H \times 12 1/4" D \$450

ST-S444ES Tuner

Direct capacitor PLL stage, programmed system preset FM section: FM usable sens mono 1.8 μ V (10.3 dBf), 50-dB quieting sens mono 3.5 μ V (16.1 dBf); 50-dB quieting sens stereo 43 μ V (37.9 dBf); THD stereo 0.08%, mono 0.06%, at 1,000 Hz; S/N stereo 90 dB, mono 92 dB; FR 30-15,000 Hz \pm 0.5 dB; capture ratio 1 dB. AM section: sens 200 μ V with built-in antenna, 100 μ V with external antenna; 12 lbs; 17" W \times 4 1/4" H \times 12" D \$340

SOUNDCRAFTSMEN

T6200 AM/FM Stereo Digital Tuner

Digital quartz PLL tuner with 16 station presets, 5-digit station readout, auto scan tuning and active high blend filter. 19" rack-mount front panel. IHF sens 1.6 μ V; S/N 75 dB; distortion 0.08%; 2 1/4" H \times 19" W \times 12" D \$299

SUMO by ALL-AMERICAN AUDIO

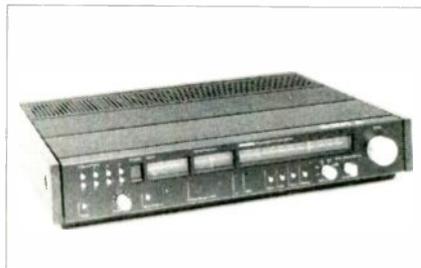
Charlie FM Digital Tuner

Quartz-controlled digitally synthesized FM tuner with separation and de-emphasis adjustments made independently of multiplex. Features blend; filter; mono; mute; IF narrow, single-step tuning; 5 station presets; 4-LED signal-strength meter; 5-LED multipath indicator. Usable sens 13 dBf (2.5 μ V) mono, 18 dBf (4 μ V) stereo IHF; 50-dB quieting sens 17 dBf (3.7 μ V) mono, 38 dBf (40 μ V) stereo; capture ratio 1.0 dB wide, 1.5 dB narrow; alternate ch sel 50 wide, 80 narrow; sep 50 dB at 1 kHz; THD 0.05% stereo at 1 kHz with 100% modulation; max S/N 74 dB stereo, 19" W \times 3.5" H \times 9" D; 12 lbs \$499

TANDBERG

TPT 3001A Programmable FM Tuner

Features computer-type logic servo tuning system; 8-ganged varactor tuning diodes in front end, dual-gate

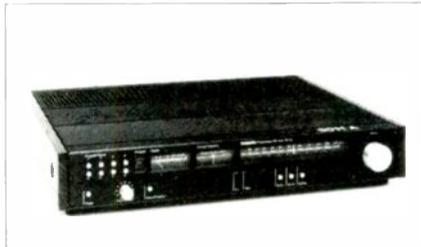


MOSFETs in R F and mixer stages; 8-station memory preset with touch-button recall and LED program readout; wide/normal/narrow I-F bandwidth selector;

autorange signal-strength with $\times 1,000$ meter range LED, center tuning preset frequency meters. Audio circuitry includes selected all-metal film resistors, polypropylene capacitors, and min negative feedback, mono, ANC, servo, mute switches with LEDs, 3-circuit muting; output level control; signal-to-noise ratio 90 dB, narrow selectivity 125 dB. Rosewood side panels optional \$1,295

TPT 3011A Programmable FM Tuner

Computerized FM-stereo tuner with 8 programmable station presets, automatic servo tuning released by touch sensor in tuning knob. Audio circuitry includes selected all-metal film resistors, polypropylene capacitors, and min negative feedback. Features 5-ganged electronic tuning circuits, 12-bit microprocessor



pretuning, memory system. FM sens for 50 dB quieting mono stereo 14.8 dBf (1.5 μ V)/37.3 dBf (20 μ V); S/N at 65 dBf mono stereo 78.75 dB; distortion at 50 dB quieting mono stereo 0.3% 0.3%; capture ratio 0.9 dB, alternate-ch sel > 100 dB, spurious-response < 70 dB, AM-suppression ratio .70 dB, 43.5 cm W \times 35 cm D \times 8.3 cm H. Rosewood side panels optional \$695

TECHNICS

ST-S8 AM/FM Digital Tuner

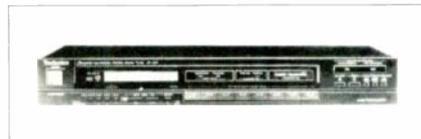
Quartz synthesizer DC tuner with 25 kHz reference frequency and narrow IF bandwidth. Features AM/FM 16 station random access memory; multi-function digital readout, back-up memory system; switchless wing antenna terminal. FM usable sens 10.8 dBf (0.95 μ V), 50-dB quieting sens mono/stereo 16.3 dBf (1.8 μ V) 37.2 dBf (20 μ V); S/N mono stereo 80.74 dB; THD mono stereo 0.04% 0.06%, alternate channel selectivity 55 dB, AM sensitivity 250 μ V m; 16 $\frac{1}{16}$ " W \times 15 $\frac{1}{32}$ " D \times 2 $\frac{1}{32}$ " H, 9 lb \$500

ST-G7 Tuner

Quartz-synthesizer AM/FM stereo DC tuner. Triple-quartz control (front end IF and MPX) for 120 dB i-f strip, quartz-controlled double PLL DC peak sample and hold MPX, digital linear detector using 1-shot multivibrator and mirror-loaded current stabilizer for wide dynamic range, auto i-f band width, 16 pre-sets, in out computer interface. THD stereo 0.03%, mono 0.02%; S/N stereo 94 dB, FR 4-18,000 Hz $+0.2$, -0.5 dB, capture ratio 1.0 dB, AM suppression 70 dB, sens 20 μ V; 9 lbs., 16 $\frac{1}{16}$ " W \times 3 $\frac{1}{16}$ " H \times 14 $\frac{1}{32}$ " D \$400

ST-G6T Stereo Tuner

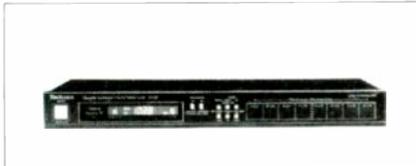
AM FM quartz synthesizer tuner. FM section IHF sens mono 1.2 μ V (12.8 dBf); THD stereo 0.03%, mono 0.02%; S/N 73 dB stereo, 80 dB mono, FR 4-18,000 Hz $+0.5/-1.5$ dB; sep 55 dB at 1,000 Hz.



AM section: sens 20 μ V with built-in antenna, 16 $\frac{1}{16}$ " W \times 2 $\frac{1}{2}$ " H \times 9 $\frac{1}{2}$ " D; 5.1 lbs. \$270

ST-G3 Stereo Tuner

AM/FM quartz synthesizer tuner. FM section: IHF sens mono 1.9 μ V (10.8 dBf); THD stereo 0.18%, mono 0.09% at 400 Hz; S/N 71 dB stereo, 76 dB mono; FR 4-18,000 Hz $+0.5/-1.5$ dB; sep 50 dB at 1,000 Hz. AM section, sens 20 μ V with built-in an-



tenna \$185

VECTOR RESEARCH

VU-1500 Tuner

Quartz PLL synthesized tuner. FM section: alternate-ch sel 60 dB, 50-dB quieting sens mono 3 μ V (10 dBf), 50-dB quieting sens stereo 40 μ V (37 dBf); max S/N A-wtd, mono 75 dB, stereo 73 dB; THD mono 0.08%, stereo 0.2% \$180

VU-1200 Tuner

High sens analog tuner. FM section: alternate-ch sel 60 dB; 50-dB quieting sens mono, 3.5 μ V (16 dBf); 50-dB quieting sens stereo, 50 μ V (39.4 dBf), max S/N A-wtd, mono 70 dB, stereo 65 dB; THD mono 0.3%; stereo 0.6%, sep 45 dB at 1,000 Hz \$110

YAMAHA

T-80 AM/FM Tuner

Digital computer servo-lock AM FM tuner. Features fine tuning using 5th digit in 0.01 MHz steps; 10 station presets, rec cal oscillator. FM section: FM usable sens mono 0.9 μ V (10.3 dBf); 50-dB quieting sens mono 1.6 μ V (15.3 dBf), stereo 20 μ V (37.2 dBf); THD stereo 0.03%, mono 0.03% at 1,000 Hz; S/N 86 dB stereo, 94 dB mono; FR 20-15,000 Hz $+2$, -0.5 dB; capture ratio 1.2 dB, sep 65 dB at 1,000 Hz; AM suppression 70 dB; alternate-ch rejection 85 dB. AM section, sens 10 μ V with built-in antenna \$395

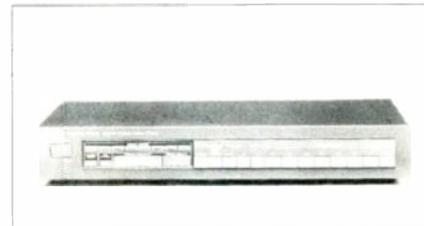
T-1000 AM/FM Tuner

Incorporates computer servo-lock tuning system to automatically select FM servo tuning mode or high-precision PLL mode. Features zero IM mixer; servo-gain control; ultra-linear direct FM detector, auto DX; programming of up to 10 AM or FM stations; direct coupled CMOS DC NFB multiplex demodulator; push-button auto search manual mono tuning; digital station frequency display; interchangeable station indicator cards, IHF S/N mono/stereo of 92.85 dB; 50-dB quieting sens 40 μ V (37.2 dBf) stereo; spurious response ratio 110 dB \$320

T-700. Similar to T-1000 except S/N IHF mono stereo of 89.84 dB; 50-dB quieting sens 40 μ V (37.2 dBf) stereo; spurious response ratio 70 dB \$280

T-520 AM/FM Tuner

Tuner with digital PLL tuning and 8 AM 8 FM presets. FM section, usable sens mono 0.8 microvolts (9.3 dBf), 50-dB quieting sens mono 1.55 μ V (15.1 dBf), stereo 21 μ V (37.7 dBf); THD stereo 0.2%, mono 0.1% at 1,000 Hz; S/N 76 dB stereo, 81 dB mono;



FR 30-13,000 Hz $+0.5$ dB; capture ratio 1.5 dB; sep 40 dB at 1,000 Hz; AM suppression 55 dB, alternate-ch rejection 85 dB. AM section: sens 10 μ V with built-in antenna \$220

T-320. Analog AM FM tuner with FM muting, signal quality meter \$160

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4 turntables

ACOUSTIC RESEARCH

Research Series

ETL-1 Manual Turntable

Manual belt-drive turntable with electronic speed control and 3-point dual-spring suspension system factory tuned with removable lead weights. Features adjustable isolation feet; sapphire main bearing;



33 $\frac{1}{3}$ and 45 RPM; 8 $\frac{1}{2}$ -lb platter. W&F 0.03% WRMS; rumble -81 dB; 20 $\frac{1}{4}$ " W x 7 $\frac{1}{2}$ " H x 17 $\frac{1}{2}$ " D (dustcover down); 29 lbs. Black lacquer \$850
Natural cherry \$700

Connoisseur Series

ES-1 Manual Turntable

Manual belt-drive turntable in various finishes with 24-pole synchronous motor. Features 33 and 45 RPM speeds. W&F 0.04% WRMS; rumble -78 dB; effective tonearm mass without cartridge 14.5 g; effective tonearm length 229 mm; max tracking error 2.6". 18 $\frac{1}{4}$ " W x 7" H x 15 $\frac{1}{4}$ " D (dustcover down); 18 lbs. Brazilian rosewood, with tonearm \$625
Brazilian rosewood, without tonearm \$500
Natural cherry, with tonearm \$475
Natural cherry, without tonearm \$350

AR Series

EB-101 Manual Turntable

Manual belt-drive pivoted-arm turntable with fully isolated 3-point suspension. Arm and platter on subchassis formed by pressed-steel T-bar spring-suspended and damped at 3 points. 33 $\frac{1}{3}$ and 45 RPM. Features 12-pole synchronous motor (500 RPM at 50 Hz, 600 RPM at 60 Hz); 3.9-lb platter; detachable carbon-fibre headshell with clamping screw on arm; base finished in oiled walnut veneer. W&F 0.05% DIN; rumble -72 dB DIN; effective tonearm mass without cartridge 12 g; cartridge weight range 3-9 g; effective tonearm length 229 mm; overhang 16 mm; vertical and horizontal friction < 100 mg; 18 $\frac{1}{4}$ " W x 7" H x 15 $\frac{1}{4}$ " D (dustcover down); 13 $\frac{1}{2}$ lbs \$400

ADC

LT 60 Linear-Tracking Turntable

Fully automatic belt-drive turntable. Features P-Mount compatible; 33 $\frac{1}{3}$ and 45 RPM; soft-touch electronic controls; illuminated electronic strobe with pitch control; anti-feedback suspension. 16.5" W x 5" H x 15.5" D (dustcover down); 15.5 lbs \$140

LT 34 Fully Automatic Turntable

Compact linear-tracking turntable. Features P-Mount compatible; 33 $\frac{1}{3}$ and 45 RPM; belt-drive; 2 DC servo-controlled motors; anti-feedback suspension. 9.5 lbs \$100

ADS

Atelier P4 Turntable

Fully automatic turntable with quartz-crystal-controlled direct drive. Features PLL; quartz lock; pivoted arm; platter motor; ultra-low-mass tonearm; 33 $\frac{1}{3}$ and 45 RPM; variable speed control with strobe;



holds platter and tonearm on a subchassis that floats on 4 tuned mounts. W&F $\pm 0.025\%$ WRMS; rumble -75 dB DIN B, 53 dB DIN A; effective tonearm length 8 $\frac{1}{4}$ "; max tracking error 2.2"; 17.5" W x 4.53" H x 14.25" D (dustcover down); 11 lbs \$499

Atelier P2 Turntable

Direct-drive semiautomatic turntable. Features frequency-generator servo-controlled motor; isolated ultra-low-mass tonearm; integrated cartridge or universal mounting shell; operating controls outside dustcover; silicone-damped cueing mechanism; switchable indexing. W&F < 0.05% DIN/0.03% WRMS; rumble > 48 dB DIN-A/70 dB DIN-B; platter is die-cast aluminum with mass concentrated at perimeter; platter diameter 300 mm (11.81"); platter weight 1.1 kg (2 lb, 7 oz); maximum vertical tracking error 2.2"; vertical tracking force adjustment range 0-2 g; anti-skating adjustable to tracking force range for elliptical and spherical styli; 17.52" W x 4.53" H x 14.25" D; 11 lbs \$399

AKAI

AP-A50 Automatic Turntable

Fully automatic linear-tracking turntable with direct drive. Features quartz-lock; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; zero rear clearance dustcover; front-panel controls. W&F 0.045% WRMS; rumble -70 dB; effective tonearm length 6.5". 17.3" W x 4.2" H x 15.6" D (dustcover down); 12.8 lbs \$170

APA-201 Semiautomatic Turntable

Features direct drive; pivoted arm; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; zero rear clearance dustcover; front-panel controls. W&F 0.045% WRMS; rumble -70dB; effective tonearm length 8.66". 17.3" W x 3.9" H x 13.7" D (dustcover down); 7.7 lbs \$135

AP-X1 Semiautomatic Turntable

Features belt drive; pivoted arm; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.05% WRMS; rumble -70 dB; effective tonearm length 8.66". 17.3" W x 4" H x 13.6" D (dustcover down); 7.5 lbs \$100

BANG & OLUFSEN

Beogram 8002 Linear-Tracking Turntable

Tangential-drive 33 $\frac{1}{3}$, 45-RPM turntable with patented light/shutter tangential-tracking tonearm. Features low-mass tonearm, patented leaf-spring/pendulum suspension system. W&F $\pm 0.02\%$ DIN; rumble > 75 dB DIN; speed deviation < 0.003% \$699

Beogram 1800 Turntable

Radial-arm turntable with stainless steel tonearm; self-correcting electronically controlled drive system; integrated tonearm/cartridge; 3-point suspension. W&F < $\pm 0.035\%$ WRMS; rumble > 70 dB; speed deviation < 0.05%; 16 $\frac{1}{2}$ " W x 2 $\frac{1}{2}$ " H x 12 $\frac{1}{4}$ " D \$250

Beogram 2000 Turntable

Turntable of the Beosystem 2000 with electronically controlled drive system. Features automatic anti-skating; ultra-ridged stainless steel tonearm and integrated cartridge; patented three-point suspension system; data link system to allow connection in Beosystem; W&F < $\pm 0.035\%$ weighted root mean square; rumble DIN weighted > 75 dB; 16 $\frac{1}{2}$ " W x 3" x 2 $\frac{1}{2}$ " D; 3.2 lbs \$280

Beogram RX Turntable

Turntable with electronically controlled drive system; automatic anti-skating; pendulum suspension; 1-touch music. W&F < $\pm 0.45\%$ WRMS; rumble DIN weighted > 62 dB; speed deviation < 0.1%; 17 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 13 $\frac{1}{4}$ " D \$199

Beogram 5005 Linear-Tracking Turntable

Belt-drive turntable designed to be incorporated into Beosystem 5000 stereo component system with full remote control via master control panel. Features 33 $\frac{1}{3}$ and 45 RPM; optimum pivot point tonearm suspension for immunity to internal and external vibrations. W&F 0.03% WRMS; rumble -80 dB; S/N 55 dB A-weighted; effective tonearm length 12 mm; max tracking error $\pm 0.05\%$; 16 $\frac{1}{2}$ " W x 3" H x 12 $\frac{1}{4}$ " D (dustcover down); 11.7 lbs \$399
Beogram 3000. Similar to Beogram 5005 except designed to be incorporated into the Beosystem 3000 with full remote control via terminal 3000 ... \$380
Beogram TX-2. Similar to Beogram 5005 except designed to fit into any component system \$240

DENON

DP-80 Direct-Drive Turntable

Features quartz 3-stage split platter; AC direct-drive



motor; 33 $\frac{1}{3}$ and 45 RPM; TR-80 step-down transformer. W&F 0.008% WRMS; S/N 80 dB A-wtd \$895

DP-72L Direct-Drive Turntable

Features high-torque AC direct-drive motor; interchangeable dynamic servo-tracer tonearm; high-gloss wood base. W&F 0.008% WRMS; S/N 82 dB A-wtd \$695

DP-62L Direct-Drive Turntable

Pivoted interchangeable low/medium-mass dynamic servo-tracer tonearm; quartz-lock; 33 $\frac{1}{3}$ and 45 RPM; heavy wood base \$595

DP-75 Direct-Drive Turntable

Features split-platter AC direct-drive motor; quartz-

lock; 33 $\frac{1}{2}$ and 45 RPM. W&F 0.008% WRMS; S/N 80 dB A-wtd \$550

DP-61F Direct-Drive Turntable

Fully automatic AC direct-drive turntable. Features dynamic servo-tracer tonearm; pivoted arm; quartz lock; 33 $\frac{1}{2}$ and 45 RPM; high-gloss wood base. W&F 0.008% WRMS; S/N 82 dB A-wtd \$500

DP-45F Automatic Turntable

Features direct drive; pivoted arm; quartz lock; 33 $\frac{1}{2}$ and 45 RPM; locate function; high-gloss wood base. W&F 0.012% WRMS; S/N 78 dB A-wtd \$350

DP-37F Automatic Turntable

Features dynamic servo tracer tonearm; direct drive; pivoted arm; quartz-lock; high-gloss wood base. W&F 0.012% WRMS; S/N 78 dB A-wtd \$300

DP-30II Semiautomatic Turntable

Features AC direct drive; pivoted low-mass straight tonearm; 33 $\frac{1}{2}$ and 45 RPM; variable speed control; strobe; high-density compound base. W&F 0.015% WRMS; S/N 78 dB A-wtd \$275

DP-35FB Automatic Turntable

Pivoted dynamic servo-tracer tonearm; flat-twin direct-drive motor; quartz lock; 33 $\frac{1}{2}$ and 45 RPM; high-density compound base. W&F 0.012% WRMS; S/N 78 dB A-wtd \$250

DP-23F Automatic Turntable

Pivoted dynamic servo-tracer tonearm; direct drive; 33 $\frac{1}{2}$ and 45 RPM. W&F 0.02% WRMS; S/N 75 dB A-wtd; effective tonearm length 220 mm; max tracking error within 3" \$200

DP-7F Automatic Turntable

Pivoted dynamic servo-tracer tonearm; P-mount compatible; 33 $\frac{1}{2}$ and 45 RPM; servo magnetic head-speed detection \$160

DUAL by ORTOFON**CS5000 Manual Turntable**

Belt-drive turntable with three-point floating turntable/tonerarm suspension system. Features acoustic mat; Optimum Pivot System tonearm design; three-speed electronic control \$300
With ULM 66E phono cartridge \$425

CS630Q Direct-Drive Turntable

Single-play fully automatic turntable with electronic pitch control. Features digital speed display; damping mat; shock absorber chassis; ULM tonearm; front panel controls \$250
With ULM 66E phono cartridge \$375

CS620Q Fully Automatic Turntable

Quartz-controlled direct-drive single play turntable with damping mat, shock-absorber chassis, ULM tonearm and front-panel controls \$200
With ULM 65E phono cartridge \$270

CS505-2 Belt-Drive Turntable

Semi-automatic turntable with acoustic mat. Features floating chassis design; vario-pitch; ULM tonearm \$200
With ULM 65E phono cartridge \$270

CS616Q Direct-Drive Turntable

Single-play semiautomatic turntable with quartz controlled direct drive system. Features damping mat; shock-absorber chassis; ULM tonearm; front-panel controls \$180
With ULM 65E phono cartridge \$250

CS1254 Fully Automatic Record Changer

Features rotating manual spindle for single play; pitch control \$160
With Dual TKS 45 phono cartridge \$220

CS530 Fully Automatic Turntable

Belt-drive single-play turntable. Features pitch control with strobe; high damping mat; ULM tonearm; shock absorber chassis \$150

With ULM 65E phono cartridge \$220

CS515 Belt-Drive Turntable

Single play semiautomatic turntable with pitch control, high damping mat, ULM tonearm, and shock-absorber chassis \$135
With ULM 65E phono cartridge \$205

CS514 Belt-Drive Turntable

Single-play semiautomatic turntable with Dual DMS 239 low-mass tonearm/cartridge system and electronic speed control \$100

FISHER**MT-750CDB Linear-Tracking Turntable**

Programmable fully automatic quartz turntable. Features PLL; P-Mount compatible; 9 song programmable. 440 mm W; 14 lbs \$230

MT-730CD Linear-Tracking Turntable

Fully automatic turntable. Features DC servo motor; hinged dustcover. 440 mm W; 11 lbs \$180

MT36CD Semiautomatic Belt-Drive Turntable

Belt-drive turntable with DC servomotor and precision straight low-mass tonearm. Features auto return and shutoff; reject control; viscous damped cueing; adjustable anti-skate control; magnetic stereo cartridge. W&F 0.04% WRMS; rumble -55 dB DIN-B; 15.75" W x 4.25" H x 13.75" D; 9 lbs \$120

MT710CD Semiautomatic Belt-Drive Turntable

Belt-drive turntable with AC synchronous motor and precision straight low-mass tonearm. Automatic tonearm return and shutoff; reject control; viscous and damped cueing; adjustable anti-skating control; magnetic stereo cartridge. W&F 0.08% WRMS; rumble -55 dB DIN-B \$120

MT-36CD Semiautomatic Turntable

Belt-drive pivoted-arm turntable. Features viscous damped cueing; precision straight low-mass tonearm. 400 mm W; 10 lbs \$80
710CD. Similar to MT-36CD except 440 mm .. \$90

GLI**T-1227 Direct-Drive Turntable**

Manual turntable with high-torque direct-drive motor, up to speed in less than $\frac{1}{4}$ turn. Features quartz-locked pitch control; universal straight tapered tonearm. Turntable speeds 33 $\frac{1}{2}$ RPM and 45 RPM; W&F 0.01%; rumble DIN A -47 dB \$399

HARMAN KARDON**T65C Semiautomatic Turntable**

Semiautomatic belt-drive turntable with auto-lift tonearm and AC sine-wave driven motor. Features 33 $\frac{1}{2}$ and 45 RPM speeds; $\pm 3\%$ speed pitch control; 3-point floating suspension with counterweighted subchassis; 3.3 lb. platter; highly absorbent platter mat; disc stabilizer; removable ultra-low capacitance cables with gold-plated plugs. W&F 0.025% WRMS; rumble -70 dB DIN-B; effective tonearm mass without cartridge 9.5 g \$495
T55C. Similar to T65C except with 2.2 lb. platter; W&F 0.035%; rumble -68 dB DIN-B; effective tonearm mass without cartridge 8 g \$365

T35 Semiautomatic Turntable

Semiautomatic belt-drive turntable with auto-lift tonearm. Features 33 $\frac{1}{2}$ and 45 RPM speeds; straight low-mass tonearm; spring isolated foam-damped feet; 2.2 lb platter; $\pm 3\%$ speed pitch control; removable low-capacitance cables; highly absorbent platter mat. W&F 0.04% WRMS; rumble -68 dB DIN B; effective tonearm mass without cartridge 8 g \$245
T30. Similar to T35 with 1.1 lb. platter; W&F 0.05%; rumble -65 dB DIN-B \$195

HEYBROOK**Heybrook TT-2 Series II Turntable**

Belt-drive 33 $\frac{1}{2}$ and 45 RPM armless manual turntable

I RELY ON GLI



"6 days a week, 10 hours a day
- The turntable never fails."

Allen Peller
Manager of Recording Division
J&R Music World, New York City

GLI products are designed with professional users in mind. The new T-1227 is one of these products.

- Direct Drive Quartz Controlled Motor
- High Torque Start-up ($\frac{1}{4}$ turn or less)
- $\pm 6\%$ Pitch Control
- Rear jack for optional Start/Stop Foot Switch
- Acoustically Isolated Tone Arm and Base

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A DIVISION OF HIGGINS ELECTRONICS CORP.

ble with removable armboard. Features low-speed synchronous motor driving massive 2-piece platter; adjustable 3-point spring suspension subchassis of cast aluminum; laminated armboard; massive wood base. Finished in real walnut or gloss black. W&F <0.1% DIN peak wtd; rumble -73 dB wtd DIN-B. 6 1/4" H x 17 1/2" W x 14 1/4" D; 26 lbs..... \$398

HITACHI

HT-L303 Linear-Tracking Turntable

Two-speed belt-drive fully automatic turntable with program repeat. Features low-mass linear-tracking tonearm; microcomputer control; auto setting of record speed and size; auto control of tonearm movements both in/out and up/down; auto return and shutoff; auto cut; precise manual control; DC servo motor; plug-in connector cartridge; speed indicator; repeat indicator; smoked dustcover. S/N 70 dB DIN-B; W&F 0.045% WRMS; tracking error ±2"; 17 1/8" W x 3 1/8" H x 12 5/8" D; 8 lb 13 oz..... \$180

HT-202 Automatic Turntable

Two-speed, direct-drive, semiautomatic turntable with straight-line, gimbal-suspension tonearm with high-tech damping. Features unitorque motor; plug-in connector cartridge; automatic controls; oil-damped tonearm litter; anti-skating device; S/N 78 dB DIN-B; W&F 0.025% WRMS; tracking error 2"; 17 1/8" W x 14 3/8" H x 4 1/8" D; 11 lb..... \$130

HT17 Semiautomatic Turntable

Semiautomatic belt-drive turntable. Features P-Mount compatible; 33 1/3 and 45 RPM; W&F 0.045%; effective tonearm length 220 mm; max tracking error ±2"; 17 1/8" W x 1 1/8" H x 14 3/8" D..... \$90

J.A. MICHELL by RMI

Gyrodec Manual Turntable

Belt-drive turntable. 33 1/3 and 45 RPM; balanced 3-point suspension. W&F 0.04% WRMS; rumble -78 dB; S/N -76 dB A-weighted. 53 cm W x 19 cm H x 42 cm D (dustcover down); 43 lbs..... \$1,190

Synchro Belt-Drive Turntable

Manual turntable with 3-point suspension. 33 1/3 and 45 RPM. W&F 0.05% WRMS; rumble -74.5 dB; S/N -72 dB A-weighted. 18" W x 5 1/2" H x 13 1/2" D (dustcover down); 18 lbs..... \$650

Focus S Manual Turntable

Belt-drive turntable with 7-lb platter. 33 1/3 and 45 RPM. W&F 0.04% WRMS; rumble -75 dB; S/N -72 dB A-weighted. 17" W x 5 1/2" H x 14" D (dustcover down); 20 lbs..... \$499

Focus One Belt-Drive Turntable

Manual turntable accommodates any tonearm. 33 1/3 and 45 RPM. W&F 0.05% WRMS; rumble -74.5 dB; S/N -70 dB A-weighted. 17" W x 5 1/2" H x 14" D (dustcover down); 18 lbs..... \$390

JVC

QL-A75 Quartz-Locked Turntable

Features double-servo quartz control; dynamic Q damping system for tonearm; tapered, low-mass straight tonearm; gimbal support; replaceable arm shaft; Chuck-N-Lock head connector; high-torque coreless DC servo motor and heavy platter. Mirror-finished multi-layer solid cabinet. W&F 0.018% WRMS; S/N 80 dB; 19 1/2" W x 8 1/4" H x 16 1/2" D (dustcover down); 30.8 lbs..... \$650

QL-Y66F Fully Automatic Turntable

Electro-servo fully automatic quartz turntable with direct drive. Features 33 1/3 and 45 RPM; variable speed control; S-shaped tonearm. W&F 0.015% WRMS; S/N 80 dB A-wtd; effective tonearm mass without cartridge 11.5 g; effective tonearm length 254 mm; max tracking error -1"; 19 1/2" W x 7 3/8" H x 15 1/8" D (dustcover down); 27.1 lbs..... \$470

QLL20B Quartz-Locked Turntable

Quartz-locked fully automatic linear-tracking turntable.

ble. Features quartz motor with double servo control; optical system maintains arm tangent to groove; W&F 0.025%; plug-in cartridge connectors; fully automated operation; manual switch; pulse count tonearm cueing system; signal-to-noise ratio 78 dB; 17 1/8" W x 3 1/8" H x 14 3/8" D (dustcover down); 11.2 lbs..... \$240

LL10B Linear-Tracking P-Mount Turntable

Fully automatic, zero-tracking error turntable; 4 inches high. Features computer-supervised control; P-Mount design; independent suspension; DC servo motor. W&F 0.045% WRMS; S/N 70 dB; 17 1/8" W x 3 1/8" H x 14 3/8" D (dustcover down); 10.8 lbs..... \$190

QLFX5B Automatic Turntable

Quartz-locked turntable with direct-drive. Features pivoted arm; P-mount compatible; 33 1/3 and 45 RPM; strobe; cog-free coreless DC FG servo motor; auto repeat; independent suspension system. W&F 0.025% WRMS; S/N 78 dB A-wtd; effective tonearm length 220 mm; max tracking error +3°35'. 17 1/8" W x 4 1/8" H x 14 3/8" D (dustcover down); 10.8 lbs..... \$150

LFX4 Automatic Turntable

Direct-drive turntable with strobe. Features pivoted arm; P-mount compatible; 33 1/3 and 45 RPM; cog-free coreless DC FG servo motor; auto repeat; independent suspension system. W&F 0.03% WRMS; S/N 78 dB A-wtd; effective tonearm length 220 mm; max tracking error +3° 35'. 17 1/8" W x 4 1/8" H x 14 3/8" D (dustcover down); 10.8 lbs..... \$125

LAX3 Semiautomatic Turntable

Features belt drive; P-mount compatible; pivoted arm; 33 1/3 and 45 RPM; DC servo motor; low-mass tonearm. W&F 0.045% WRMS; S/N 65 dB A-wtd; effective tonearm length 220 mm; max tracking error +3° 35'. 17 1/8" W x 4 1/8" H x 14 3/8" D (dustcover down); 8.9 lbs..... \$90

KENWOOD

KD770D Direct-Drive Turntable

Quartz direct-drive turntable. Features PLL; quartz locked; P-Mount compatible; 33 1/3 and 45 RPM; auto lift-up mechanism; high-torque coreless DC motor with ultra-rigid herringbone shaft; rigid straight tonearm; cueing system. W&F less than 0.02% WRMS; rumble -80 dB; effective tonearm length 245 mm; max tracking error +1.8, -1.0"; 19 1/8" W x 6 1/8" H x 16 1/2" D (dustcover down); 25.7 lbs..... \$410

KD-74F(B) Linear-Tracking Turntable

Automatic direct-drive turntable. Features 7-track random program memory; autodisc size selector; repeated speed indicators; synchronized capability; cartridge included. 15 lbs..... \$245

KD-64F(B) Linear-Tracking Turntable

Automatic direct-drive turntable. Features synchronized record capability; P-mount compatibility. 15 lbs..... \$205

KD-54R(B) Quartz Turntable

Semiautomatic direct-drive turntable. Features brushless DC servo motor; low-resonance tonearm; P-Mount compatible. 15 lbs..... \$120

KD-34R(B) Turntable

Semiautomatic belt-drive turntable. Features low-resonance tonearm; anti-skating mechanism; P-Mount compatible. 10 lbs..... \$110

KYOCERA

PL-910 Manual Turntable

Armless belt-drive turntable with ceramic platter and base. Features 33 1/3 and 45 RPM; variable speed control with strobe; cutless core power transformer, dual suspension, heavy-duty DC servo brushless motor, 11-lb platter assembly; W&F 0.025% WRMS; S/N 78 dB DIN-B; accepts 9-10" tonearms..... \$2,000

PL-701 Automatic Turntable

Fully automatic turntable with 3.3-lb platter and microcomputer electronic sensing tonearm. Features belt drive; pivoted arm; 33 1/3 and 45 RPM; variable speed control; strobe. Supplied with stabilizer (0.7 lb); straight aluminum tonearm, dual suspension. W&F 0.03% WRMS; S/N 70 dB DIN-B; effective tonearm length 8.5 inches (0.6" overhang); max tracking error ±2"..... \$450

PL-601 Semiautomatic Turntable

Features front-panel controls; belt drive; dual suspension; pivoted arm; 33 1/3 and 45 RPM; variable speed control with strobe; wood base with adjustable feet; nonfriction electronic sensing; straight aluminum tonearm. W&F 0.035% WRMS..... \$350

LINN SONDEK by AUDIOPHILE SYSTEMS

LP12 Manual Single-Play Turntable

Belt-drive 33 1/3-RPM turntable with manual tonearm. Features 24-pole synchronous motor; 12" zinc-aluminum alloy die-cast platter with felt mat; single-point oil-bath bearing; hardened tool-steel spindle; adjustable 3-point spring-suspension subchassis; heavy-gauge stainless-steel base plate; solid hardwood base; optional 45-RPM adapter available. W&F 0.04% WRMS; rumble -60 dB unwttd; speed accuracy ±0.04%; 17 1/2" W x 14" D x 5 1/2" H..... \$795

LUXMAN

P-406 Automatic Turntable

Belt-drive tangential-tracking turntable. Features PLL; P-Mount compatible; 33 1/3 and 45 RPM. W&F 0.04% WRMS; rumble -70 dB; 16 3/8" W x 4 1/2" H x 14 1/8" D (dustcover down); 11.61 lbs..... \$270

P-405 Belt-Drive Turntable

Fully automatic turntable. Features PLL; 33 1/3 and 45 RPM; variable speed control with strobe; anti-skate control. W&F 0.06% WRMS; rumble -69 dB; 16 3/8" W x 4 1/2" H x 14 1/8" D (dustcover down); 11.77 lbs..... \$200

MARANTZ

TT 451 Linear-Tracking Turntable

Automatic linear-tracking turntable. Features auto speed and size selector; P-Mount compatible; 33 1/3 and 45 RPM. W&F 0.05% WRMS; rumble -70 dB; 16 3/8" W x 3 3/4" H x 13 1/8" D (dustcover down); 9.5 lbs..... \$200

TT 251 Direct-Drive Turntable

Semiautomatic direct-drive turntable. Features P-Mount compatible; 33 1/3 and 45 RPM. W&F 0.07% WRMS; rumble -68 dB; 16 3/8" W x 3 1/2" H x 13 1/4" D (dustcover down); 9.3 lbs..... \$140

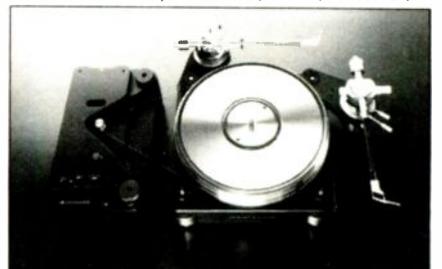
TJ 151 Belt-Drive Turntable

Semiautomatic belt-drive turntable. Features P-Mount compatible; 33 1/3 and 45 RPM. W&F 0.09% WRMS; rumble -65 dB. 7.7 lbs..... \$100

MICRO SEIKI by ANALOG EXCELLENCE

SZ-1T Manual Turntable

Massive zinc-alloy turntable system that is both air bearing and vacuum. Features belt drive; 33 1/3 and 45 RPM; variable speed control; strobe; outboard air-



bearing motor with large inertia flywheel spindle; 44 lb bronze platter. W&F 0.025% WRMS; S/N 90 dB A-wtd. 35" W x 12" H x 18" D (dustcover down); 240 lbs \$10,000
SZ-1TSS. Same as above with 48-lb steel platter, 2 tonearms, and isolation base. 260 lbs \$15,000

SX-555FW Manual Turntable

Belt-drive turntable with patented quadraplex isolation feet and vacuum hold down. Features rosewood cabinet; 17-lb air-bearing bronze and aluminum duplex platter; 33 1/2 and 45 RPM; variable speed control. W&F 0.025% WRMS; S/N 78 dB A-wtd. 21 1/2" W x 7 1/2" H x 17 1/2" D (dustcover down); 47 lbs \$1,495

RX-1500VG Thread-Drive Turntable

20-lb bronze-platter turntable with light-force vacuum record hold-down and outboard motor. Features 33 1/2 and 45 RPM; variable speed control; nonresonant zinc alloy frame and outboard motor; 4-lb sealed oil-bath center spindle. W&F 0.025% WRMS; S/N 85 dB A-wtd. 26" W x 6 1/2" H x 16" D; 100 lbs \$1,495
RX-1500FUG. Air-bearing version of above. 120 lbs \$1,995

BL-99V Manual Turntable

Belt-drive turntable with light force vacuum hold down. Features walnut-finished cabinet; 33 1/2 and 45 RPM; variable speed control; 7-lb aluminum platter; 4-lb tonearm base drilled to individual specifications. W&F 0.025% WRMS; S/N 78 dB A-wtd. 21 1/2" W x 7 1/2" H x 17 1/2" D (dustcover down); 35 lbs. \$995

RX-1500 Basic Turntable

Belt-drive nonresonant zinc alloy turntable with ability to mount 2 tonearms simultaneously. Features 33 1/2 and 45 RPM; variable speed control; aluminum platter. W&F 0.025% WRMS; S/N 78 dB A-wtd. 19" W x 6" H x 13" D; 40 lbs \$795

MISSION ELECTRONICS

775 SM Manual Turntable

Manual 33 1/2 and 45-RPM belt-drive turntable with 24-pole synchronous motor. Features die-cast aluminum platter with lead-lined circumference, medium-density fiberboard base with lead infill to minimize resonances and eradicate mechanical hum and noise; sorbothane gasket motor isolation; sorbothane feet for turntable isolation; universal baseplate that accepts wide range of tonearms. W&F 0.05% DIN; rumble -80 dB DIN-B wtd; speed accuracy and variation 0.1% \$999

775 HCT Belt-Drive Turntable

24-pole synchronous-motor belt-drive turntable with Mission 774LC tonearm. Features 33 1/2 and 45 RPM; constrained-layer damped MDF plinth; high moment of inertia constrained layer damped platter; absolute speed accuracy ±0.3%; speed variation 0.1%; W&F DIN 0.05%; rumble (DIN-B) bearing <80 dB, motor <75 dB, 430 mm W x 145 H x 343" D; 12 kg \$799

775 LCT Belt-Drive Turntable

12-pole synchronous belt-drive turntable with 774LC tonearm. Features pivoted arm; 33 1/2 and 45 RPM; constrained-layer damped MDF base; W&F 0.1% WRMS; rumble -75 dB; effective tonearm mass without cartridge 7 g; effective tonearm length 228 mm; 430 mm W x 135 H x 330 D; 6 kg \$399

MITSUBISHI

LT-46 Linear-Tracking Turntable

Direct-drive logic-controlled fully automatic turntable. Features 33 1/2 and 45 RPM. W&F 0.035% WRMS; S/N 72 dB A-weighted; 16 1/2" W x 4 1/2" H x 14 1/4" D (dustcover down); 12 1/4 lbs \$170

SEE BY MUSIC HALL

Revolver Belt-Drive Turntable

Split-plinth turntable with plinth and platter constructed of medium density fibreboard and self-

damping material. Features AC synchronous motor with 2-speed stepped pulley; ethylene proylene drive belt; 3 molded nonadjustable feet. Includes Precision Instant Grip clamp, Starmat, lubricating oil. With Linn LVX tonearm and Basik cartridge (grey or red) \$450
 With Linn LVX tonearm and Basik cartridge (black ash veneer) \$495

CW & J WALKER by MUSIC & SOUND IMPORTS

CJ-58 MKII Manual Turntable

Belt-drive turntable without tonearm. 33 1/2 and 45 RPM; 3-point adjustable suspension; removable tonearm board; Tufnol platter to eliminate ringing. W&F 0.05% WRMS; rumble -77 dB; effective tonearm mass without cartridge 11 g; effective tonearm length 229 mm; 20 lbs \$289
 With MAS 282II tonearm and MAS Econocoil cartridge \$587

NAD

5120 Semiautomatic Belt-Drive Turntable

Semiautomatic belt-drive turntable designed to provide exceptionally vibration-free environment for the record, plus floppy tonearm that serves as a stable, nonresonant carrier for the phono cartridge, allowing for precise control of tonearm/cartridge resonance. 33 1/2 and 45 RPM. Features floating subchassis; AC synchronous motor; thin disc platter with thick rubber mat; floppy tonearm; replaceable tonearm assembly; dynamic vibration absorber. W&F 0.04% WRMS; rumble -70 dB; effective tonearm length 8 1/4"; effective tonearm mass without cartridge 7.9 g; max tracking error ±0.4"/inch; 16 1/2" W x 4 1/4" H x 14" D; 11 lbs \$198

5125 Semiautomatic Turntable

Belt-drive pivoted-arm turntable with subchassis sus-

pension. Features 33 1/2 and 45 RPM; variable speed control with strobe; nonresonant base (mineral-filled resin polymer). W&F 0.07% DIN; rumble -70 dB DIN B; tonearm mass without cartridge 10.5 g; effective tonearm length 220 mm; max tracking error <0.7"/cm; 16.5" W x 4.5" H x 15" D (dustcover down); 8.8 lbs \$128

NAKAMICHI

Dragon-CT Turntable

Dual-suspension direct-drive turntable that eliminates eccentricity wow with Absolute Center Search System to compensate for off-center record holes. Features "Cog-Free" Super Linear Torque motor; high-strength rigid viscous-damped straight tonearm; decoupled counterweight; auto return and ultra-smooth cueing; quartz PLL DC brushless slotless coreless motor; cut switch, indicators for center search in progress, not achieved, and achieved; pitch control range ±6%; 33 1/2 and 45 RPM Turntable specs: Main platter (aluminum) 1.4 kg; center search platter (glass) 550 g; start-up within 1 revolution; speed deviation unmeasurable; speed drift unmeasurable; W&F 0.008% (wtd RMS, fg direct). 0.03% (wtd RMS, after center search); S/N >78 dB (DIN B). Tonearm specs: total length 305 mm; effective length 237 mm; effective mass 14 g without cartridge; VTF adjustment range 0-3 g; allowable cartridge weight 4-11 g; cartridge offset angle 21° 30'; stylus overhang 15 mm; max tracking error +2.5° to -1°. 21 1/2" W x 9 1/16" H x 16 1/16" D; 44 lbs 1 oz \$1,740

NIKKO

NP-750 Direct-Drive Turntable

Features linear tracking; 33 1/2 and 45 RPM. W&F 0.05% WRMS; rumble -70 dB; effective tonearm length 130 mm; max tracking error 0.01"; 416 mm W x 94 mm H x 346 mm D (dustcover down); 4.5 Kg \$230

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CIRCLE NO. 34 ON READER SERVICE CARD

NP 550 Semiautomatic Turntable

Features belt drive; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.07% WRMS; S/N 65 dB A-wtd; max tracking error 0.1"; 416 mm W x 99.5 mm H x 337 mm D (dustcover down); 7.5lbs \$100

ONKYO

CP-1057FB Integra Automatic Turntable

Computer-controlled quartz PLL direct-drive turntable. Features pivoted arm; quartz-locked; strobe; 33 $\frac{1}{3}$ and 45 RPM; triple-stage isolation; floating subchassis on 3-point suspension; gimbal support tonearm bearings; computer-controlled tonearm functions; separate motor for tonearm; 2-speed search; straight low-mass tonearm; Polysorb™ vibration absorbing compound for record mat and cabinet feet; gold-laquered platter; gold-anodized tonearm; optoelectronic record end detector; optional remote control. W&F 0.023% WRMS; rumble -80 dB; effective tonearm length 226 mm; max tracking error +3°, -1°; 17 $\frac{1}{16}$ " W x 6 $\frac{1}{16}$ " H x 16 $\frac{1}{16}$ " D; 20 lbs; black finish only \$310

CP-1046F Automatic Turntable

Computer-controlled direct-drive pivoted-arm turntable. Features PLL; quartz-locked; 33 $\frac{1}{3}$ and 45 RPM speeds; 2-color quartz lock indicator; triple-stage isolation system with floating subchassis; 3-point subchassis suspension; computer-controlled motor-assisted tonearm; opto-electronic record end detector; straight low-mass tonearm; gimbal precision tonearm bearings; 2 speed search; optional remote control. W&F 0.025% WRMS; rumble -75 dB; effective tonearm length 224 mm; max tracking error +3°, -1.5°; 16 $\frac{1}{2}$ " W x 5 $\frac{1}{16}$ " H x 14 $\frac{1}{4}$ " D (dustcover down); 13 lbs \$210
CP-1046FB. Same as above in black \$210

PL-25B Automatic Linear-Tracking Turntable

Direct-drive linear-tracking turntable with cordless, brushless, slotless motor. Features search; repeat; front-panel-mounted controls; 33 $\frac{1}{3}$ and 45 RPM; P-Mount compatible. W&F 0.27% WRMS; rumble -72 dB; tracking error ± 0.1 "; 16 $\frac{1}{2}$ " W x 5" H x 15 $\frac{1}{16}$ " D (dustcover down); 12 lbs \$210

CP-1036A Semiautomatic Turntable

Semiautomatic direct-drive pivoted-arm turntable. Features PLL; quartz-locked; 33 $\frac{1}{3}$ and 45 RPM; triple-stage isolation with floating subchassis; front panel controls; straight-line low-mass tonearm; gimbal support precision tonearm bearings; smoked dustcover. W&F 0.025% WRMS; rumble -70 dB; effective tonearm length 224 mm; max tracking error +3°, -1.5°; 16 $\frac{1}{2}$ " W x 5 $\frac{1}{16}$ " H x 14 $\frac{3}{4}$ " D (dustcover down); 12 lbs \$160
CP-1036AB. Same as above except black \$160

CP-1007A Semiautomatic Turntable

Semiautomatic belt-drive pivoted-arm turntable. Features 33 $\frac{1}{3}$ and 45 RPM; triple-stage isolation; front-panel-mounted controls; damped cueing. W&F



0.045% WRMS; rumble -70 dB; effective tonearm length 210 mm; max tracking error +4.5°, -1°; 16 $\frac{1}{2}$ " W x 5 $\frac{1}{16}$ " H x 14 $\frac{3}{4}$ " D (dustcover down); 9 lbs \$100
CP-1007AB. Same as above in black \$100

RC-5T Wired Remote Control

Wired remote controls tape and phono functions with 14-ft cord. Features record; rewind; play; fast forward; stop; pause; repeat; search; cue; play/reject. For use with remote compatible Onkyo turntables and cassette decks \$50

ORACLE AUDIO

Premiere Mark II Manual Turntable

Belt-drive turntable without tonearm. Features 33 $\frac{1}{3}$ and 45 RPM; variable speed control; strobe; flywheel-stabilized DC Hall-effect motor; adjustable spring suspension system; record coupling system; remote control. 490 mm W x 165 H x 375 D (dustcover down); 19 kg \$2,350

Delphi MK II Manual Turntable

Belt-drive turntable without tonearm. Features 33 $\frac{1}{3}$ and 45 RPM; variable speed control; strobe; flywheel-stabilized DC Hall-effect motor; adjustable spring suspension system; record coupling system. 482 mm W x 158 H x 368 D (dustcover down); 16 kg \$1,250

Alexandria Mark II Manual Turntable

Belt-drive turntable without tonearm. Features 33 $\frac{1}{3}$ and 45 RPM; variable speed control; strobe; flywheel-stabilized DC Hall-effect motor; adjustable spring suspension system; record-coupling system. 482 mm W x 142 H x 368 D (dustcover down); 16 kg \$750

PANASONIC

SL-N15 Turntable with Phono Equalizer

Automatic linear-tracking turntable with phono equalizer. Features DC servo; belt-drive; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; gimbal suspension tonearm. W&F 0.045% WRMS; rumble -70 dB; effective tonearm length 4 $\frac{1}{4}$ "; max tracking error within ± 0.1 "; 12 $\frac{1}{2}$ " W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D (dustcover down); 7.1 lbs \$170

SL-N5 Turntable with Phono Equalizer

Automatic turntable with built-in phono equalizer. Features DC servo; belt drive; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; gimbal suspension; oil-damped cueing. W&F 0.045% WRMS; rumble -70 dB; effective tonearm length 7 $\frac{1}{4}$ "; max tracking error ± 0.1 "; 12 $\frac{1}{2}$ " W x 3 $\frac{1}{4}$ " H x 12 $\frac{1}{2}$ " D; 5.1 lbs \$130

PARASOUND

LTD900 Automatic P-Mount Turntable

Automatic direct-drive linear-tracking turntable with microprocessor control and 3 separate motors. Compatible with P-Mount cartridges. Features noncogging drive motor, auto size/speed setting with manual override; repeat; soft-touch controls; 33 $\frac{1}{3}$ and 45 RPM speeds; variable speed control with strobe. W&F 0.02% WRMS; rumble -70 dB; effective tonearm mass without cartridge 8 g; max tracking error 0.1"; 16 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 13 $\frac{1}{2}$ " D (dustcover down); 12 lbs \$200

TTD-820 Direct-Drive Turntable

Semiautomatic turntable with front-mounted controls. Features P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; variable speed control; strobe; tuned suspension; non-cogging motor; die-cast platter; decoupled counter



weight. W&F 0.03% WRMS; rumble -70 dB; effective tonearm mass without cartridge 14 g; effective tonearm length 222 mm. 16 $\frac{1}{2}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{1}{4}$ " D (dustcover down); 12 lbs \$160

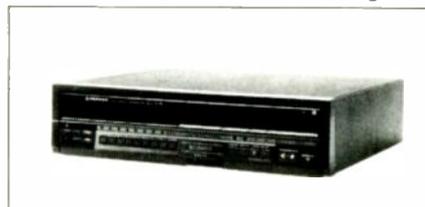
TTb-720 Belt-Drive Turntable

Semiautomatic turntable with front-mounted controls. Features P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; variable speed control; strobe; pivoted straight arm; DC servo motor; damped spring suspension isolated from bottom of base. W&F 0.05% WRMS; rumble -65 dB; effective tonearm mass without cartridge 14 g; effective tonearm length 215 mm; maximum tracking error 1.6". 16" W x 3 $\frac{3}{4}$ " H x 12 $\frac{3}{4}$ " D (dustcover down); 10 lbs \$120

PIONEER ELECTRONICS

PL-L90 Automatic Linear-Tracking Turntable

Front-loading direct-drive turntable. Features 33 $\frac{1}{3}$ and 45 RPM; programmable linear tracking; W&F



0.025% WRMS; effective tonearm length 8 $\frac{1}{16}$ "; S/N 78 dB A-weighted. 16 $\frac{1}{4}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{3}{4}$ " D (dustcover down); 10 lbs, 6 oz \$300

PL-3F Fully Automatic Turntable

Direct-drive turntable. Features PLL; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025% WRMS; effective tonearm length 9 $\frac{1}{4}$ "; S/N 80 dB A-weighted; 18 $\frac{1}{8}$ " W x 6 $\frac{1}{4}$ " H x 16 $\frac{1}{8}$ " D (dustcover down); 19 lbs \$300

PL-L70 Automatic Direct-Drive Turntable

Programmable linear-tracking turntable. Features PLL; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025%; effective tonearm length 3 $\frac{3}{4}$ ". 16 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{1}{4}$ " D (dustcover down); 11 lbs \$240

PL-L50/PL-L55 Linear-Tracking Turntable

Fully Automatic direct-drive turntable. Features 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025% WRMS; effective tonearm length 3 $\frac{3}{4}$ "; S/N 80 dB A-weighted. 16 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{1}{4}$ " D (dustcover down); 10 lbs, 9 Oz \$175

PL-L30/PL-L33 Linear-Tracking Turntable

Fully Automatic belt-drive turntable. Features 33 $\frac{1}{3}$ and 45 RPM. W&F 0.045% WRMS; effective tonearm length 3 $\frac{3}{4}$ "; S/N 72 dB A-weighted. 19 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{1}{4}$ " D (dustcover down); 9 lbs, 15 oz \$150

PL-960 Quartz-PLL Fully Automatic Turntable

Direct-drive turntable. Features PLL; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025% WRMS; effective tonearm length 8 $\frac{1}{16}$ "; S/N 78 dB A-weighted. 16 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{3}{8}$ " D (dustcover down); 10 lbs, 6 oz .. \$140

PL-X100 Linear-Tracking Turntable

Fully automatic belt-drive turntable. Features 33 $\frac{1}{3}$ and 45 RPM. W&F 0.045% WRMS; effective tonearm length 3 $\frac{3}{4}$ "; S/N 70 dB A-weighted. 12 $\frac{3}{4}$ " W x 3 $\frac{3}{4}$ " H x 13 $\frac{3}{8}$ " D (dustcover down); 7 lbs, 15 oz \$130

PL-660 Fully Automatic Turntable

Direct-drive turntable. Features 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025% WRMS; effective tonearm length 8 $\frac{1}{16}$ "; S/N 78 dB A-weighted. 16 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{3}{8}$ " D (dustcover down); 10 lbs, 6 oz .. \$130

PL-460 Semiautomatic Turntable

Belt-drive turntable. Features 33 $\frac{1}{3}$ and 45 RPM; auto-return. W&F 0.05% WRMS; S/N 68 dB A-weighted; effective tonearm length 8 $\frac{1}{16}$ "; 16 $\frac{1}{16}$ " W x 4 $\frac{1}{4}$ " H x 14 $\frac{1}{4}$ " D (dustcover down); 8 lbs, 10 oz\$77

PIONEER VIDEO

PL-V70 Programmable Turntable

Automatic front-loading programmable turntable. Features servo belt-drive; linear-tracking; 33 $\frac{1}{3}$ and

45 RPM; random program playback. W&F less than 0.05% WRMS; rumble 70 dB; S/N > 70 dB A-weighted; 16¹/₁₆" W x 4¹/₁₆" H x 13¹/₁₆" D (dustcover down); 16.5 lbs %250

QUASAR

CL7014XE Turntable

Fully automatic belt-drive turntable with auto-disc size selector. Features switchable line and phone output; aluminum die-cast platter; P-Mount magnetic cartridge included. \$80-\$90

RCA

MTT-135 Dimensia Programmable Turntable

Automatic front-load turntable with direct drive. Features linear-tracking; quartz-lock; P-mount compatible; 33¹/₃ and 45 RPM; remote control; on-screen prompts. W&F 0.035% WRMS; S/N 70 dB din B; effective tonearm length 95 mm; max tracking error 0.35%; 12¹/₁₆" W x 4¹/₁₆" H x 14¹/₁₆" D (dustcover down); approx 11 lbs \$400

MTT-130 Dimensia Automatic Turntable

Linear-tracking turntable with direct drive. Features P-mount compatible; 33¹/₃ and 45 RPM; automatic phono size and speed selector. Works with Dimensia 256 function remote control. W&F 0.035% WRMS; S/N 72 dB DIN B; effective tonearm length 3¹/₄"; 12¹/₁₆" W x 3¹/₄" H x 12¹/₁₆" D \$250

MTT-131 Digital Command Turntable

Automatic turntable with direct drive. Features linear tracking; P-mount compatible; 33¹/₃ and 45 RPM; automatic phono size and speed selector. Works with Dimensia 256 function remote control. W&F 0.35% WRMS; S/N 72 dB DIN B; effective tonearm length 3¹/₄"; 12¹/₁₆" W x 3¹/₄" H x 12¹/₁₆" D; 10 lbs; approx \$200

REALISTIC

LAB-2100 Linear-Tracking Turntable

Direct-drive turntable with built-in microprocessor. Features logic-controlled tonearm for absolute zero tracking error; 2-speed bidirectional search pushbuttons to control tonearm; countersunk neon stroboscope with accurate pitch control; front controls; LED indicators for disc size, speed, repeat and power on; low-profile styling; Realistic/Audio-Technica dual-magnet cartridge. Rumble -75 dB; W&F < 0.025%; 4¹/₁₆" W x 13¹/₁₆" H x 15" D \$160

LAB-1600 Linear-Tracking Turntable

Fully-automatic turntable with self-powered front-loading drawer, and touch-sensitive control panel. Rumble -65 dB; W&F < 0.05% WRMS; 33¹/₃ and 45 RPM; 4" x 13¹/₁₆" x 13¹/₁₆". Includes 45-RPM adaptor and Realistic/Audio-Technica dual-magnet cartridge \$160

LAB-430 Direct-Drive P-Mount Turntable

Direct-drive turntable with pivoting tonearm and anti-skating adjustment. Compatible with P-Mount cartridges. W&F 0.05%; rumble -70 dB \$130

LAB-320 Automatic Turntable

Belt-drive turntable with swichable preamp that matches MM cartridge to systems with only ceramic phono or aux inputs. Features damped cue/pause; adjustable tracking; anti-skate; straight-line tonearm. W&F < 0.07% WRMS; rumble -64 dB; 4¹/₁₆" x 13¹/₁₆" x 14¹/₁₆". Includes Realistic/Shure MM cartridge \$100

LAB-85 Belt-Drive P-Mount Turntable

Belt-drive turntable with pivoting tonearm. Compatible with P-Mount cartridges. 15" x 13¹/₁₆" x 5¹/₁₆" \$80

LAB-79. As above except \$70

STUDER/REVOX

Revox B791 Tangential Tracking Turntable

Tangential-tracking direct-drive automatic turntable

with quartz-accurate variable-speed control. Features front-panel controls; 5-digit LED display of nominal speed (33¹/₃ or 45 RPM), exact deviation percentage when vari-speed is activated; exclusive Linatrack® linear-tracking system; 8-pole Hall Effect direct-drive motor with separate 200-pole tachogenerator; precision die-cast chassis; P-mount adapter. Vari-speed control range ±9.9% in 0.1% steps; suspension resonance 3 Hz; tonearm/cartridge resonance 11 Hz \$725

Revox B795 Tangential Tracking Turntable

Quartz-controlled direct-drive 33¹/₃ and 45-RPM turntable with tangential-tracking arm; quartz-regulated Hall commutated DC motor with permanent magnet; platter start-up time < 1 sec.; speed accuracy ±0.01%. 1.5" tonearm mounted in overhead tangential tracking trolley with opto-electronic LED sensing, servo guidance system; auto lift/return/shut off; servo-electronic, DC motor arm follow-up; cartridge output electronically muted except when stylus in groove; pneumatically damped cartridge lowering; P-mount adapter. Front-panel controls operable with dustcover down; 4-digit quartz LED readout; automatically-activated run-out switch. W&F 0.05% DIN wtd, 0.1% DIN unwtd; rumble -68 dB A-wtd; includes cartridge; 17¹/₁₆" W x 15" D x 5¹/₁₆" H \$579

ROTEL

850 Turntable

Belt-drive pivoted-arm turntable. Features 33¹/₃ and 45 RPM; 4-pole hysteresis synchronous motor. W&F 0.03% WRMS; max tracking error +2.35 to -1.3"; S/N 70 dB (DIN-B); 17" W x 5¹/₁₆" H x 12¹/₁₆" D \$375

RP830. Similar to RP850 except S/N 65 dB (DIN-B) \$250

SANSUI

P-L95R Auto-Reverse Turntable

Automatic direct-drive turntable with auto-reverse. Features linear tracking; quartz-lock; 33¹/₃ and 45 RPM; front loading powered drawer; auto side and speed selector; programmable repeat; sampling of each track; plays both sides without turnover. W&F 0.08% WRMS; S/N 72 dB A-weighted; 17¹/₁₆" W x 5¹/₁₆" H x 14" D; 18.1 lbs \$500

XR-Q7 Automatic Single-Play Turntable

Fully automatic direct-drive turntable with vibration-cancelling exclusive Silent Synchronator System. Features linear-drive motor; quartz servo system; straight Dyna Optimum Balanced tonearm, separately motor operated; microprocessor automation via front-panel soft-touch buttons. W&F < ±0.009% WRMS; rumble > -80 dB DIN B weighted; speed deviation < 0.002% \$499

XR-99. Similar to XR-Q7 except W&F 0.012% WRMS. Complete with MC cartridge on black finish base \$399

P-L75 Linear-Tracking Turntable

Features 8-selection random programming; linear-tracking tonearm; FG-servo direct drive; speed-lock indicator; phono cartridge; Compu Edit for use with some Sansui amplifiers/receivers for one-touch operation. W&F 0.028% WRMS; rumble -72 dB DIN-B. Black or silver \$340

P-L55 Linear-Tracking Turntable

Automatically adjusts for record size. Features FG-servo direct drive; speed-lock indicator; Compu Selector System; linear-tracking tonearm; plug-in cartridge connector. W&F 0.028% WRMS; rumble -72 dB DIN-B. Black or silver \$210

P-L45. Similar to P-L55 without repeat play .. \$180

P-L35. Similar to P-L55 without auto size selector \$160

P-D15E Semiautomatic Turntable

Direct-drive FG-servo turntable with speed-lock indicator. Features Compu Selector System; straight tonearm, plug-in cartridge connector. W&F 0.038% WRMS; rumble -72 dB DIN-B. Black or silver . \$120

SANYO

UTQ3 Quartz-Lock Turntable

Semiautomatic turntable with PLL direct-drive system. Features P-Mount compatible; quartz DC brushless servo motor. W&F 0.03% WRMS; rumble -70 dB (DIN B); effective tonearm length 8¹/₁₆"; max tracking error ±1.5"; 16¹/₁₆" W x 14¹/₁₆" H x 5" D (dustcover down); 10 lbs \$120

UTD3 Direct-Drive Turntable

Semiautomatic turntable with resonance-free tonearm. Features P-Mount compatible; variable speed control with strobe; DC brushless servo motor. W&F 0.04% WRMS; rumble -70 dB (DIN B); effective tonearm length 8¹/₁₆"; max tracking error ±1.5"; 16¹/₁₆" W x 14¹/₁₆" H x 5" D (dustcover down); 10 lbs \$100

UTB3 Belt-Drive Turntable

Semiautomatic turntable with auto return mechanism. Features P-Mount compatible; variable speed control with strobe; DC servo motor. W&F 0.05% WRMS; rumble -70 dB (DIN B); effective tonearm length 8¹/₁₆"; max tracking error ±1.5"; 16¹/₁₆" W x 14¹/₁₆" H x 5" D (dustcover down); 9 lbs, 4 oz \$120

SCOTT

PS100 Microcomputer-Controlled Turntable

Automatic turntable with linear-tracking. Features automatic direct-drive; P-mount compatible; variable speed control; repeat; cueing. W&F 0.06% WRMS; S/N 65 dB A-wtd \$220

PS69Q Semiautomatic Turntable

Features quartz-lock; direct-drive; PLL; P-mount compatible. W&F 0.045% WRMS; S/N 55 dB A-wtd \$150

PS69 Semiautomatic Turntable

Features direct-drive; P-mount compatible; variable speed control; cueing. W&F 0.045% WRMS; S/N 55 dB A-wtd \$130

SHARP

RP-119 Automatic Turntable

Linear-tracking turntable. Features two sided play; auto-reverse; two tonearms and cartridges; belt-drive; 33¹/₃ and 45 RPM; auto program music selector for random access of up to 7 selections per side; auto program search system; front loading. W&F 0.06% WRMS; rumble 65 dB; 13" W x 4" H x 13¹/₁₆" D (dustcover down); 13.2 lbs \$250

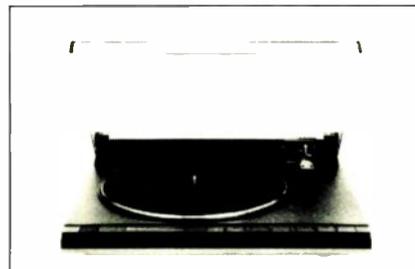
RP-25 Semiautomatic Turntable

Belt-drive turntable complete with magnetic cartridge. Features 33¹/₃ and 45 RPM. W&F 0.06% WRMS; rumble 60 dB; 16¹/₁₆" W x 4¹/₁₆" H x 14¹/₁₆" D (dustcover down); 5.1 lbs \$80

SHERWOOD

ST 9108 Linear-Tracking Automatic Turntable

Fully automatic turntable. Features repeat function; front mounted controls; push button cueing; auto start, auto return; auto cut; removable headshell; accepts standard mount cartridges; quartz locked;



33¹/₃ and 45 RPM. W&F 0.04% WRMS; rumble 65 dB; effective tonearm length 165 mm; max tracking error 0; 17¹/₁₆" W x 4¹/₁₆" H x 16" D (dustcover down); 16 lbs \$200

ST-8918 Semiautomatic Turntable

Direct-drive turntable. Features automatic return; auto reject (cut); auto cueing; auto shut-off power supply; P-Mount compatible; 33 $\frac{1}{3}$ and 45 RPM; variable speed control with strobe. W&F 0.04% WRMS; rumble 65 dB; S/N less than 63 A-wtd; effective tonearm length 215 mm; max tracking error 2.6%; 17 $\frac{1}{8}$ " W x 5 $\frac{1}{8}$ " H x 15" D (dustcover down); 11 lbs \$130

ST-870 MTD Turntable

Semiautomatic belt-drive pivoted-arm turntable with front-mounted controls. Features 33 $\frac{1}{3}$ and 45 RPM speeds. W&F 0.09% WRMS; S/N 55 dB A-wtd; max tracking error +2.6" \$100
ST 870B. Same as ST-870 semiautomatic turntable except in black.

**SONOGRAPHE
by CONRAD-JOHNSON**

SG-3 Manual Turntable

Belt-drive turntable without tonearm. Tuned suspension, resonance-free polymer platter. W&F <0.02%



WRMS; rumble -65 dB; 18 $\frac{1}{8}$ " W x 6 $\frac{3}{8}$ " H x 14 $\frac{1}{2}$ " D (dustcover down); 23 lbs \$395

SONY

PS-X555ES Turntable

Linear-tracking, fully automatic turntable with bintrac tonearm. Features direct-drive, PLL, quartz-lock; 33 $\frac{1}{3}$ and 45 RPM; height adjustable, gel-filled feet; universal headshell. W&F 0.025%; S/N -75 dB A-wtd; effective tonearm length 3"; max tracking error ± 0.05 "; 17" W x 3 $\frac{3}{8}$ " H x 15" D; 27 lbs \$420

PS-FL9 Direct-Drive Turntable

Front-loading programmable linear-tracking turntable. Features PLL, quartz-lock, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM; programmable random music sensor/automatic music sensor; MC capability; stackable top. W&F 0.03%; S/N 75 dB A-wtd; effective tonearm length 3 inches; max tracking error +0.01, -0.1"; 17" W x 3 $\frac{3}{8}$ " H x 15 $\frac{1}{8}$ " D \$300

PS-FL7 Automatic Turntable

Front-loading linear-tracking automatic turntable. Features direct drive, PLL, quartz-lock, P-Mount compatible; 33 $\frac{1}{3}$ and 45 RPM; gel-filled feet; r/c capability, stackable top. W&F 0.03%; S/N 75 dB A-wtd; effective tonearm length 3 inches; max tracking error ± 0.1 "; 17" W x 3 $\frac{3}{8}$ " H x 15 $\frac{1}{8}$ " D; 16 lbs, 9 oz .. \$250

PS-LX510B Automatic Turntable

Fully automatic linear-tracking turntable. Features direct drive, PLL, quartz-lock, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM; gel-filled feet; r/c capable. W&F 0.035%; S/N 75 dB A-wtd; effective tonearm length 3 inches; max tracking error ± 0.1 " \$200

SOTA INDUSTRIES

SOTA Sapphire Turntable

Manual 2-speed belt-drive turntable with variable speed control and strobe. Heavyweight (22 lb) sub-assembly for maximum isolation; exclusive inverted bearing with sapphire disc; single-piece (11 lb) plat-

ter, rim drive. W&F 0.02% WRMS; rumble -84.5 dB; 20 $\frac{1}{2}$ " W x 7 $\frac{1}{2}$ " H x 16 $\frac{1}{4}$ " D 44 lb; oak finish \$895
African rosewood \$995

STAR Sapphire. As above with vacuum hold-down system; low-level pressure, continuous through play, adjustable vacuum. All-wood top and speed control panel; heavy-duty dust cover, oak finish \$1,450
African rosewood \$1,600

Vacuum Acrylic Supermat[®]. For Stars or vacuum Sapphires. Designed for optimal coupling, matched impedance, extreme damping \$150

Acrylic Supermat[®]. For all nonvacuum decks. Acrylic/Intermat[®] system transfers energy from vinyl and then damps fully, including platter \$150

Electronic Flywheel[®]. AC line conditioner for the Sapphire and Star turntables only. Isolates and regulates motor/drive from all outside interference (voltage shifts, EMI, RFI, hash) \$250

Vacuum Conversion Kit

For Sapphire model: same vacuum system, same features as on STAR available as an upgrade for any Sapphire made. May be installed at factory on new Sapphire, too. \$450 plus installation

TECHNICS

SL-QL1 Linear-Tracking Turntable

Quartz direct-drive 33 $\frac{1}{3}$ - and 45-RPM turntable. Features fully automatic operation; plug-in MM cartridge; manual override; tonearm position scale with LED indicator. W&F 0.012% WRMS; rumble -78 dB DIN-B; cartridge output 2.5 mV at 1,000 Hz, 5 cm/sec; FR 20-35,000 Hz ± 3 dB; sep > 22 dB at 1,000 Hz; effective moving mass 0.29 mg; 16 $\frac{1}{8}$ " W x 13 $\frac{3}{32}$ " D x 3 $\frac{1}{2}$ " H; 16.3 lb \$470

SL-M3 Automatic Turntable

Direct-drive fully automatic 33 $\frac{1}{3}$ and 45 RPM turntable. Features quartz lock; PLL; P-mount compatible; variable speed control; strobe. W&F 0.008% WRMS; rumble -82 dB; effective tonearm length 238 mm; max tracking error within ± 0.05 %; 20 $\frac{23}{32}$ " W x 8 $\frac{1}{8}$ " H x 16 $\frac{23}{32}$ " D (dustcover down); 33.1 lbs \$450

SL-1200MKII Disco Turntable

Quartz-controlled, direct-drive disco-type 33 $\frac{1}{3}$ and 45-RPM manual turntable with tonearm. Features ± 8 % quartz-locked pitch control; quick startup/braking; pop-up stylus illuminator; gimbal-suspended tonearm with height adjustment; brushless DC motor; aluminum die-cast cabinet; antiresonant viscoelastic main base. W&F 0.025% \$400

SL-M2 Manual Turntable

Quartz-locked direct-drive manual turntable. P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, variable speed control with optical sensor for end of record pickup. W&F 0.008% WRMS; rumble -82 dB; effective tonearm length 230 mm; max tracking error +2.32"; 17.8" W x 6.7" H x 16.2" D; 26.5 lb \$400

SL-MA1 Automatic Turntable

Direct-drive turntable. Features PLL; quartz lock; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.012% WRMS; rumble -80 dB; effective tonearm length 230 mm; max tracking error +0 $\frac{32}{32}$ " at inner groove of record and +2 $\frac{32}{32}$ " at outer groove of record; 17 $\frac{27}{32}$ " W x 6 $\frac{11}{16}$ " H x 16 $\frac{1}{16}$ " D (dustcover down); 19.8 lbs \$350

SL-J3 Programmable Turntable

Programmable automatic linear-tracking quartz-locked turntable. Features direct drive, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, programming with skip search. Wow & flutter 0.012% WRMS; rumble -80 dB; effective tonearm mass with cartridge 9 g; effective tonearm length 4 $\frac{1}{4}$ "; max tracking error ± 0.1 "; 12 $\frac{1}{2}$ " W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D; 11 lbs \$260

SL-B500 Multi-Disc Turntable

Direct-drive multi-disc turntable. Features changer, pivoted arm, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, variable speed control with strobe. W&F 0.025%

WRMS; rumble -75 dB; 16 $\frac{1}{16}$ " W x 7 $\frac{1}{8}$ " H x 14 $\frac{23}{32}$ " D; 19 lbs \$250

SL-L3 Automatic Turntable

Direct-drive, fully automatic turntable. Features PLL; quartz-lock; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.012% WRMS; rumble -78 dB; effective tonearm length 105 mm; max tracking error within ± 0.1 %; 16 $\frac{1}{16}$ " W x 3 $\frac{17}{32}$ " H x 13 $\frac{3}{32}$ " D (dustcover down); 11.5 lbs \$230

SL-QX300 Automatic Single-Play Turntable

Fully automatic quartz-phase-locked direct-drive 33 $\frac{1}{3}$ - and 45-RPM turntable with straight low-mass tonearm with plug-in connector. Features ultra-low-speed brushless DC motor; 12 $\frac{1}{32}$ " die-cast aluminum platter; soft-touch front-panel controls; disc-size detector; single-row strobe; ultra-slim design. ± 6 % variable pitch control. W&F 0.025% WRMS; rumble -78 dB DIN-B \$220

SL-QX200. Semiautomatic version of SL-Q30; lacks disc-size detector. 13.4 lb \$200

SL-D500 Automatic Turntable

Automatic belt-drive multi-disc FG servo turntable. Features changer, pivoted arm, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, variable speed control with strobe. W&F 0.045% WRMS; rumble -70 dB; 16 $\frac{1}{16}$ " W x 7 $\frac{1}{4}$ " H x 14 $\frac{23}{32}$ " D; 13 lbs \$205

SL-L2 Automatic Turntable

Direct-drive, fully automatic turntable. Features PLL; quartz-lock; P-Mount compatible; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.012% WRMS; rumble -78 dB; effective tonearm length 105 mm; max tracking error within ± 0.1 %; 16 $\frac{1}{16}$ " W x 3 $\frac{17}{32}$ " H x 13 $\frac{3}{32}$ " D \$200

SL-J2 Linear-Tracking Turntable

Direct-drive linear-tracking automatic turntable. Features P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, music select/skip search ability with LED display. W&F 0.012% WRMS; rumble -78 dB; effective tonearm mass with cartridge 9 g; effective tonearm length 4 $\frac{1}{8}$ "; max tracking error ± 0.1 " \$200

SL-J1 Linear-Tracking Turntable

Automatic belt-drive DC servo turntable. Features P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, skip-search ability. W&F 0.045% WRMS; rumble -70 dB; effective tonearm mass with cartridge 9 g; effective tonearm length 4 $\frac{1}{8}$ "; max tracking error ± 0.1 "; 12 $\frac{1}{2}$ " W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D; 10 lbs \$160

SL-L1 Automatic Turntable

Direct-drive turntable. Features linear-tracking; P-Mount compatible; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.012% WRMS; rumble -78 dB; effective tonearm length 105 mm; max tracking error within ± 0.1 %; 16 $\frac{1}{16}$ " W x 3 $\frac{17}{32}$ " H x 13 $\frac{3}{32}$ " D; 10.6 lbs \$160

SL-QD3 Automatic Turntable

Direct-drive turntable. Features PLL; quartz-lock; P-Mount compatible; strobe; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025% WRMS; rumble -78 dB; effective tonearm length 230 mm; max tracking error +0 $\frac{32}{32}$ " at inner groove of record and +2 $\frac{32}{32}$ " at outer groove of record; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 14 $\frac{1}{4}$ " D; 9.9 lbs \$140

SL-QD2 Semiautomatic Turntable

Direct-drive, semiautomatic turntable. Features PLL; quartz-lock; P-Mount compatible; strobe; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.025% WRMS; rumble -78 dB; effective tonearm length 230 mm; max tracking error +0 $\frac{32}{32}$ " at inner groove of record and +2 $\frac{32}{32}$ " at outer groove of record; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 14 $\frac{1}{4}$ " D; 9.9 lbs \$130

SL-BD3 Automatic Turntable

Belt-drive, fully automatic turntable. Features P-Mount compatible; variable speed control; strobe; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.045% WRMS; rumble -70 dB; effective tonearm length 230 mm; max tracking error +0 $\frac{32}{32}$ " at inner groove of record and +2 $\frac{32}{32}$ " at outer groove of record; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 14 $\frac{1}{4}$ " D; 8.4 lbs \$120

SL-BD2 Semiautomatic Turntable

Belt-drive turntable. Features P-Mount compatible; variable speed control; strobe; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.045% WRMS; rumble -70 dB; effective tonearm length 230 mm; max tracking error +0° 32' at inner groove of record and +2° 32' at outer groove of record; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{32}$ " H x 14 $\frac{1}{4}$ " D; 7.3 lbs \$100

SL-BD1 Manual Turntable

Belt-drive turntable. Features P-Mount compatibility; variable speed control; strobe; 33 $\frac{1}{3}$ and 45 RPM. W&F 0.045% WRMS; rumble -70 dB; effective tonearm mass without cartridge 7.5 g; effective



tonearm length 230 mm; max tracking error +0° 32' at inner groove of record and +2° 32' at outer groove of record; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 14 $\frac{1}{4}$ " D; 7.1 lbs \$90

Turntables Without Tonearms

SP-10MK3 Direct-Drive Turntable

Quartz synthesizer direct-drive 33 $\frac{1}{3}$ -, 45-RPM, 78-RPM turntable without tonearm. Features high torque for full speed in 30° of rotation; electronic, mechanical braking for speed change in 0.3 second; ultra-high precision integral rotor-platter quartz direct-drive motor; quartz synthesizer pitch control (0.1% steps to \pm 9.9% all speeds); separate power supply, remote-control unit. RC unit features numeric LED speed, pitch displays; soft-touch switches (start/stop duplicated on turntable). W&F 0.015% WRMS \pm 0.001%; 14 $\frac{1}{32}$ " W x 14 $\frac{1}{32}$ " D x 4 $\frac{1}{16}$ " H; 40 lb turntable; 16 $\frac{1}{32}$ " D x 6 $\frac{1}{32}$ " W x 3 $\frac{1}{32}$ " H \$1,700
SH-10B5. Optional turntable base \$800

SP-10M2A Direct-Drive Turntable

Quartz synthesizer direct-drive 33 $\frac{1}{3}$ -, 45- 78-RPM turntable without tonearm. Features high torque to bring up to full speed in 25° of rotation; electronic, mechanical braking for speed change in 0.3 second; separate power supply, remote-control unit. W&F 0.025% WRMS \pm 0.002%; rumble -70 dB DIN-B; speed drift within \pm 0.002%; 14 $\frac{1}{16}$ " W x 14 $\frac{1}{16}$ " D x 4 $\frac{1}{16}$ " H, 20.9 lb \$1,100
SH-10B3. Optional turntable base \$520

SP-15 Direct-Drive Turntable

Quartz-synthesized direct-drive 33 $\frac{1}{3}$ -, 45-, 78-RPM turntable without tonearm. Features full speed in 0.4 second (40° of rotation); brake to full stop in 0.4 second (40° of rotation) at 33 $\frac{1}{3}$ rpm; \pm 9.9% quartz-locked pitch control. W&F 0.025% WRMS; rumble 56 dB DIN-A, 78 dB DIN-B \$700
SP-25. Similar to SP-15 except no 78-RPM speed, \pm 6% pitch control \$400

Turntable Bases

SH-15B2. Base for SP-25 and SP-15 turntables. Has heavy acoustic rubber base with simulated wood \$280
SH-15B3. Similar to SH-15B2 except heavy acoustic rubber base only \$280

SH-B10 Turntable Stand

45°-angle TNRC turntable stand for use on following linear-tracking turntables: SL-7, SL-10, SL-15 only \$32

SH-100 Plug-In Headshell

Aluminum die-cast universal plug-in headshell with

calibrated overhang cursor and gold-plated contacts for Technics tonearms \$16

THORENS

All Thorens turntables are belt-driven, single-play units having straight tubular tonearms for lower effective mass; gumbal suspension; antiskate control; 9" effective tonearm length; tracking error <0.18°/cm (0.46°/in.).

TD-126III C Semiautomatic Single-Play Turntable

Turntable with automatic tonearm lift, motor shutoff. Features 33 $\frac{1}{3}$ -, 45-, 78 rpm speeds; electronic speed selection; \pm 6% pitch control; stroboscope; electronic velocity sensor that actuates arm lift; frictionless magnetic antiskating; dust cover. W&F <0.035%; rumble -72 dB wtd, -51 dB unwtd \$800
TD-126III B. Same as TD-126C MKIII but without tonearm \$645

TD 320 Semiautomatic Single-Play Turntable

Belt-drive 33 $\frac{1}{3}$ and 45 RPM turntable with 16-pole synchronous motor. Features twin solid-core chassis and three-point leaf spring suspension; low mass Iso-Track tonearm with detachable tonearm tube and fric-



tion-free velocity sensing auto shut-off triggering system. W&F 0.35%, rumble -52 dB unwtd, -72 dB wtd; 17 $\frac{1}{8}$ " W x 13 $\frac{1}{8}$ " D x 6 $\frac{1}{4}$ " H \$500
TD321 Armless Turntable. Same as TD320 but without tonearm \$395

TD 318 Semiautomatic Single-Play Turntable

Belt-drive 33 $\frac{1}{3}$ and 45 RPM turntable with 16-pole synchronous motor. Features floating subchassis suspension system; 9" low-mass, low-friction tonearm; friction-free velocity sensing auto shut-off triggering. W&F 0.04%; rumble -50 dB unwtd, -706 dB unwtd; gloss black; 6" H x 17" W x 14" D. \$350

TD 166 MK II Manual Turntable

Belt-drive 33 1/3 and 45 RPM turntable with 16 pole synchronous motor. Features suspension isolated subchassis; low-mass, low-friction tonearm with detachable tonearm tube W&F 0.05%; rumble -50 dB unwtd, -70 dB wtd; 17" W x 14" D x 6" H \$220

TOSHIBA

SR-B2L Automatic Turntable

Belt-drive 33 $\frac{1}{3}$ - and 45-RPM turntable with auto return/shut off arm. Features straight statically balanced tonearm; synchronous motor; front-mounted controls; antifeedback cabinet W&F 0.07% WRMS; S/N 60 dB; 16.5" W x 14.8" D x 4.9" H \$110
SR-B2. Similar to SR-B2L except has anodized magnet cartridge \$120

VECTOR RESEARCH

VT-280 Turntable

Automatic belt-drive, linear-tracking turntable. P-Mount compatible, 33 $\frac{1}{3}$ and 45 rpm. W&F 0.07% \$170

VT-240 Turntable

Automatic belt-drive turntable. Features pivoted arm, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, variable speed control, strobe, floating sub-chassis, gold-plat-

ed phono plugs. W&F 0.07% \$150

VT-160 Turntable

Semiautomatic belt-drive turntable. Features pivoted arm, P-Mount compatible, 33 $\frac{1}{3}$ and 45 RPM, gold-plated phono plugs. W&F 0.07%; 10 lbs \$90

**CW & J WALKER LTD.
by MUSIC & SOUND IMPORTS**

CJ-58 MKII Manual Turntable

Belt-drive pivoted-arm turntable. Features 33 $\frac{1}{3}$ and 45 RPM; 3 point fully adjustable suspension; removable tonearm board; tufnol platter to eliminate ringing. W&F 0.05% WRMS; rumble -77 dB; effective tonearm mass without cartridge 11 g; effective tonearm length 229 mm; 20 lbs ... \$587/with MAS 282II tonearm.
Without tonearm \$289

CJ-55 Series II Turntable

Belt-drive manual turntable designed and manufactured using very little metal to eliminate ringing. Platter made of Tufnol, a material acoustically inert. Features 33 $\frac{1}{3}$ and 45 RPM. W&F 0.06 %; rumble -77 dB; 19 $\frac{1}{8}$ " W x 5 $\frac{1}{8}$ " H x 14 $\frac{1}{4}$ " D; 20 lbs. Without tonearm \$369

CJ-61 Turntable

Belt-drive turntable with independent 3-point fully adjustable suspension; floating subframe design utilizes a min of vibration-causing materials for excellent dynamic behavior and rapid recovery following excitation. Features manual pivoted arm, 33 $\frac{1}{3}$ and 45 RPM. W&F 0.06%; rumble -77 dB; effective tonearm mass without cartridge 11 g \$329
Without tonearm \$179

YAMAHA

PF-1000 Semiautomatic Turntable

Semiautomatic belt-drive pivoted-arm turntable with dynamic balance twin-pipe tonearm; walnut veneer cabinet. Features two-piece platter; 33 $\frac{1}{3}$ and 45 RPM speeds; variable speed control \pm 6%. W&F 0.023% WRMS; rumble 80 dB; effective tonearm length 8 $\frac{1}{4}$ "; 30 lbs \$650
PF-800. Similar except with black vinyl finish, particle-board cabinet. \$495

P-520 Automatic Turntable

Automatic direct-drive pivoted-arm turntable with optimum-mass tonearm and disc clamp. Features 33 $\frac{1}{3}$ and 45 RPM speeds; P-Mount compatible; variable speed control with strobe. W&F 0.015% WRMS; rumble -78 dB; effective tonearm mass without cartridge 11 g \$189
P-320. Similar to P-520 except with belt drive \$149
P-220. Similar to P-520 except semiautomatic with belt drive \$129

PF-50 Automatic Turntable

Direct-drive turntable with three-point floating suspension and knife-edge dynamic-balance tonearm. Features P-Mount compatibility; 33 $\frac{1}{3}$ and 45 RPM; resonance-absorbing turntable mat; disc clamber/EP adapter; overhang adjustment gauge. W&F 0.15% WRMS; S/N 78 dB A-weighted; effective tonearm mass without cartridge 11 g; effective tonearm length 8 $\frac{1}{4}$ ". 17 $\frac{1}{8}$ " W x 4 $\frac{1}{8}$ " H x 14" D \$195
PF-30. Similar to PF-50 except belt drive \$145
PF-20. Similar to PF-30 except semiautomatic, standard EP adapter \$125

PS59 Semiautomatic Turntable

Features belt drive; P-mount compatible; 33 $\frac{1}{3}$ and 45 RPM; strobe. W&F 0.045% WRMS; S/N 55 dB A-wtd \$110

For explanations of abbreviations, specifications, and technical terms, turn to the vocabulary on page 18.

5

cartridges & tonearms

ACCUPHASE by MADRIGAL

AC-2 Moving-Coil Phono Cartridge

MC cartridge with high-stiffness, light-mass tubular sapphire cantilever. Features damped damper; rare-earth samarium-cobalt magnet; permalloy core; large-diameter coil wire; die-cast aluminum alloy hard housing. FR 20-60,000 Hz; ch sep at 1 kHz 30 dB; output 0.18 mV at 1 kHz, 5 cm/sec; balance at 1 kHz 0.5 dB; tracking force 1.0-3.0 g; \$475

AC-3 Moving-Coil Phono Cartridge

MC cartridge with tubular boron and beryllium rod cantilever. Features microtrack stylus, rare-earth samarium cobalt magnet, diecast aluminum alloy hard housing. Output 0.2 mV at 5 cm/sec; FR 20-20,000 Hz \pm 1 dB; sep 30 dB at 1,000 Hz; tracking force range 1.5-2.0 g; cartridge weight 7.5 g \$375

ADC

TRX 3 Phono Cartridge

Induced-magnet cartridge with line-contact nude rectangular diamond stylus; precision die-cast metal body; ultra-rigid beryllium cantilever; screw-down lock stylus system mount. FR 20-26,000 Hz \pm 1 dB; recommended tracking force 1.2 g \pm 0.2 g; output voltage 3 mV (5 cm/sec at 1 kHz); ch balance within 0.5 dB (1 kHz); ch sep > 30 dB (1 kHz); compliance 40 x 10⁻⁶ cm/dyne static; imp 3.9 ohms (1 kHz); DC resistance 650 ohms; load resistance 47k ohms; load capacitance 275 pf; weight 8 g; stylus tip nude PH line contact; 0.12 x 0.06 x 0.05 (vital III) \$300

TRX 1 Phono Cartridge

Induced-magnet cartridge with line-contact nude diamond stylus; precision die-cast metal body; screw down lock stylus system mount; titanium beryllium cantilever; FR 20-24,000 Hz \pm 1 dB; recommended tracking force 1.2 g \pm 0.2 g; output voltage 3 mV (5 cm/sec at 1 kHz); ch balance within 1 dB (1 kHz); ch sep > 30 dB (1 kHz); compliance 40 x 10⁻⁶ cm/dyne static; imp 3.9 ohms (1 kHz); DC resistance 650 ohms; load resistance 47k ohms; load capacitance 275 pf; weight 8 g; stylus tip nude PH line contact 0.3 x 0.22 x 0.5 (vital I) \$225

PSX-40 Phono Cartridge

Induced-magnet cartridge with P-Mount adapter so that cartridge is useable for both conventional and P-Mount tonearms. Features 0.2 x 0.7 mil nude diamond stylus, tapered titanium tube cantilever. FR 20-24,000 Hz; tracking force 1 1/4 \pm 0.2 g; output voltage 3.5 mV (5 cm/sec at 1 kHz); ch balance within 1.5 dB (1 kHz); ch sep > 28 dB (1 kHz); compliance 35 x 10⁻⁶ cm/dyne static; imp 3.2 ohms (1 kHz); DC resistance 275 pf; weight 5.9 g (7.2 g with adapter) \$135

PSX-30 Phono Cartridge

Induced-magnet cartridge with P-Mount adapter so that cartridge is useable in both conventional and P-Mount tonearms. Features 0.3 x 0.7 mil nude diamond stylus; aluminum tapered cantilever. FR 20-22,000 Hz; tracking force 1 1/2, \pm 0.2 g; output voltage 3.5 mV (5 cm/sec at 1 kHz); ch balance within 1.5 dB (1 kHz); ch sep > 26 dB (1 kHz); compliance 35 x 10⁻⁶ cm/dyne static; imp 3.2 ohms (1 kHz); DC resistance 610 ohms; load resistance 47k ohms; load capacitance 275 pf; weight 5.9 g (7.2 g with adapter) \$110

PSX-20 Phono Cartridge

Induced-magnet cartridge with P-Mount adapter so that cartridge is useable in both conventional and P-Mount

tonearms. Features 0.3 x 0.7 mil bonded elliptical diamond stylus; aluminum cantilever. FR 20-20,000 Hz; tracking force 1 1/2, \pm 0.2 g; output voltage 4 mV (5 cm/sec at 1 kHz); ch balance within 2 dB (1 kHz); ch sep > 20 dB (1 kHz); compliance 35 x 10⁻⁶ cm/dyne static; imp 4K ohms (1 kHz); DC resistance 1,200 ohms; load resistance 47k ohms; load capacitance 275 pf; weight 5.9 g (7.2 g with adapter) \$90

PSX-10 Phono Cartridge

Induced-magnet cartridge with P-Mount adapter so cartridge is useable for in conventional and P-Mount tonearms. Features bonded conical diamond stylus, 0.65 mil; tubular aluminum cantilever. FR 20-18,000 Hz; tracking force 1 1/2, \pm 0.2 g; output voltage 4 mV (5 cm/sec at 1 kHz); ch balance within 2 dB (1 kHz); ch sep > 20 dB (1 kHz); compliance 30 x 10⁻⁶ cm/dyne static; imp 4k ohms (1 kHz); DC resistance 1,200 ohms; load resistance 47k ohms; load capacitance 275 pf; weight 5.9 (7.2 g with adapter) .. \$60

ADCOM

SXC-van den Hul MC Phono Cartridge

High-output MC cartridge with tubular sapphire cantilever and van den Hul stylus. Features 3.5-micron contact radius; vertical groove extended to 85 microns; aluminum cantilever; crosscoil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz +3, -0 dB; tracking force 1.8 g; square-wave rise time 7 msec; ch sep 20 dB 200-20,000 Hz; 4.7g .. \$450

XC-MR11 Moving-Coil Phono Cartridge

High output cartridge with nude-mounted square-shank stylus. Features thin-walled aluminum cantilever; crosscoil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz \pm 1 dB; ch sep 28 dB at 1 kHz; tracking force 1.8 g; effective tip mass 0.35 mg; 0.15 mil x 3.0 mil scanning radius; weight 4.7 g \$325

XC-LT11 Moving-Coil Phono Cartridge

High-output MC cartridge with Line-Trace stylus, thin-wall aluminum cantilever, crosscoil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz \pm 1 dB; ch sep 28 dB at 1 kHz; tracking force 1.8 g; effective tip mass 0.35 mg; weight 4.7 g \$260

HC-vdH II Moving-Coil Phono Cartridge

High-output MC stereo phono cartridge with van den Hul stylus. Features thin-wall aluminum cantilever; crosscoil 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; ch balance within 1.5 dB; tracking force 2 g; effective tip mass 0.35 mg; 4.7g \$220
HC-E II. Similar to HC-VdH II except with elliptical stylus. \$140

AKG ACOUSTICS

P100LE Phono Cartridge

Hand-made cartridge using the patented Trauserse-Suspension, Tapered Beryllium Cantilever. Features analog-6 stylus; adjustable vertical tracking angle; 5 year warranty; limited edition. Moving-iron cartridge \$1,000

Super Nova P8ES Phono Cartridge

Moving-iron cartridge with patented transversal suspension system with the new van den Hul II replaceable diamond. Features FR/crosstalk curve; carbon-fiber stylus brush; screwdriver. Output 2.8 mV at 3.54 cm/sec; FR 10-28,000 Hz \pm 1 dB; sep 30 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 3.5 g \$450

P-25MD Phono Cartridge

Variable-reluctance induced-magnet cartridge with patented diamond-technology transverse-suspension system, cylindrical/magnet design. Features FR/crosstalk curve; carbon-fiber stylus brush; screwdriver; antiresonance compound. Output 2.7 mV at 3.54 cm/sec rms; FR 10-28,000 Hz; sep \pm 1 dB; tracking force range 0.75-1.25 g; diamond "Analog-Six" stylus mass 0.015 mg; 3.5 g \$250

P-15MD Phono Cartridge

Variable-reluctance induced-magnet cartridge with patented diamond-technology transverse-suspension system, cylindrical magnet. Features FR/crosstalk curve; carbon-fiber stylus brush; screwdriver, antiresonance compound. Output 3.4 mV rms at 3.54 cm/sec; FR 10-23,000 Hz; sep \pm 1.5 dB; tracking force 1.0-1.5 g; elliptical diamond stylus; stylus mass 0.018 mg; 3.5 g \$165

P10ED Studio Phono Cartridge

Designed for broadcast and disco; built-in stylus guard prevents damage during use. Output 5.8 mV at 3.54 cm/sec; FR 20-20,000 Hz \pm 2 dB; sep 25 dB at 1,000 Hz; tracking force range 2.5-4.5 g; cartridge weight 3.5 g \$120

P-10ED Phono Cartridge

Variable-reluctance induced-magnet cartridge with patented transverse suspension, cylindrical magnet. Features carbon-fiber stylus brush; screwdriver; antiresonance compound. Output 5.8 mV rms at 3.54 cm/sec; FR 20-20,000 Hz; sep \pm 2dB; tracking force 1.25-2.0 g; elliptical diamond stylus; stylus mass 0.25 mg; 3.5 g \$115

P-5ED Phono Cartridge

Variable-reluctance induced-magnet cartridge with patented transverse suspension, cylindrical magnet. Features compatibility with automatic turntables, record changers; elliptical diamond stylus. Output 5.8 mV rms at 3.54 cm/sec; FR 20-20,000 Hz; sep \pm 2 dB; tracking force 1.5-2.0 g \$80

P4 Phono Cartridge

Standard 1/2"-mount cartridge designed for heavy/medium heavy tonearms. FR 20-20,000 Hz; sep 20 dB at 1,000 Hz; tracking force 1.5 g; cartridge weight 3.5 g \$50
P4DP. As above except standard TP4 mount. .. \$50

ALPHASON by MUSIC & SOUND IMPORTS

HR100 MCS S-Shaped Tonearm

Precision tonearm manufactured from a single piece of titanium for maximum rigidity. Mono crystal silver wire is used for internal wiring to reduce resistance to 0.1 ohms. Four different counterweights available to individually matching all available cartridges. Dynamically balanced tonearm; decoupled counterweight; tracking force range 0-4 grams calibrated to 1/10 grams; effective mass 13 grams; effective length 229 millimeters \$895

Alphason HR100S Tonearm

Precision tonearm manufactured from single-piece titanium tube for max rigidity. Bearings and races are made from tungston carbide, bearing tolerance well below 1 micron. 4 different counterweights available for matching to any available cartridge. Features dynamically balanced decoupled counterweight. Headshell fabricated from the same piece of titanium as the arm-tube for maximum rigidity. Tracking-force range 0-4 g calibrated to 1/10 g. Effective mass 13 g;

stylus overhang 18 mm; effective length 229 mm \$795

Xenon Precision Tonearm

S-shaped tonearm made from titanium for maximum rigidity. Features decoupled counterweight; Headshell manufactured from titanium one piece tube. Tracking force range 0-4 grams calibrated to $\frac{1}{16}$ grams. Effective mass 11 grams; Effective length 229 millimeters \$495

ANDANTE by SUMIKO

FGV Phono Cartridge

Cartridge with stylus configuration virtually identical to cutting stylus shape. Features extended line contact diamond stylus modified to prevent accidental re-cutting of grooves; nude diamond-stylus mounted on aluminum-alloy tubular cantilever; micro-mass magnet; hand-wound coils. Output 5.0 mV; FR 10-35,000 Hz; sep 30 dB at 1 kHz; compliance 20×10^{-6} cm/dyne; tracking-force range 0.75-1.5 g; input imp 47 kohms; weight 6 g \$200

E Phono Cartridge

Micro-mass magnetic cartridge with aluminum-alloy tubular cantilever, 0.2 x 0.8-mil polished bonded-diamond elliptical stylus; hand-wound coils; output 5.0 mV; FR 12-30,000 Hz; sep 30 dB at 1 kHz compliance 20×10^{-6} cm/dyne; tracking force range 1-1.9 g; input imp 47 kohms; 6 g \$100
S. Similar to E except uses 0.5-mil polished bonded-diamond spherical stylus; FR 18-27,000 Hz; sep 28 dB at 1 kHz; compliance 18×10^{-6} cm/dyne; tracking force range 1-2.5 g \$75
H. Similar to S except output 10 mV; FR 18-23,000 Hz; sep 27 dB; compliance 15×10^{-6} cm/dyne \$55

HSP Phono Cartridge

MM cartridge with smooth response and high output. Output 6 mV at 3.54 cm/sec; FR 18-25,000 Hz; sep 28 dB at 1,000 Hz; tracking force range 1-2 g; cartridge weight 6 g \$65

APATURE by ACR

KOCE MC Phono Cartridge

High output MC cartridge with 0.3×0.7 mil made flawless nude elliptical diamond mounted on a tapered cantilever. Output 3.2 mV (1 kHz/50 mm/sec); output balance at 1,000 Hz within 1 dB; sep at 1,000 Hz 25 dB; DC resistance 120 ohms; imp 120 ohms; vertical tracking angle 20°; compliance 10×10^{-6} cm/dyne; tracking force 2 ± 3 g; cartridge weight 4.2 g \$200

ASTATIC

Moving Flux MF-100MR Phono Cartridge

MM phono cartridge with a Micro Ridge stylus (user replaceable), tapered cantilever; single-point pivot system, and gold-plated terminals. Output 3.5 mV at 5 cm/sec; FR 10-20,000 Hz ± 1 dB; sep 25 dB at 1,000 Hz; tracking-force range 1-1.5 g; 5 g; compliance of 50×10^{-6} cm/dyne \$320

Moving Flux MF 100 Phono Cartridge

Features output 3.5 mV at 5 cm/sec; FR 10-20,000 Hz ± 1 dB; sep 25 dB at 1 kHz; tracking-force range 0.75-1.25 g; Shibata-type parabolic stylus and compliance of 50×10^{-6} cm/dyne \$290

Moving Flux MF 200 Phono Cartridge

Features output 4.2 mV at 5 cm/sec; FR 10-20,000 ± 2 dB; sep 23 dB at 1 kHz; tracking-force range 1.5-2 g; Shibata-type parabolic stylus and compliance of 45×10^{-6} cm/dyne \$160

Moving Flux MF 300 Phono Cartridge

Features output 4.2 mV at 5 cm/sec; FR 10-20,000 Hz ± 2.5 dB; sep 20 dB at 1 kHz; tracking-force range 1.5-2.0 g; elliptical diamond stylus; compliance 35×10^{-6} cm/dyne \$100

Moving Flux MF 400 Phono Cartridge

Features output 3.5 mV at 5 cm/sec; FR 10-18,000

Hz ± 3 dB; sep 20 dB at 1 kHz; tracking-force range 1.5-2.5 g; spherical diamond stylus, compliance 35×10^{-6} cm/dyne \$80

IM-10E Phono Cartridge

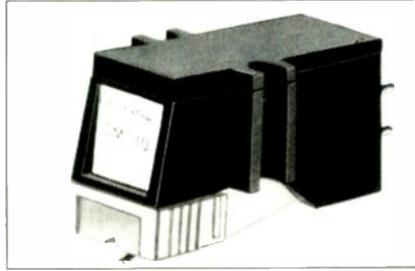
Induced-magnet phono cartridge with a user replaceable, 0.3×0.7 mil elliptical diamond stylus. Output 4.1 mV at 5 cm/sec; FR 10-20,000 Hz ± 2.5 dB; sep 22 dB at 1,000 Hz; tracking-force range 1.5-2.5 g; cartridge weight 7.5 g; compliance of 35×10^{-6} cm/dyne \$52

IM-25P Phono Cartridge

Induced magnet, P-mount phono cartridge with user replaceable spherical diamond stylus. Output 4.2 mV at 5 cm/sec; FR 20-20,000 Hz ± 3 dB; sep 20 dB at 1,000 Hz; tracking-force range 1-1.5 g; cartridge weight 5.9 g; compliance 30×10^{-6} cm/dyne \$50

IM-10 Phono Cartridge

Induced magnet phono cartridge with user replaceable diamond stylus. Output 4.2 mV at 5 cm/sec; FR 10-20,000 Hz ± 3 dB; sep 20 dB at 1,000 Hz; track



ing-force range 2.0-2.5 g; cartridge weight 7.5 g; compliance of 30×10^{-6} cm/dyne \$40

AUDIO-TECHNICA

Dual Moving-MicroCoil™ Series

AT35E Phono Cartridge

Cartridge with user-replaceable Moving MicroCoil™ stylus assembly. Features low-mass design; 0.2×0.7 -mil nude-mounted BiRadial square-shank diamond stylus. Output 0.4 mV at 5 cm/sec; FR 15-50,000 Hz; ch balance/sep 0.5/30 dB at 1 kHz; tracking force 1.2-1.8 g \$275

AT31E Phono Cartridge

Cartridge with user-replaceable Moving MicroCoil stylus assembly. Features square-shank 0.2×0.7 -mil biradial diamond stylus. Output 0.4 mV at 5 cm/sec; FR 15-50,000 Hz; ch balance/sep 1/29 dB at 1 kHz; tracking force 1.21-1.8 g \$185

AT30E Phono Cartridge

Dual moving MicroCoil™ model with user replaceable stylus assembly and 0.3×0.7 mil BiRadial stylus. Features thin-wall tube cantilever. Output 0.3 mV at 5 cm/sec; FR 15-25,000 Hz; sep 25/15 dB at 1,000 Hz; tracking-force range 1.4-2 g; cartridge weight 5 g. Recommended load imp 10-20 ohms \$140

AT30HE Phono Cartridge

Stereo cartridge with user-replaceable Moving MicroCoil stylus assembly. High output eliminates need for transformer; 0.3×0.7 -mil nude-mounted diamond stylus. Output 2 mV; FR 15-30,000 Hz; sep 29 dB at 1 kHz; tracking-force 1.4-1.8 g \$140

AT 312EP Phono Cartridge

Universal-mount MC cartridge with user-replaceable stylus. Dual moving MicroCoil™. output 0.4 mV at 5 cm/sec; FR 15-25,000 Hz; sep 30 dB at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g. Comes with $\frac{1}{2}$ " mounting adapter \$160

Vector-Aligned Series

AT160ML Phono Cartridge

Paratoroidal-coil MM cartridge with MicroLine™ stylus mounted on gold-plated beryllium cantilever. Output

5 mV at 5 cm/sec. FR 5-35,000 Hz; sep 31 dB at 1 kHz; tracking-force range 0.8-1.8 g; 8.1 g \$275
ATN 160 ML. Replacement stylus \$125

AT155LC Vector-Aligned Phono Cartridge

Output 5.0 mV at 5 cm/sec at 1 kHz; FR 5-35,000 Hz with class I tolerance; ch balance/sep 0.5/31 dB at 1 kHz; tracking force 0.8-1.6 g; nude-mounted square-shank linear-contact stylus; beryllium cantilever; Vector-Aligned dual magnet; para-toroidal coil \$240
ATN155LC. Replacement stylus \$100

AT140ML Vector-Aligned Phono Cartridge

Output 5.0 mV at 5 cm/sec; FR 5-32,000 Hz with class II tolerance; ch balance/sep 0.75/30 dB at 1 kHz; tracking force 0.8-1.8 g; nude-mounted square-shank MicroLine™ stylus; Vector-Aligned dual magnet; para-toroidal coil \$185
ATN140ML. Replacement stylus \$75

AT130E Vector-Aligned Phono Cartridge

Para-toroidal coil construction; output 5.0 mV at 5 cm/sec; FR 10-30,000 Hz with class II tolerance; ch balance/sep .75/30 dB at 1 kHz; 0.2×0.7 mil nude biradial stylus; Vector-aligned dual magnet \$125
ATN130E. Replacement stylus \$50

AT125LC Vector-Aligned Phono Cartridge

Para-toroidal coil construction; output 5.0 mV at 5 cm/sec; FR 15-28,000 Hz with class II tolerance; ch balance/sep 1/29 dB at 1 kHz; linear-contact titanium-bonded stylus; Vector-Aligned dual magnet; paratoroidal coil \$135
ATN125LC. Replacement stylus \$60

AT120E Vector-Aligned Phono Cartridge

Para-toroidal coil construction; output 5.0 mV at 5 cm/sec; FR 15-25,000 Hz with class II tolerance; ch balance/sep 1/29 dB at 1 kHz; tracking force 1-1.8 g; Vector-Aligned dual magnet; 0.3×0.7 -mil BiRadial nude mounted diamond stylus \$95
ATN120E. Replacement stylus \$45

AT110E Phono Cartridge

Output 4.5 mV at 5 cm/sec; FR 20-22,000 Hz; ch sep 26 dB at 1 kHz; tracking force 1-2 g; 0.4×0.7 -mil BiRadial bonded diamond stylus \$70
ATN110E. Replacement stylus \$35

AT105 Phono Cartridge

Output 4.5 mV at 1 kHz; FR 20-20,000 Hz; tracking force 1.5-2.5g; channel separation 26 dB at 1,000 Hz; 0.7 -mil UniRadial bonded diamond stylus; dual magnet \$55
ATN105. Replacement stylus \$30

P-Mount Series

AT231LP Phono Cartridge

Universal-mount MM cartridge with linear-contact stylus. Output 3.5 mV at 5 cm/sec. FR 10-30,000 Hz; sep 31 dB at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g; comes with $\frac{1}{2}$ " mounting adapter \$130

AT221EP Phono Cartridge

Universal-mount MM cartridge with square-shank 0.2×0.7 mil biradial stylus; output 5 mV at 5 cm/sec. FR 10-28,000 Hz; sep 31 dB at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g; comes with $\frac{1}{2}$ " mounting adapter \$135

AT216EP Phono Cartridge

Universal-mount MM cartridge with 0.3×0.7 mil biradial stylus; output 5 mV at 5 cm/sec. FR 15-27,000 Hz; sep 29 dB at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g; comes with $\frac{1}{2}$ " mounting adapter \$100

AT211EP Phono Cartridge

Universal mount MM cartridge with 0.4×0.7 mil biradial stylus; output 5 mV at 5 cm/sec. FR 15-25,000 Hz; sep 29 at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g; comes with $\frac{1}{2}$ " mounting adapter \$75

AT201EP Phono Cartridge

Universal mount MM cartridge with 0.4 x 0.7 mil bi-radial stylus; output 5 mV at 5 cm/sec. FR 20-25,000 Hz; sep 26 dB at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g; comes with 1/2" mounting adapter\$65

AT201P Phono Cartridge

Universal-mount MM cartridge with 0.6 mil unidiradial stylus; output mV 5 cm/sec. FR 20-22,000 Hz; sep 26 dB at 1 kHz; tracking-force range 1-1.5 g; cartridge weight 6 g; comes with 1/2" mounting adapter\$55

AT152MLP Phono Cartridge

Direct-plug-in cartridge for P-mount turntables. Features extremely stiff but lightweight beryllium cantilever and nude-mounted square-shank MicroLine™ diamond stylus\$240

AT132EP Phono Cartridge

Direct plug-in cartridge for P-mount turntables. Features Vector-Aligned dual-magnet system with tapered alloy cantilever; 0.2 x 0.7-mil nude-mounted bi-radial diamond stylus\$150

Tonearms**AT1010 Tonearm**

Features low-frequency resonance damping; silver wire used for all arm leads including AT-MS headshell; gold-plated contacts; lateral balance adjustment for tracking warped records, stylus pressure 0-2.5 g\$375

AUDIOQUEST**AQ T-7H Moving-Coil Phono Cartridge**

Cartridge with tapered titanium cantilever and machined aluminum body with sapphire coupling block. Output 2.4 mV at 5 cm/sec; FR 10-50,000 Hz; sep 25 dB at 1,000 Hz; tracking force 2 g; cartridge weight 9.2 g\$495
T-7M. Same except 1.1 mV output\$495
T-7L. Same except 0.22 mV output\$495

AZDEN**GM-P5L Phono Cartridge**

P-mount MC cartridge with Nude line contact stylus and boron cantilever. Output 0.2 mV at 5 cm/sec; FR 10-60,000 Hz; sep 30 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 5.9 g ..\$250

YM-P50VL Phono Cartridge

MM cartridge with Vital Nude line contact stylus and tapered aluminum cantilever. Output 4 mV at 5 cm/sec; FR 10-24,000 Hz; sep 30 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 5.9 g\$150

GM-1E Phono Cartridge

MC cartridge. Output 2 mV at 5 cm/sec; FR 10-22,000 Hz; sep 28 dB at 1,000 Hz; tracking force range 1.5-2.5 g; cartridge weight 2.7 g\$125

YM-10VE Phono Cartridge

MM cartridge with 0.3 x 0.7 mil Vital elliptical stylus. Output 4.5 mV at 5 cm/sec; FR 10-24,000 Hz; sep 26 dB at 1,000 Hz; tracking force range 1.5-2.5 g; 4.5 g; ch bal 1.5 dB at 1,000 Hz\$90

YM-10E Phono Cartridge

MM cartridge with 0.3 x 0.7 mil STD elliptical stylus. Output 4.5 mV at 5 cm/sec; FR 10-22,000 Hz; sep 24 dB at 1,000 Hz; tracking force range 1.5-2.5 g; cartridge weight 4.5 g\$70

YM-10C Phono Cartridge

MM cartridge with 0.65 mil conical stylus. Output 4.5 mV at 5 cm/sec; FR 10-22,000 Hz; sep 22 dB at 1,000 Hz; tracking force range 1.5-2.5 g; cartridge weight 4.5 g\$60

YM-PSOE Phono Cartridge

MM cartridge with 0.3 x 0.7 mil elliptical stylus. Out-

put 4 mV at 5 cm/sec; FR 10-22,000 Hz; sep 28 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 5.9 g; ch bal 1.5 dB at 1,000 Hz\$60

YM-P50 Phono Cartridge

MM cartridge with 0.65 mil conical stylus. Output 4 mV at 5 cm/sec; FR 10-22,000 Hz; sep 24 dB at 1,000 Hz; tracking force range 1.25-1.5 g; cartridge weight 5.9 g; ch bal 1.5 dB at 1,000 Hz\$60

AQ404H Phono Cartridges

High-output MC cartridge with solid brass mounting plate. Output 2.4 mV at 5 cm/sec; FR 10-50,000 Hz; sep 25 dB at 1,000 Hz; tracking force 2 g; cartridge weight 9.1 g\$225

AQ404M. Similar to AQ404H with 1.1 mV output\$225

AQ404L. Similar to AQ404H with 0.22 mV output\$225

AQ MC-3 Moving Coil Phono Cartridge

High-output MC cartridge with user-replaceable stylus. Output 2.5 mV at 5 cm/sec; FR 15-35,000 Hz; tracking force 2 g; cartridge weight 4 g\$145

AQ M-1 Induced-Magnet Phono Cartridge

Medium-compliance cartridge with tapered tabular cantilever for excellent tracking with superior dynamic range. Output 3 mV at 5 cm/sec. FR 20-30,000 Hz; tracking force 1.5 g; cartridge weight 5.5 g \$95

Tonearm**AQ 407 Tonearm**

Super rigid tonearm with AQ-16 headshell and livewire tonearm cable\$495

BANG & OLUFSEN**MMC Series Phono Cartridges**

All MMC cartridges feature armature mounted perpendicularly to the cantilever; crystal sapphire cantilever; multi-radial diamond; four high-output, low-imp coils wound on cores of very low permeability aligned in perfect symmetry with the magnet.

MMC-1. Diamond contact line 0.1 x 0.1 mm sq.; stylus bonding nude; cantilever sapphire tube; recommended tracking force 10 mN/1 g; FR 20-20,000 Hz ±1 dB; 1.6 g\$445

MMC-2. Diamond contact line 0.12 x 0.12 mm sq.; stylus bonding nude; cantilever sapphire tube; recommended tracking force 10 mN/1 g; FR 20-20,000 Hz ±1.5 dB; 1.6 g\$290

MMC-3. Diamond elliptical 0.15 x 0.15 mm sq.; stylus bonding nude; cantilever tapered aluminum tube; recommended tracking force 10 mN/1 g; FR 20-20,000 Hz ±2 dB; 1.6 g\$180

MMC-4. Diamond elliptical 0.20 mm round; stylus bonding titanium; cantilever tapered aluminum tube; recommended tracking force 12 mN/1.2 g; FR 20-20,000 Hz ±2.5 dB; 1.6 g\$105

MMC-5. Diamond elliptical 0.25 mm round; stylus bonding titanium; cantilever tapered aluminum tube; recommended tracking force 15 mN/1.5 g; FR 20-20,000 Hz ±3 dB; 1.6 g\$60

DENON**DL-1000 MC Phono Cartridge**

Output 0.12 mV at 50 mm/sec; FR 20-110,000 Hz; sep 30 dB at 1,000 Hz; tracking-force range 0.8-0.1 g; cartridge weight 60 g\$859

DL-305 MC Phono Cartridge

Features twin radius; boron cantilever. Output 0.2 mV at 50 mm/sec; FR 20-75,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.2-0.2 g; cartridge weight 5.8 g\$559

DL-304 MC Phono Cartridge

Features boron cantilever; high compliance... \$395

DL-302 MC Phono Cartridge

Features high output; detail charm and depth; boron cantilever. Output 0.25 mV at 50 mm/sec; FR 28-70,000 Hz; sep 28 dB at 1,000 Hz; tracking-force

range 1.4-0.2 g; cartridge weight 6 g\$260

DL-301 MC Phono Cartridge

Output 0.3 mV at 50 mm/sec; FR 20-60,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.4-0.2 g; cartridge weight 4.7 g\$159

DL-160 MC 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 1.6-0.3 g; cartridge weight 4.8 g\$115

DL-110 MC 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 1.8-0.3 g; cartridge weight 4.8 g\$85

DL-80 MC Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-45,000 Hz; sep 20 dB at 1,000 Hz; tracking-force range 1.8-0.3 g; cartridge weight 4.5 g\$60

DENNESEN ELECTOSTATICS**ABL-1 Tonearm**

Air-bearing lateral-tracking tonearm includes air pump. Entire armtube removable; any range desired. Stylus overhang 0 mm; overall length and effective length vary (user adjustable); tracking error 0°; 1 1/2 lb\$1,450

DIGITRAC**450SE Phono Cartridge**

Variable magnetic shunt cartridge with aluminum cantilever and elliptical diamond stylus. Output 4 mV at 5 cm/sec; FR 20-30,000 Hz; sep 24 dB at 1,000 Hz; high compliance 35um/mn; tracking force range 1-1.5 g; cartridge weight 6 g\$149

380NE Phono Cartridge

Variable magnetic cartridge with aluminum cantilever and elliptical diamond stylus. Output 4 mV at 5 cm/sec; FR 20-25,000 Hz; sep 22 dB at 1,000 Hz; high compliance 30um/mn; tracking force range 1.25-1.75 g; cartridge weight 6 g\$89

280E Phono Cartridge

Variable magnetic shunt cartridge with aluminum cantilever and elliptical diamond stylus. Features dedicated P-Mount with universal application. Output 4 mV at 1,000 5cm/sec; FR 20-20,000 Hz; sep 20 dB at 1,000 Hz; high compliance 24um/mn; tracking force range 1.25-1.75 g; cartridge weight 6 g\$69

DYNAVECTOR**Karat DRT Moving-Coil Cartridge**

Hand-made standard 1/2"-mount MC cartridge with solid diamond cantilever (1.3 mm long). Output 12 mV at 5 cm/sec; FR 20-40,000 Hz ±1 dB; tracking force range 1.5-1.8 g; cartridge weight 9 g \$1,100

Karat 17 Diamond Super (17DS) Cartridge

MC cartridge with a 1.7 mm length tapered solid diamond cantilever and Micro Reach stylus. Output 0.2 mV at 1,000 Hz, 5 cm/sec; FR 20-90,000 Hz; tracking force 1.8 g; weight 5.3 g\$700

DV 17D2MR Moving-Coil Phono Cartridge

Standard 1/2"-mount MC cartridge with solid diamond cantilever (1.7 mm long) and Micro Reach line-contact stylus. Output 0.2 mV at 5 cm/sec; FR 20-30,000 Hz ±1 dB; tracking force range 1.8-2 g; cartridge weight 5.3 g\$480

DV 23RSMR Moving-Coil Phono Cartridge

Standard 1/2"-mount MC cartridge with tapered ruby cantilever (2.3 mm long) and Micro Reach super-line-contact stylus. Output 0.2 mV at 5 cm/sec; FR 20-30,000 Hz ±1 dB; tracking force range 1.5-1.8 g; cartridge weight 5.3 g\$350

Karat 23 Ruby (23R) Cartridge

MC stereo phono cartridge with 2.3 mm ruby cantilever. Output 0.2mV at 1 kHz, 5 cm/sec; FR 20-

50,000 Hz; tracking force 1.5 g; 5.3 g \$310

DV-20B Type 2 Moving-Coil Cartridge

High-output MC phono cartridge, with cantilever and elliptical stylus straight solid beryllium. Output 3.6 mV at 1 kHz, 5 cm/sec; FR 20-40,000 Hz; tracking force 1.8 g; 5.3 g \$298

DV-20A Type 2 Moving-Coil Cartridge

High-output MC cartridge with tapered aluminum cantilever and elliptical stylus. Output 3.6 mV at 1 kHz, 5 cm/sec; FR 20-40,000 Hz; tracking force 1.8 g; 5.3 g \$240

Karat 19A Moving-Coil Cartridge

MC cartridge with 1.9 mm long tapered solid aluminum cantilever and very small armature. Output 0.25 mV at 1 kHz, 5 cm/sec; FR 20-70,000 Hz; tracking force 1.8 g; 5.3 g \$230

DV-50A Moving-Coil Cartridge

Low-output MC cartridge with nude elliptical diamond stylus, straight aluminum cantilever. Output 0.2 mV at 1 kHz, 5 cm/sec; FR 20-50,000 Hz; tracking force 1.5 g; 4.5 g \$198

DV 10X4 High-Output MC Phono Cartridge

Standard 1/2" mount MC cartridge with no need for step-up device. Very small nude elliptical stylus with straight tube cantilever. Output 2.5 mV at 5 cm/sec; FR 20-25,000 Hz \pm 2 dB; tracking force range 1.7 g; cartridge weight 4.5 g \$160

Tonearm

DV-501 Tonearm

Biaxial tonearm with eddy current damping. Overall length 309 mm; effective length 241 mm; offset angle 21.5°; lateral tracking error 0-2.2°; overhang 15 mm; height adjustable from 36-76 mm \$600

EMINENT TECHNOLOGY

Model One Straight Tonearm

Statically balanced straight line tracking air bearing tonearm with adjustable VTA/SRA. Features decoupled counterweight; variable effective mass; interchangeable headshell. Headshell type and material delrin, expanding collet. Tracking force range 0-5 grams. Effective mass 7-15 g vertical, 30-45 g horizontal. Overall length 273 mm. Effective length 18.7 mm. 400 g; includes air pump \$750

Model Two Straight Tonearm

Straight line tracking air bearing tonearm with adjustable VTA/SRA over an arc while playing a record. Features adjustable height; interchangeable arm tube with preset geometry; decoupled counterweight in horizontal plane; interchangeable preset counterweights. Headshell and tone arm are manufactured as one piece. Tracking force range 0-5 g. Effective mass 5-20 g vertical, 20-30 g horizontal. Overall length 290 mm. Effective length 180 mm. 400 g; includes airpump \$600

EMPIRE

Standard-Mount Moving-Magnet cartridges

400D/111 Gold. .25 x 2.5 Nude paraligner diamond stylus. Features gold plated tapered boron cantilever; inertial damping system; flip-down guard. Standard 1/2" cartridge with black mounting block covering a gold can \$250

2000E/111. .2 x 2.5 Nude elliptical diamond stylus. Features low mass tapered cantilever; flip-down guard. Standard 1/2" cartridge with a gold mount covering a gold can \$165

200/E. STD 1/2" cartridge with black mount covering a silver or black can. Features .2 x .7 mil Nude elliptical diamond stylus with a low mass tapered cantilever; flip-down guard \$100

350DE. Standard 1/2" mount cartridge with black mounting block covering a silver can. Features .4 x .7 Diasa elliptical diamond stylus; flip-down stylus guard \$100

250E. Standard 1/2" mount cartridge with black

mounting block covering a silver can. Features .4 x .7 mil elliptical diamond stylus; flip-down stylus guard \$80

150C. Standard 1/2" mount cartridge with black mounting block covering a silver can. Features .6 mil conical diamond stylus; flip-down stylus guard \$60

P-Mount MM cartridges

580LT. Standard P-mount cartridge with black housing covering a silver or black can. Features square Nude fine line elliptical diamond stylus with tapered cantilever; inertial damping system; flip-down guard \$175

480LT. Standard P-mount cartridge with black housing covering a silver or black can. Features .2 x .7 Nude elliptical diamond stylus with a low mass thin cantilever; inertial damping system; flip-down guard \$170

875LT. Standard P-mount cartridge with black housing covering a black or silver can. Features .2 x .7 Nude Bi-Radial elliptical diamond; flip-down guard \$160

390LT. Standard P-mount cartridge with grey body covering a gold plated can. Features .2 x .7 Diasa elliptical diamond stylus with tapered aluminum cantilever; inertial damping system; flip-down guard \$145

290LT. Standard P-mount cartridge with a grey mounting block covering a silver can. Features .3 x .7 elliptical diamond stylus; clear plastic stylus cover \$80

190LT. Standard P-mount cartridge with a grey mounting block covering a silver can. Features .6 mil conical diamond stylus; flip-down stylus guard \$60

FET Series MC cartridges

MC1000. Features a Van den Hul stylus tip and silver-wire wound coils. Handcrafted in Switzerland \$595

MC-5M and ET-1. Sold together \$250

MC-5M. Features replaceable stylus assembly \$200

ET-1. Moving coil pick-up transformers \$80

ENTRE by ANALOG EXCELLENCE

MC-9 Sapphire MC Phono Cartridge

Features low-mass samarium cobalt magnet; sapphire cantilever; 0.3 x 0.8 mil stylus. Output: 0.25 mV at 5



cm/sec; FR 20-30,000 Hz \pm 2 dB; sep > 26 dB at 1,000 Hz; tracking-force range 1.6-1.9 g; imp 3 ohms; cartridge weight 5.9 g \$375

MC-5 Boron MC Phono Cartridge

Features boron cantilever; high flux density samarium cobalt magnet. Output 0.25 mV at 5 cm/sec; FR 20-30,000 Hz \pm 3; sep 26 dB at 1,000 Hz; tracking-force range 1.6-1.9 g; imp 3 ohms; cartridge weight 5.9 g \$275

MC-1 Basic MC Phono Cartridge

Features double-wound coils; vital nude diamond stylus. Output 0.5 mV at 5 cm/sec; FR 20-30,000 Hz \pm 3 dB; sep 22 dB at 1,000 Hz; tracking-force range 1.8-2 g; cartridge weight 5.9 g; imp 3 ohms \$150

Accessories

ET-100 Step-Up Transformer

Step-up transformer for MC cartridges. Can take 3 stereo connections at once with selection on front panel. Has 4 way switch on front panel for imp matching to MM cartridges (3, 20, 40 ohm and pass). 130 mm W x 70 mm H x 186 mm D; 2 kg \$300

EPOCH by STANTON

Epoch II Series Model HZ9S Cartridge

MM cartridge has output of 0.8 mV. FR 10-25,000 Hz, individually calibrated to 20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking-force 1/4-1 1/2 g; cartridge weight 4 g. With Stereohedron II[®] stylus \$250

LZ9S Phono Cartridge

Includes Stereohedron II[®] stylus. Output 0.04 mV; FR 10-50 000 Hz, individually calibrated to 20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 3/4-1 1/2; 3.8 g \$250

HZ8S Phono Cartridge

Includes Stereohedron II[®] stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 3/4-1 1/2; 4 g \$190

LZ8 Phono Cartridge

Includes stereohedron II[®] stylus. Output 0.04 mV; FR 10-20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 3/4-1 1/2; 3.8 g \$190

HZ7S Phono Cartridge

Output 0.8 mV; FR 10-20,000 Hz; sep 30 dB at 1,000 Hz, 15 dB at 10,000 Hz; tracking 3/4-1 1/2; 4 g \$120

HZ6E Phono Cartridge

Includes elliptical stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 30 dB, 15 dB at 10,000 Hz; tracking force 3/4-1 1/2; 4 g \$95

GOLDBUG LABS by RMI

Mr. Brier Phono Cartridge

MC cartridge with double-tapered hollow-tube cantilever. Output 22 mV at 5 cm/sec; FR 20-20,000 Hz \pm 1 dB; sep 30 dB at 1,000 Hz; tracking force range 1.5-1.7 g; cartridge weight 7 g \$990

Clement II Phono Cartridge

MC cartridge with beryllium hollow-tube cantilever and pure oval diamond tip. Output 22 mV at 5 cm/sec; FR 20-20,000 Hz \pm 1 dB; sep 27 dB at 1,000 Hz; tracking force range 1.6-1.8 g; cartridge weight 5.6 g \$350

Medusa Phono Cartridge

MC cartridge with oval diamond stylus. Output 2 mV at 5 cm/sec; FR 20-20,000 Hz \pm 1 dB; sep 27 dB at 1,000 Hz; tracking force range 1.8-2 g; cartridge weight 5.8 g \$220

GRACE by SUMIKO

F-9E Super Phono Cartridge

Wide-bandwidth stereo moving samarium-cobalt magnet cartridge with unique Omni Axial pivot for reduced longitudinal drag distortion. Features line-contdiamond for extremely low effective moving mass. Compliance 20 x 10⁻⁶ cm/dyne; output 3.5 mV; effective moving mass 0.35 mg; tracking force 1.5 g; cartridge weight 6 g \$200

F-9L. Similar to F-9E except has Advanced Luminal Trace stylus with long, narrow contact line similar to original cutter diamond; Vital mount for total effective moving mass of 0.3 mg; 5.5-mV output; load capacitance 350 pF \$180

F-9E Ruby. Similar to F-9E except ruby cantilevered. \$300

F-8L Phono Cartridge

Matrical-flux stereo moving micro-magnet with Advanced Luminal Trace stylus similar to that in F-9L. Tracking force 0.75-2.5 g; output 5 mV; effective tip mass 0.4 mg; 6.5 g \$125

Tonearms

747 Tonearm

Low-mass highly rigid damped aluminum tubular straight tonearm with detachable headshell with wide-surface coupling mechanism; case-hardened orthogo-

nal bearing system; decoupled counterweight isolated by damper; antiskate cue; overall length 293-321 mm; stylus overhang 15 mm; cartridge weight range 4-10 g \$300

F-707 111 Advanced Design Tonearm

Low-mass highly rigid orthogonal gimbal-bearing tonearm based on Grace 707 but with solid aluminum headshell azimuth adjustable. Other improvement/modifications include: wiring upgrade, integral armrest, improved counterweight decoupler. Tracking force range 0-3.0 g, calibrated to 0.1 g. Effective mass 8 g; stylus overhang 17.5 mm; overall length 293-321 mm; effective length 237 mm \$300

70711 Tonearm

Low-mass highly rigid aluminum tubular straight tonearm with acrylic headshell; orthogonal gimbal bearing system incorporates cone mechanism made of solid base material with case-hardened bearing cone tip; decoupled counterweight isolated by small rubber damper; antiskate, cue; overall length 288-313 mm; cartridge weight range 4.5-12 g; available in black or silver. \$225

GRADO LABORATORIES

All Grado stereo phono cartridges come with diamond styli. Input load 47,000 ohms, inductance 30 mH; DC resistance 780 ohms; weight 4.5 g. Both the Super Fluxbridget and Fluxbridget series are available in P-Mount versions.

Super Fluxbridget Series

Output 5 mV at 3.54 cm velocity (45°); FR 10-60,000 Hz; average ch sep 25 dB, 10-30,000 Hz.
M2+ \$265
M+ \$110
MF-1+ \$90
MF-2+ \$75
MF3E+ \$60

Fluxbridget Series

Output 5 mV at 3.54 cm velocity (45°); FR 10-50,000 Hz; average ch sep 20 dB, 10-30,000 Hz.
MCE+1 \$48
MTE+1 \$18

Professional Series

Output 5 mV at 3.54 cm velocity (45°); FR 10-35,000 Hz; average ch sep 20 dB, 10-20,000 Hz.
MCE+ \$37
MTE+ \$25

HIGHPHONIC by ANALOG EXCELLENCE

MC-D15 Signature MC Phono Cartridge

Features pure diamond, high compliant cantilever; gold-finish alloy body; ultra-line contact design. Output 0.11 mV at 5 cm/sec; FR 10-120,000 Hz \pm 2 dB; sep 35 dB at 1,000 Hz; tracking-force range 0.6-0.9 g; cartridge weight 6.5 g; left/right ch balanced within 0.001 mV output \$1,200

MC-A6 Signature MC Phono Cartridge

Features titanium/aluminum alloy cantilever with silicon-carbide whiskers; 0.1 x 1.2 mil ultra-line contact stylus. Output 0.12 mV at 5 cm/sec; FR 10-85,000 Hz \pm 2 dB; sep 34 dB at 1,000 Hz; tracking-force range 0.8-1.2 g; cartridge weight 6.5 g; left/right ch balanced within 0.001 mV output \$495

MC-R5 MC Phono Cartridge

Features ruby cantilever; ultra-line contact stylus; non-resonant body. Output 0.12 mV at 5 cm/sec; FR 10-75 Hz \pm 2 dB; sep 30 dB at 1,000 Hz; tracking-force range 0.9-1.1 g; cartridge weight 6.5 g; left/right ch balanced within 0.002 mV output \$375

MC-A3 MC Phono Cartridge

Features ultra-line contact stylus; aluminum alloy body. Output 0.12 mV at 5 cm/sec; FR 10-70,000 Hz \pm 2 dB; sep 28 dB at 1,000 Hz; tracking-force range 1-1.2 g; cartridge weight 6.5 g \$250
MC-AZE. Same as MC-A3 with elliptical stylus and FR

20-50,000 Hz \pm 3 dB \$175

Accessories

MC Step-Up Transformers

HP-T7H. For use with 15-40 ohm MC cartridges. Distortion < 0.01%; 6" x 3" x 5"; 4.4 lbs \$599
HP-TL7. Same as above except for 1-10 ohm cartridges \$599
HP-T5. For use with 10-40 ohm MC cartridges. Features gold finish; aluminum case. Distortion < 0.02%. 6" x 3" x 4"; 3lbs \$399

HP-S5 Headshell

Features gold finish color; aluminum alloy with OFC copper lead wires; cartridge mounting screws which go directly inot fingerlift. 13 g \$50

INDUCED MAGNET SYSTEMS

MC-5 Phono Cartridge

MC high-output cartridge with very low effective mass cantilever assembly. Output 2.7 mV at 3.54 cm/s; FR 16-25,000 Hz +1.7 dB/-0.5 dB; sep 22 dB at 1,000 Hz; tracking-force range 1.7-2.3 g, optimum 2 g; cartridge weight 3.7 g \$150

P-2500 Phono Cartridge

Induced-magnet P-mount with samarium cobalt magnet. Features gold-plated terminals; amorphous perm-alloy core; low-mass cantilever. Output 3.8 mV at 5 cm/s; FR 24 dB at 1,000 Hz; tracking-force range 1-1.5 g, optimum 1.25 g; 5.9 g \$110

P-2000 Phono Cartridge

P-Mount induced-magnet cartridge with samarium cobalt magnet. Features gold-plated terminal posts; special low-mass cantilever. Output 3.8 mV at 5 cm/s; FR 20-22,000 Hz \pm 1.8 dB; sep 24 dB at 1,000 Hz; tracking force range 1-1.5 g; optimum tracking force 1.25 g; cartridge weight 5.9 g \$70

1400ER Universal-Mount Phono Cartridge

Stereo induced-magnet cartridge with 0.6 x 0.6-mil cross-grain-crystal natural diamond stylus. Aluminum-alloy cantilever with special permalloy microtubular armature and permalloy case. FR 20-22,000 Hz; 0.52-mg effective mass; 1.75-2.25 g tracking force range \$55

1440E. Similar to 1400R except 0.4 x 0.7-mil elliptical cross-grain-crystal-natural diamond stylus, 0.48 mg effective mass \$65

1466E. Similar to 1440E except has boron bonded stylus. 0.45-mg effective mass; UT-58 alloy cantilever with permalloy microtubular armature; 1.5-2.0 g tracking force range \$80

1460IE. Similar to 1440E except cartridge in integrated headshell for low-mass tonearm \$90

JVC

Z-45EP Phono Cartridge

MM cartridge. Output 2.5 mV; FR 10-30,000 Hz; sep 25 dB at 1,000 Hz; cartridge weight 5.9 g \$70

KISEKI by SUMIKO

Lapis Lazuli Cartridge

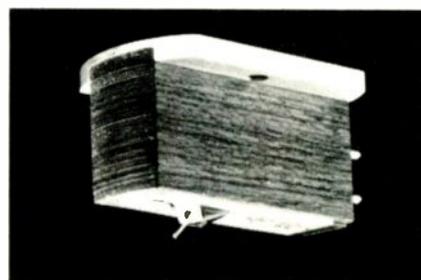
Hand-made individually calibrated MC cartridge with solid aluminum alloy mounting plate; lapis lazuli housing; diamond cantilever. Each cartridge of testing and calibrated for 50 hours \$3,500

Agat Ruby Phono Cartridge

4.5-mm ruby rod cantilever; agate body housing \$1,250

Purpleheart Sapphire Cartridge

Hand-made individually calibrated MC cartridge. Features solid aluminum alloy mounting plate; cantilever; ultra-low mass super elliptical diamond stylus. Output 0.4 mV at 3.54 cm/sec; sep 30 dB at purpleheart hardwood housing; 4.5 mm sapphire rod



1,000 Hz; max tracking force 2 g; cartridge weight 7.5 g; coil imp 42 ohms \$900

Purpleheart MC Cartridge

Hand-made, individually calibrated MC cartridge with solid aluminum alloy mounting plate. Features purpleheart wood housing; boronized aluminum cantilever; 0.14 x 0.06 super elliptical stylus; samarium cobalt magnet. Output 0.4 mV at 3.54 cm/sec; FR 20-50,000 Hz; sep 30 dB at 1,000 Hz; tracking force range 1.6-2.2 g; coil imp 6 ohms; cartridge weight 7.5 g \$800

Blue Silver Spot Cartridge

Hand-made individually calibrated MC cartridge with solid aluminum alloy body. Features boronized aluminum alloy cantilever; nude-mount elliptical diamond; OFC coils. Output 0.3 mV at 3.54 cm/sec; FR 20-50,000 Hz; sep 30 dB at 1,000 Hz; tracking force range 1.6-2.2 g; coil imp 5.3 ohms; cartridge weight 11.4 g \$600

LINN by AUDIOPHILE SYSTEMS

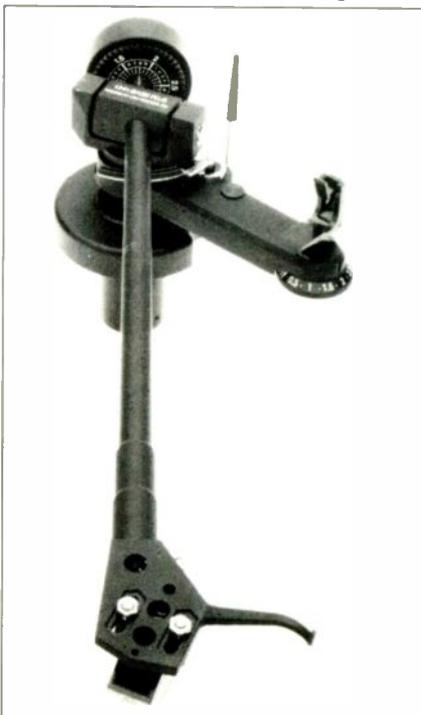
Tonearms

Ittok LV-II Tonearm

Tonearm with 11 1/2" overall length, 9" stylus-pivot distance, damped cueing mechanism. Features radial ball bearings. Effective mass 12 g; total cable capacitance 100 pF; cartridge weight range 3-12 g. \$520

Basik Plus Tonearm

Straight statically balanced tonearm with fixed aluminum headshell and decoupled counterweight. Tracking-force range 0-3 grams calibrated to 0.1 gram; effective mass 11 grams; stylus overhang 18 mm;



overall length 284 mm; effective length 230 mm. Includes Basik cartridge \$160
Basik LVX. Same as Basik Plus except detachable

headshell. Includes Basik cartridge \$160

Karma Moving-Coil Cartridge

Low-output cartridge with elliptical stylus. Body milled from solid aluminum. FR 20-20,000 Hz ± 1 dB; sep 30 dB at 1,000 Hz; tracking force 1.5-1.7 grams; cartridge weight 5.7 grams; channel balance within 1 dB at 1,000 Hz; tracking angle 20° \$725

Asak DC2100K Moving-Coil Cartridge

MC cartridge with 0.2 x 0.8-mil modified elliptical stylus. FR 10-50,000 Hz ± 3 dB; sep 27 dB; output 0.2 mV; imp 3.5 ohms; compliance 12 x 10⁻⁶ cm/dyne; tracking angle 20°; tracking force 1.5-1.9 g. 6 g \$325
Trak. MC cartridge with 0.2 x 0.8 mil-modified elliptical stylus. Technical measurements same as for Asak \$185
Basik Moving-Magnet Cartridge \$75

MISSION ELECTRONICS

The Rose Cartridge

Low-output MC cartridge with 0.3 x 0.7-mm nude block elliptical stylus. Output 0.2 mV at 1 kHz, 5 cm/sec; sep 20 dB at 1 kHz; balance ± 0.5 dB, 20-20,000 Hz; tracking force 2.0 g \$599
773 HC. Similar to The Rose except has 0.6 x 0.8 mm stylus; 2 mV output. Specs same as for The Rose \$399
773 LC. Similar to The Rose except has 0.6 x 0.8-mm stylus. Specs same as for The Rose \$199

Solitaire MM Phono Cartridge

MM cartridge. Output 3 mV at 5 cm/sec; FR 20-20,000 Hz ± 2 dB; sep 28 dB at 1,000 Hz; tracking force range 1.8-2.0 g; cartridge weight 5.7 g \$69

773MM MM Phono Cartridge

Cartridge with 0.3 x 0.8 mil synthetic diamond stylus. Output 4 mV at 1,000 Hz, 3 mV 50 mm/sec at 1,000 Hz; sep 28 dB at 1,000 Hz; tracking force 1.5-2.5 \$79

Tonearm

The Mechanic Tonearm

Tonearm with direct-coupled rigid two-plane symmetrical and concentric bearings; fixed 23° 45' offset angle (adjustable); effective length 228 mm; pivot-spindle 210 mm; overhang 18 mm; effective mass 16 g; friction (horizontal or vertical) < 14 g \$1,200

MONSTER CABLE

Alpha-1 Cartridge

MC cartridge with hollow boron cantilever and micro-ridge stylus for superb tracking and musicality \$475

Alpha-2 Cartridge

MC cartridge with hollow tube sapphire cantilever and micro-ridge stylus. Also available in high-output design which needs no step-up amplification \$650

MUSIC & SOUND IMPORTS

Mas Econocoil Phono Cartridge

High output moving coil cartridge with exceptionally flat response from 20-20,000 Hz. Features elliptical stylus; acoustically inert fibre glass reinforced plastic body. Output 2 mV at 1,005 cm/sec; FR 20-40,000 Hz ± 3 dB; sep 25 dB at 1,000 Hz; tracking force range 1.5-1.8 g; cartridge weight 4.5 g \$129

Mas 282 Series II Tonearm

Offers max rigidity and stability. Bearing system tolerance of 10 microns. Features straight, dynamically balanced, decoupled counterweight. Tracking-force range 0-2.5 g calibrated to 1/10 g; effective mass 11 g; stylus overhang 18 mm; effective length 229 mm \$169

NAGATRON

200 Series Phono Cartridges

Samarium-cobalt alloy magnet structure; universal

mount; FR 10-25,000 Hz; balance/sep 1.0/25 dB at 1 kHz; output 4.0 mV at 50 mm/sec. 1 kHz; recommended load 30k-100k ohms, 50k ohms nominal; dynamic compliance 8 x 10⁶ cm/dyne at 1 kHz; static compliance 20 x 10⁶ cm/dyne.

220CE. 0.3 x 0.7 mil shaped elliptical nude diamond stylus with tapered carbon-fiber cantilever; effective mass 0.60 mg \$150
210E. 0.3 x 0.7 mil elliptical nude diamond stylus with aluminum UT-58 cantilever; effective mass 0.65 mg \$110

100 Series Phono Cartridges

Stereo induced-magnet cartridges with super-permalloy shield; FR 20-20,000 Hz; effective mass 0.85 mg; balance/sep 1.5/24 dB at 1,000 Hz; output 4.0 mV at 50 mm/sec (1 kHz); recommended load 30k-100k ohms, 50k ohms nominal; dynamic compliance > 8 x 10⁶ cm/dyne at 1 kHz; static compliance 20 x 10⁶ cm/dyne; aluminum cantilever.

195IE. 0.3 x 0.7 mil elliptical diamond stylus; integral headshell \$75
185E. 0.3 x 0.7 mil elliptical diamond stylus; universal mount \$65
165S. 0.5 Mil equiradial diamond stylus; universal mount \$55

ORTOFON

Moving-Coil Cartridges

MC-20 Super. MC cartridge with extruded aluminum body. Features Van den Hul stylus; carbon fiber support system. Output 0.25 mV at 1,000 cm/sec; FR 10-65,000 Hz; sep > 25 dB at 1,000 Hz; tracking force range 1.5-1.9 g; cartridge weight 9 g \$350
MCP-100 Super. MC in P-mount format. Output 0.26 mV at 1,000 cm/sec; FR 20-20,000 Hz; sep 25 dB at 1,000 Hz; tracking force min 1.25 g; cartridge weight 6 g \$250
MC10 Super. MC stereo phono cartridge with elliptical nude stylus. Vertical tracking angle 20°; output 0.09 mV at 1 kHz, 5 cm/sec; balance 1.5 dB at 1 kHz; FR 20-20,000 Hz ± 1 dB; tracking force 1.5 g; FIM distortion < 1%; 7 g \$150

Optimum Mass Cartridges

OM-40. Variable magnet shunt cartridge with new individually calibrated Van den Hul stylus. Output 3.5 mV at 1,000 cm/sec; FR 20-29,000 Hz; sep 25-1,000 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 5 or 2.5 g \$300
OM-30. Low-mass Variable Magnetic Shunt phono cartridge. Features cartridge body or neryl plastic for rigidity and low weight; copper coils; mu-metal container for electrical system; nude fine line diamond stylus; tracking force 1.25 g; FR 20-27,000 Hz; output voltage at 1,000 Hz (5 cm/sec) 3.5 mV; wt 2.5 grams; ch sep at 1,000 Hz -25 dB \$225
OMP-30. P-Mount version of OM-30 cartridge; 6 gms \$225
OM-20. Similar to OM-20 except for a more rectangular nude elliptical diamond stylus; designed for medium-weight tonearms; FR 20-22,000 Hz; output voltage at 1,000 Hz (5cm/sec) -4 mV \$175
OMP-20. P-Mount version of OM-20 cartridge; 6 gm \$175
OM-10. Similar to OM-20 except for a heavier stylus tip; designed for use with heavier tonearms; tracking force 1.5 gram; FR 20-22,000 Hz; output voltage at 1,000 Hz (5 cm/sec) 4mV; ch sep at 1,000 Hz 22 dB \$95
OMP-10. P-Mount version of OM-10 cartridge; 6 gm \$95
OM-5E. Similar to OM-10 except for heavier stylus tip; for use with heavier tonearms. Tracking force 1-5 g; FR 20-20,000 Hz \$65
OMP-5E. P-Mount version of OM-5E \$65

FF15XE MkII Phono Cartridge

Variable Magnetic Shunt cartridge with 8- μ m elliptical diamond stylus tip. Output 1.2 mV at 1 kHz, 1 cm/sec; FR 20-20,000 Hz; balance/sep 2 dB/20 dB at 1 kHz; compliance 20 μ m/mN horizontal, vertical; tracking force range 1.5-3 g; replacement stylus NF15XE MkII; 5 g \$50

Pro Series

Concorde Pro. Integrated elliptical cartridge. FR 20-20,000 Hz; output 5 mV at 1 kHz at 5 cm/sec; sep/balance at 1 kHz 20/2 dB; dynamic compliance horizontal/vertical 8/8 μ m/mN; FIM distortion 1.8%; load resistance 47k ohms; 16 g \$95

VMS Series Phono Cartridges

VMS 30 MkII. Variable Magnetic Shunt cartridge with axially oriented fine-line diamond stylus. Output 5 mV at 1 kHz, 5 cm/sec; equivalent stylus tip mass 0.45 mg; sep 27 dB at 1 kHz; tracking force 1.0-1.6 g; vertical tracking angle 20°; 5 g \$185
VMS 20 E MkII. Similar to VMS 30 MkII except has elliptical diamond stylus. Equivalent tip mass 0.5 mg; sep 25 dB; tracking force 0.8-1.2 g \$155
VMS 10 E MkII. Similar to VMS 20 E MkII except equivalent tip mass 0.65 mg; tracking force 1.7-2.3 g \$130
VMS 5 E MkII. Similar to VMS 10 E MkII except equivalent tip mass 0.8 mg; output 6 mV; tracking force 1.5-3.0 g \$80
VMS3E. Cartridge with Variable Magnetic Shunt system. FR 20-20,000 Hz; output 6 mV at 1 kHz, 5 cm/sec; sep 20 dB at 1 kHz; tracking force 20 mN (2.0 g); FIM distortion 1%; load resistance 47k ohms; 5 g \$60

Ortophase Moving-Coil Phono Cartridges

Prestige Series

MC 2000. MC cartridge with low mass (0.27 mg) moving system; wide-range damping and hard aluminum conical cantilever. Features symmetrical contact line diamond; aluminum armature for a mass reduction of 66% in relation to traditional armature designs to prevent magnetic noise; samarium cobalt magnet; pure silver coils. Output voltage at 1,000 Hz, 5 cm/sec 0.050mV; ch sep at 1,000 Hz > 25 dB; FR 5-90,000 Hz; tracking ability at 315 Hz at recommended tracking force > 100 μ m; weight of unit 11 g \$1,000
SPU-Gold. MC cartridge with gold plate contacts including coils and cantilever. Output 0.2 mV at 1,000 cm/sec; FR 20-20,000 Hz ± 1.5 dB; sep 25 dB at 1,000 Hz; tracking force range 3-5 g; cartridge weight 3.2 g \$850
MC-200u. MC cartridge with boron cantilever. Output 0.09 mV at 1,000 cm/sec; FR 20-25,000 Hz +3, -1 dB; sep > 25 dB at 1,000 Hz; tracking force range 1.2-1.8 g; cartridge weight 5.3 g \$375
MC-100u. Low mass mc cartridge with wide range damping system. Features nude elliptical diamond. Output 0.09 mV at 1,000 cm/sec; FR 20-20,000 Hz +3, -1 dB; sep 25 dB at 1,000 Hz; tracking force range 1.2-1.8 g; cartridge weight 5.3 g \$250

TMC200 Plug-In Phono Cartridge

MC cartridge with wide-range damping, pure boron cantilever. Output 0.9 mV at 1 kHz, 5 cm/sec; FR 20-35,000 Hz ± 2 dB; balance < 1.5 dB; sep 18 dB at 15 kHz; dynamic compliance 13/13 μ vertical, lateral; load imp > 10 ohm; tracking force 1.25 g; equivalent stylus tip mass 0.5 mg; 6 g \$350

VMS P-Mount Series

TM20H. Variable Magnetic Shunt cartridge with fine-line diamond stylus. Output 3.5 mV at 1 kHz, 5 cm/sec; FR 20-20,000 Hz; balance/sep 1.5/25 dB; compliance 40 μ m/mN static vertical, 3 μ m/mN dynamic lateral; load 47k ohms/200 pF; tracking force 1.25 g; equivalent stylus tip mass 0.45 mg; 6 g \$115
TM14. Stereo cartridge with elliptical diamond stylus. FR 20-20,000 Hz; output 4.5 mV; sep/balance 25/1.5 dB at 1 kHz; equivalent stylus tip mass 0.5 mg; recommended load 47k ohms/200 pF; tracking force 1.25 g \$75
TM7. Cartridge with elliptical diamond stylus. FR 20-20,000 Hz; output 5 mV at 1 kHz, 5 cm/sec; sep/balance 22/2 dB at 1 kHz; tracking force 1.25 g; equivalent tip mass 0.5 mg; recommended load 47k ohms/200 pF \$60

Tonearm/Cartridge Combination

Ortofon/SME 30 H Cartridge/Arm

Coupling of Ortofon's Concorde 30 low-mass

cartridge/headshell with SME's Series III, IIS low-mass tonearms; uses solid nude fine-line diamond stylus and specially-hardened aluminum alloy cantilever in S-shaped arm. Output 3 mV at 5 cm/sec, 1 kHz; FR 20-20,000 Hz; balance/sep 1.5/25 dB at 1 kHz; dynamic compliance 35 $\mu\text{m}/\text{mN}$; tracking force range 0.8-1.2 g; tonearm resonant frequency 13 Hz; 10.5 g \$149

PARASOUND

PMC-88 MC Phono Cartridge

High output MC P-mount phono cartridge with 0.4 \times 1.7 mil elliptical stylus and hinged stylus guard. Output 3.8 mV at 3.54 cm/sec; FR 18-26,000 Hz \pm 0.6 dB; sep 30 dB at 1,000 Hz; cartridge weight 5.9 g; rise time < 6 μsec \$150

PCe77 P-Mount Phono Cartridge

P-Mount induced-magnet cartridge with aligned elliptical stylus. Output 4 mV at 3.54 cm/sec; FR 20-26,000 Hz \pm 0.8 dB; sep 30 dB at 1,000 Hz; tracking force 1 $\frac{1}{2}$ g; cartridge weight 6.1 g \$70

PCs55 Phono Cartridge

Standard $\frac{1}{2}$ "-mount induced-magnet cartridge with low mass, medium compliance, and hinged stylus guard. Thin-walled aluminum cantilever, 0.6-mil uniaxial stylus. Output 5 mV at 3.54 cm/sec; FR 20-20,000 Hz \pm 1 dB; sep 28 dB at 1,000 Hz; tracking force range 1.5-2 g; cartridge weight 3.7 g \$50

PICKERING

XLZ/7500S Phono Cartridge

Cartridge with nude Stereohedron[®] diamond stylus tip. Sens 0.06 mV/cm/sec \pm 2 dB; FR 10-50,000 Hz; sep 35 dB; tracking force 0.5-1.5 g; includes Dustamatic brush; replacement stylus D7500 \$250
XSV/4000. Similar to XSV/5000 except FR 10-36,000 Hz; tracking force 1 g; replacement stylus D5000 \$200

XSV/5000 Phono Cartridge

Cartridge with nude Stereohedron[®] diamond stylus tip. Output 3.8 mV; FR 10-50,000 Hz; tracking force $\frac{1}{2}$ to 1 $\frac{1}{2}$ g; sep 35 dB; includes Dustamatic brush. Replacement stylus D5000 \$220

XV-15/757S Stereohedron[®] Cartridge

Output 4.4 mV; tracking force $\frac{3}{4}$ -1 $\frac{1}{2}$ g; FR 10-25,000 Hz; replacement stylus D757S \$125

XSV/3000 Phono Cartridge

Output 5 mV at 5.5 cm/sec; FR 10-30,000 Hz; Stereohedron[®] stylus tip; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; sep 35 dB; features Dustamatic brush; replacement stylus D3000 \$180

XV-15/1200 Phono Cartridge

Output 4.4 mV at 5.5 cm/sec; FR 10-30,000 Hz; 0.2 \times 0.7-mil elliptical stylus; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; sep 35 dB; features Dustamatic brush; replacement stylus D1200 \$150

XV-15/750E Phono Cartridge

Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.3 \times 0.7-mil elliptical stylus; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; ch sep 35 dB; features Dustamatic brush; replacement stylus D750 \$80

XV-15/625E Phono Cartridge

Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.3 \times 0.7-mil elliptical stylus; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; sep 35 dB; features Dustamatic brush; replacement stylus \$100

XV-15/625DJ Phono Cartridge

Designed for disco use. Output 0.8 mV/cm/sec; sep 30 dB; tracking force 1-4 g; 0.3 \times 0.7-mil elliptical stylus \$75

XV-15/400E Phono Cartridge

Output 5.5 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.4 \times 0.7-mil elliptical stylus; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; sep 35 dB; features Dustamatic brush; replacement

stylus D400 \$85

P-Mount Cartridges

TLZ/7500S. High-performance low-imp cartridge with 4-coil, high-energy samarium cobalt magnet \$250

XSP/4004. Stereohedron[®] stylus. Output 3.8 mV; tracking $\frac{3}{4}$ -1 $\frac{1}{2}$ g; FR 10-36,000 Hz \$200

XSP/3003. Stereohedron[®] series P-Mount cartridge with output 3.3 mV. FR 10-30,000 Hz; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g, \pm $\frac{1}{4}$ g \$180

TL-4S. 4-coil induced magnet. Stereohedron stylus, output 4.4 mV, tracking force $\frac{3}{4}$ -1 $\frac{1}{2}$ g, FR 10-25,000 Hz \$150

TL-3S. Stereohedron[®] stylus. Output 4.4 mV; tracking $\frac{3}{4}$ -1 $\frac{1}{2}$ g; FR 10-25,000 Hz \$125

TL-2S. Stereohedron[®] stylus. Output 4.4 mV; tracking $\frac{3}{4}$ -1 $\frac{1}{2}$ g; FR 10-22,000 Hz \$100

TL-2E. Elliptical stylus. Output 4.4mV; tracking $\frac{3}{4}$ -1 $\frac{1}{2}$ g; FR 10-22,000 Hz \$85

TL-1. Std P-Mount, 2-coil movin magnet. Tracking $\frac{3}{4}$ -1 $\frac{1}{2}$ g. Elliptical stylus, FR 10-20,000 Hz, output 4.4 mV \$75

TL625DJ. P-Mount cartridge. FR 20-20,000 Hz, output 0.8 mV, tracking force 3 $\frac{1}{2}$ -4 g. Replacement stylus DJL \$75

TLE Type 2. Elliptical stylus. Output 3.0 mV; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; FR 10-22,000 Hz \$55

TLE. Elliptical stylus. Output 4.4 mV; tracking force $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; FR 10-20,000 Hz \$50

TLC. Spherical stylus. Output 4.4 mV; tracking $\frac{3}{4}$ to 1 $\frac{1}{2}$ g; FR 10-20,000 Hz \$45

V-15/ Series II-S. Stereohedron stylus, FR 10-25,000 Hz, output 3.5 mV. Replacement stylus DSR-S \$80

V-15/ Series II-EE. Elliptical stylus, FR 10-20,000 Hz, output 3.5 mV. Replacement stylus DSR-EE \$50

V-15/ Series II-E. Elliptical stylus, FR 10-18,000 Hz, output 3.5 mV. Replacement stylus DSR-E \$45.

PIONEER ELECTRONICS

Moving-Coil Cartridges

PC-6MC. High-output MC with stylus 0.3 \times 0.7 mil elliptical, output voltage 2 mV; FR 10-32,000 Hz; tracking force 1.7-2.3 g, user-replaceable stylus (PN-6MC) \$75

PC-5MC. Similar to PC-6MC except has 0.5 mil conical user-replaceable stylus (PN-5MC) \$50

PC-4MC. Similar to PC-5MC except FR 10-35,000 Hz, output voltage 1.5 mV; stylus 0.3 \times 0.7 mil elliptical (user replaceable-PN-4MC) \$75

PC-3MC. High-output MC with 0.5 mil conical stylus, output voltage 2.5 mV; FR 10-32,000 Hz; tracking force 1.7-2.3g, user-replaceable stylus (PN-3MC) \$50

P-Mount Cartridges

PC-300T. T4P P-mount cartridge. Output 2.5 mV; FR 10-33,000 Hz; max tracking force 1.25 g \$80

PC-290T. similar to PC-300T \$70

PC-250T. P-Mount MM cartridge. Output 2.5 mV; FR 10-30,000 Hz; tracking force range 1.0-1.5 g \$50

PREMIER by SUMIKO

Premier LMX Boron Cartridge

Low-mass MC cartridge with hollow boron cantilever, hand-wound coils; samarium cobalt magnets. Features FGV cutter analogue stylus configuration with long, constant-radius contact line for increased detail, better tracking and reduced groove noise; output 0.3 mV \$250

Premier LMS Improved. Similar to LME except has 0.6 spherical stylus \$125

Tonearms

Premier MMT Tonearm

Highly rigid medium-mass tonearm with double gimbal bearings; bearing design is same as Sumiko's the ARM for extremely free movement with no bearing play or chatter. Features decoupled counterweight; optional damping; removable headshell with azimuth adjustability and LC-oxygen free copper cartridge leads \$250

Premium FT-3 Straight Tonearm

Statically balanced tonearm with anti-resonance foam stuffed tube. Features decoupled counterweight; cone and ball race bearings; LC-OFC litz wiring; VTA adjustable during play; termination box with LC-OFC flexible link and gold plated RCA jacks. Magnesium, fixed, azimuth adjustable headshell. Tracking force range 0-3 grams calibrated to 0.1 grams. Effective mass 10 grams. Offset angle 23°. Stylus overhang 17.3 millimeters. Overall length 305 millimeters. Effective length 239 millimeters. Tracking error .123°/cm; 20 oz \$475

PRO-ACOUSTICS

Profile II Straight Tonearm

Statically balanced tonearm with 4-point cona and ball race bearing assembly. Features single gimbal; high rigidity arm tub; 3-point locking base; azimuth adjustable headshell; decoupled counterweight. Headshell material and connection aluminium alloy/ twin pin bayonet mount; tracking-force range 0-3 g calibrated to 0.1 g; effective mass 12 g; offset angle 23.75°; stylus overhang 18 mm; overall length 285 mm; effective length 228 mm \$169

Profile IIS. Same as above except S-shaped and effective mass 14 g \$169

SAEC by ANALOG EXCELLENCE

C-1 MC Phono Cartridge

Medium output cartridge with beryllium cantilever and line contact stylus. Features non-resonant metal alloy body. Output 0.4 mV at 5 cm/sec; FR 10-50,000 Hz \pm 2 dB; sep 30 dB at 1,000 Hz; tracking-force range 1.4-1.6 g; cartridge weight 9 g; internal imp 40 ohms; compliance 10 \times 10⁻⁶ cm/dyne \$295

C-102 MC Phono Cartridge

Medium output phono cartridge with aluminum cantilever and nude diamond stylus. Output 0.6 mV at 5 cm/sec; FR 20-30,000 Hz \pm 2 dB; sep 25 dB at 1,000 Hz; tracking-force range 1.6-1.8 g; cartridge weight 7 g; internal imp 40 ohms; compliance 10 \times 10⁻⁶ cm/dyne \$195

Tonearms

WE-8000S/T Straight Tonearm

Statically balanced tonearm with offset angle built into ceramic headshell. Features titanium/aluminum alloy pipe with 10° taper; lateral balance control; double-knife edge bearings; decoupled counterweight. For medium to high compliance cartridges. Headshell type

and material fine ceramic, beryllium connector; tracking force range 0-3 g calibrated to 0.1 g; offset angle 18°; stylus overhang 13 mm; overall length 400 mm; effective length 293 mm; tracking error < 1°/\$1,000

WE-506/30 J-Shaped Tonearm

Statically balanced tonearm. Features decoupled counterweight; special alloy pipe; universal design. Headshell type and material fine ceramic; tracking force range 0-4.0 grams calibrated to 0.1 grams; offset angle 16°; stylus overhang 9 mm; overall length 392 mm; effective length 286 mm; tracking error < 1.5° \$850

WE-407/23 J-Shaped Tonearm

Statically balanced tonearm with precision forged steel patented double-knife edge bearing. Each arm individually balanced in all 3 planes (horizontal; vertical; front/back). Headshell type and material sintered and multi-crystaled aluminum oxide, ceramic; tracking force range 0-4 g calibrated to 0.1 g; offset angle 18°; stylus overhang 12 mm; overall length 311 mm; effective length 221 mm \$495

WE-317 J-Shaped Tonearm

Statically balanced tonearm with double-edge bearings. Headshell type and material aluminum/titanium; tracking force range 0-3 g calibrated to 0.1 g; offset angle 20°; stylus overhang 13 mm; overall length 331.5 mm; effective length 235 mm; tracking error < 1.5° \$375

WE-308N J-Shaped Tonearm

Statically balanced tonearm with double-knife edge bearing and stainless steel pipe. Headshell type and material universal connection, aluminum/titanium alloy headshell; tracking force range 0-30 g calibrated to 0.1 g; offset angle 12.5°; stylus overhang 5 mm; overall length 329 mm; effective length 235 mm; tracking error < 1.5°..... \$250

Accessories**ULS-3X Headshell**

Anti-resonant ceramic headshell with universal connection. Constructed of sintered and multi-crystallized aluminum oxide with ultra-high purity > 99.7%. 18 g \$85
ULS-2x. Composite type headshell. 9.5g \$28

SOUTHER ENGINEERING**Veritas Cartridge**

MC cartridge with coils on each side of pivot and hollow boron cantilever. Features line contact diamond. Output 0.5 mV at 5 cm/sec; FR 20-60,000 Hz \pm 0.5 dB; sep 30 dB at 1,000 Hz; tracking force range 1.75-2.25 g; cartridge weight 4.4 g \$700

Tonearms**Tri Beam 12 Straight Tonearm**

Statically balanced tonearm with gold plated Flagship. Features tri-quartz track sand filled chasses; one knob VTA adjust while playing; life-time warranty. Velox and titanium headshell; tracking force range 0.5-2.5 grams; effective mass adjustable med to high; offset angle 0°; overall length 254 millimeters; effective length 50 millimeters \$3,000
Tribeam 16. For 16" disks \$3,500

SLA 3 Tri Quartz Straight Tonearm

Statically balanced tonearm with pure quartz track and equimass patented system. Velox and titanium headshell; tracking force range 0.5-2.5 grams; effective mass adjustable from medium to high; offset angle 0°; overall length 254 millimeters; effective length 50 millimeters; tracking error 0°; 13.4 oz \$850

Southern Junior Straight Tonearm

Statically balanced tonearm with special cover and linear and track gauge. Velox and titanium headshell; tracking force range 0.5-2.5 grams; effective mass 50 grams; offset angle 0°; overall length 254 millimeters; effective length 50 millimeters; tracking error 0°; 13 oz \$550

SHURE**Ultra Phono Cartridge Series**

500. All features of V15 type V MR (see below) plus more. Total effective mass 0.165 mg; dynamic vertical stylus compliance at 10 Hz 20 μ cm/dyne; output at 1,000 Hz, 5 cm/sec peak velocity, 3.2 mV \$400
400. Total effective mass 0.190 mg; dynamic vertical stylus compliance at 10 Hz 14 μ cm/dyne; output at 1,000 Hz, 5 cm/sec peak velocity, 4.0 mV .. \$250
300. Total effective mass 0.165 mg; dynamic vertical stylus compliance at 10 Hz 11 μ cm/dyne; output at 1,000 Hz, 5 cm/sec peak velocity, 3.2 mV .. \$160

V15 Type V-MR Phono Cartridge

MM cartridge with improved low-distortion Micro-Ridge stylus tip and Microwall beryllium stylus shank for increased trackability. Features viscous-damped Dynamic Stabilizer and Side-Guard stylus protection system; includes Duo-Point Alignment Gauge and computer performance printout. Output 3.2 mV at 1,000 Hz (5 cm/sec peak velocity); FR 10-28,000 Hz; tracking force 1.0 g; replacement stylus VN5MR \$275

V15 Type V-B Phono Cartridge

MM cartridge with exclusive Hyperelliptical tip, Microwall beryllium stylus shank, Dynamic Stabilizer and Side-Guard stylus protection system. Includes individual computer performance printout. Output 3.2

mV at 1 kHz (5 cm/sec peak velocity); FR 10-28,000 Hz; sep 25 dB or greater at 1,000 Hz; tracking force 1.0 g; replacement stylus VN5HE; VN5MR upgrade \$220

V15 Type V-P Phono Cartridge

Specifically designed for ultimate performance in P-Mount tonearms. Features Hyperelliptical tip; Microwall beryllium stylus shank; computer performance printout. Sam specs as V15 type V-B. Replacement stylus VN5P \$205

ML140HE Phono Cartridge

Slim-line high-efficiency cartridge body provides an

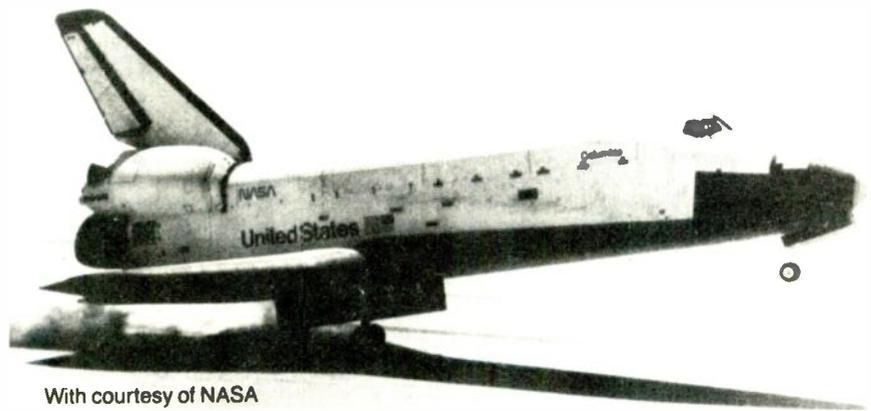
extremely flat frequency response from 20-22,000 Hz. Superb trackability with Microwall beryllium shank and accurate tracing with Hyperelliptical tip. Slim Dynamic Stabilizer combats record warp problems while destaticizing and cleaning the record, and Side-Guard helps protect stylus from accidental damage. Includes overhang gauge. Output 4.0 mV at 1,000 Hz (5 cm/sec peak velocity); sep 25 dB or greater at 1 kHz; tracking force 1.0 g. Replacement stylus N140HE \$190

ML120HE Phono Cartridge

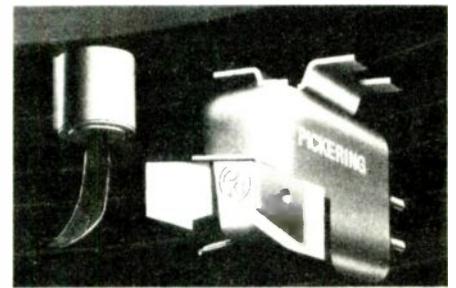
Slim-line high-efficiency cartridge body provides flat FR from 20-22,000 Hz. Low-mass, high-stiffness

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telescoped stylus shank, Hyperelliptical tip, slim Dynamic Stabilizer and Side-Guard stylus protection system. Output 4.0 mV at 1 kHz (5 cm/sec peak velocity); sep 25 dB or greater at 1 kHz; tracking force 1.0 g. Replacement stylus N120HE \$155

M111HE Phono Cartridge

Features telescoped stylus shank, Hyperelliptical tip, Dynamic Stabilizer, Side-Guard stylus protection system; rigid, low-mass converter allows mounting to either conventional 1/2"-mount tonearms or most P-Mount tonearms; output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N111HE \$135

M110HE Phono Cartridge

Features telescoped stylus shank, Hyperelliptical tip, and Side-Guard stylus protection system; rigid, low-mass converter allows mounting to either conventional 1/2"-mount tonearms or all P-Mount tonearms; same specs as M111HE. Replacement stylus N110HE \$110

M105E Phono Cartridge

Features 0.2 x 0.7 mil elliptical tip and thin-walled, reinforced aluminum shank. Features Destaticizer Brush to clean dust from record grooves and remove static electricity from record surface, Side-Guard stylus protection system helps prevent accidental stylus damage. Fits most P-Mount tonearms and includes rigid 1/2"-mount converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N105E \$100

SC39ED Phono Cartridge

Professional MM cartridge. Output 4 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 0.75-1.5 g; 0.2 x 0.7-mil biradial (elliptical) stylus; features MASAR tip; Side-Guard stylus deflector; replacement stylus SS39EJ \$80
SC39EJ. Same as SC39ED except tracking force 1.5-3 g; ch sep 20 dB at 1 kHz; 0.4 x 0.7-mil stylus; replacement stylus SS39EJ \$70

M104E Phono Cartridge

Cartridge with accurate-tracing 0.2 x 0.7 mil elliptical stylus tip and tubular heat-treated aluminum stylus shank. P-Mount compatible and includes rigid 1/2"-mount converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N104E \$70

M55E Phono Cartridge

MM cartridge. Output 6.2 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; tracking force 0.75-2 g; sep 20 dB (1 kHz); 0.2 x 0.7-mil biradial (elliptical) stylus, replacement stylus N55E \$65

M44E Phono Cartridge

MM cartridge. Output 9.5 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; tracking force 1.75-4 g; sep 20 dB (1 kHz); 0.4 x 0.7-mil biradial (elliptical) stylus; replacement stylus N44E \$57

M99E Phono Cartridge

Heat-treated tubular aluminum stylus shank and 0.2 x 0.7 mil elliptical stylus tip. P-Mount compatible and fits conventional 1/2"-mount tonearms with rigid converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 20 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N99E \$50

SC35C Phono Cartridge

Professional MM cartridge. Output 5 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; sep 20 dB at 1 kHz; tracking force 4-5 g; 0.6-mil spherical stylus; band alignment point; replacement stylus SS35C \$45

M92E Phono Cartridge

Heat-treated tubular aluminum stylus shank and 0.4 x 0.7 mil elliptical stylus tip. P-Mount compatible and fits conventional 1/2"-mount tonearms with rigid

converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-18,000 Hz; sep 20 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N92E \$30

SIGNET

MK440ML MC Phono Cartridge

Dual moving MicroCoil design features a microline stylus on a gold-plated beryllium cantilever. Output 0.1 mV at 5 cm/sec; FR 5-50,000 Hz; sep 33 dB at 1,000 Hz, 25 dB at 10,000 Hz; tracking-force range 1-1.6 g; cartridge weight 7 g \$600

MK220E MC Phono Cartridge

Dual moving micro-coil design with non-user replaceable stylus. Features 0.2 x 0.7 mil nude square-shank miniature elliptical diamond. Output 0.4 mV at 5 cm/sec; FR 5-50,000 Hz; sep 30 dB at 1,000 Hz, 20 dB at 10,000 Hz; cartridge weight 4.8 g . \$400

TK10ML Phono Cartridge

Microline™ nude diamond stylus mounted on a boron cantilever \$375-400

MR50ML MM Phono Cartridge

Unicore coil generating system with LC-OFC wire and microline stylus on gold-plated beryllium cantilever. Output 5 mV at 5 cm/sec; FR 5-37,000 Hz; sep 33 dB at 1,000 Hz, 25 dB at 10,000 Hz; tracking-force range 0.8-1.8 g; cartridge weight 6 g \$350

MR50LC MM Phono Cartridge

Unicore coil generating system with LC-OFC wire and square-shank nude stylus on beryllium cantilever. Output 5 mV; FR 5-35,000 Hz; sep 33 dB at 1,000 Hz, 23 dB at 10,000 Hz; tracking-force range 0.8-1.6 g; cartridge weight 6 g \$275

TK8LCp MM Phono Cartridge

Universal P-mount design with straight line contact stylus on a beryllium cantilever. Output 5 mV at 5 cm/sec; FR 5-35,000 Hz; sep 33 dB at 1,000 Hz, 23 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g \$225-250

TK7LCa Phono Cartridge

FR 5-35,000 Hz; output 5.0 mV at 5 cm/sec; balance/sep 0.5/33 dB at 1000 Hz; tracking force 3/4-1 3/4 g; nude square-shank miniature Straight Line Contact micromass beryllium tube cantilever \$225-250

MR50me MM Phono Cartridge

Unicore coil generating system with LC-OFC wire and 0.2 x 0.7 mil square-shank nude stylus. Output 5 mV at 5 cm/sec; FR 5-30,000 Hz; sep 30 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 0.8-1.6 g; cartridge weight 6 g \$225

TK7Ea Phono Cartridge

FR 5-30,000 Hz; output 5.0 mV at 5 cm/sec; balance/sep 0.5 dB/33 dB at 1000 Hz; tracking force 3/4-1 3/4 g; 0.2 x 0.7-mil nude square-shank miniature elliptical stylus; micro-mass beryllium cantilever \$200-225

MK120He Mc Phono Cartridge

High output design features user-replaceable stylus with 0.2 x 0.7 mil nude square-shank diamond. Output 2 mV at 5 cm/sec; FR 15-30,000 Hz; sep 29 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 1.2-1.8 g; cartridge weight 5 g \$200

MK66e MC Phono Cartridge

Low mass cartridge with dual moving micro-coil design. Features user-replaceable stylus with 0.2 x 0.7 mil square-shank nude diamond. Output 0.5 mV at 5 cm/sec; FR 15-30,000 Hz; sep 29 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking force range 1.2-1.8 g; cartridge weight 4.2 g \$200

MK110E MC Phono Cartridge

Features user-replaceable stylus with 0.2 x 0.7 mil square-shank nude diamond. Output 0.4 mV at 5 cm/sec; FR 15-30,000 Hz; sep 30 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 1.2-1.8 g;

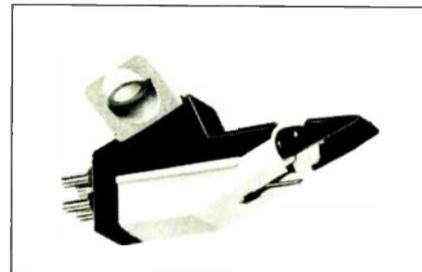
cartridge weight 4.8 g \$195

MR50e MM Phono Cartridge

Unicore coil generating system with LC-OFC wire and 0.3 x 0.7 mil nude stylus. Output 5 mV at 5 cm/sec; FR 10-30,000 Hz; sep 29 dB at 1,000 Hz, 19 dB at 10,000 Hz; tracking-force range 0.9-1.9 g; cartridge weight 6 g \$195

MK55e MC Phono Cartridge

Features low mass; dual moving micro-coil design; user-replaceable stylus with 0.3 x 0.7 mil nude mounted diamond. Output 0.5 mV at 5 cm/sec; FR



20-28,000 Hz; sep 28 dB at 1,000 Hz, 18 dB at 10,000 Hz; tracking-force range 1.2-1.8 g; cartridge weight 4.2 g \$150

TKGep MM Phono Cartridge

Universal P-mount design with 0.2 x 0.7 mil square-shank nude diamond. Output 5 mV at 5 cm/sec; FR 10-30,000 Hz; sep 29 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g \$130-150

TK5Ea. Phono Cartridge

FR 10-30,000 Hz; output 5.0 mv at 5 cm/sec; balance/sep 0.75/29 dB at 1 kHz; tracking force 3/4-1 3/4g; 0.2 x 0.7-mil nude square-shank elliptical stylus; tapered cantilever; unicore coils \$130-150

MR50 Basic MM Phono Cartridge

Unicore coil generating system with LC-OFC wire and 0.4 x 0.7 mil bonded elliptical stylus. Output 5 mV at 5 cm/sec; FR 15-25,000 Hz; sep 27 dB at 1,000 Hz, 17 dB at 10,000 Hz; tracking-force range 1.3-2.3 g; cartridge weight 6 g \$125

TK4Ep MM Phono Cartridge

Universal P-mount design with 0.3 x 0.7 mil nude stylus. Output 5 mV at 5 cm/sec; FR 15-20,000 Hz; sep 28 dB at 1,000 Hz, 19 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g \$85-100

TK3Ea Phono Cartridge

FR 15-28,000 Hz; output 5.0 mV at 5 cm/sec; balance/sep 1.0 dB/28 dB at 1 kHz; tracking force 1-1 3/4 g; 0.3 x 0.7-mil elliptical nude diamond stylus; thin-walled tube cantilever \$85-100

TK2Ep MM Phono Cartridge

Universal P-mount design with 0.4 x 0.7 mil elliptical stylus. Output 5 mV at 5 cm/sec; FR 15-25,000 Hz; sep 26 dB at 1,000 Hz, 17 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g \$60-75

TK1Ea Phono Cartridge

FR 15-25,000 Hz output 4.8 mV at 5 cm/sec; balance/sep 1.5/26 dB at 1 kHz; tracking force 1 1/2-2 1/2 g; 0.4 x 0.7-mil elliptical diamond stylus; thin-walled tubed cantilever \$60-75

Tonearms

XK-50 Tonearm

Integral tonearm to eliminate headshell connecting ring resonance and weight; has Signetrace damped planar tracking; designed to accommodate cartridges weighing 4-11 g; provides antiskating adjust for elliptical conical line type styli; tracking force adjust 1/10 g; increments 0-1.6 g; overhang adjust 5 mm; tracking error ±1.5° maximum; total arm, cable capacitance 80 pF; weight 9.5g \$400-425
XKSP1. Extra integral tonearm tube to XK-50 \$70-80

XKSP-2. S-arm replacement tube for XK-50. Features universal headshell connection (headshell not supplied). Recommended for medium-to-high-mass and/or-compliance cartridges \$60-70
W-3. Extra-heavy counterweight recommended for use with XKSP-2 \$50-60

XK-35 Tonearm

Tonearm with Signetrace, damped planar tracking, nonremovable tube. Specs similar to XK-50 above \$275-300

Tonearm Accessories

XKS451. Maximum transfer interconnect cables for XK-35 and XK-50. Also compatible with all tonearms employing universal Japanese tonearm connector \$35-50
ATB-2. Tonearm adapter mates Signet tonearms to SME armboards \$40
ARO-1. Replacement damping trough with silicone damping fluid in syringe. For both XK-35 and XK-50 \$15

SONUS by SONIC RESEARCH

CD-11 D-5 Dimension 5 Phono Cartridge

Magnetic cartridge with Lambda diamond stylus, integrated tapered aluminum cantilever; micro-machined armature; designed to reproduce direct-to-disc and PCM-mastered recordings. Output 0.8 mV/cm/sec; FR 10-20,000 Hz ± 1 dB, 20-40,000 Hz $+2/-5$ dB; compliance 50 cm/dyne $\times 10^{-9}$; balance/sep $\pm 1/30$ dB at 1 kHz; tracking force range 1-1.5 g 5.5 g \$250
RCD-11. Replacement stylus \$125
CC-11 Calibrated D-5. Similar to Dimension 5 except hand calibrated \$350
 Replacement stylus \$175

SB-11 Super Blue Phono Cartridge

Moving-iron cartridge with Lambda stylus and super-lightweight moving system. Sep 20 dB, 20-20,000 Hz; output 4 mV at 5 cm/sec; tracking force 1-1.5 g; 5.5 g \$195
RSB-11. Replacement stylus \$98

CG-12 Gold Blue Phono Cartridge

High-compliance cartridge with low moving mass, sophisticated modified line-contact stylus. Output 4 mV at 5 cm/sec; compliance 50 cm/dyne $\times 10^{-9}$; vertical tracking angle 20°; sep 30 dB at 1 kHz; tracking force 1-1.5 g; 5.5 g \$165
RCG-12. Replacement stylus \$87

Silver Phono Cartridges

Similar to Gold series. Output 1.0 mV/cm/sec at 1 kHz; compliance 40 cm/dyne $\times 10^{-9}$; balance ± 2 dB; ch sep 30 dB at 1 kHz; load imp 47k ohms; tracking force range 1-1.5 g; 5.5 g.
CS-22 Silver P. Modified line-contact stylus (RCS-22 replacement stylus) \$100
CS-23 Silver E. Biradial (elliptical) stylus FR 10-20,000 Hz ± 1.5 dB \$95
RCS-23. Replacement stylus \$45

CB-23 Black A Phono Cartridge

Similar to Gold cartridges. Output 1.0 mV/cm/sec, 5 mV at 5 cms/sec; FR 10-10,000 Hz ± 1 dB, 10-20,000 Hz $+2/-1$ dB; balance/sep $\pm 2/25$ dB at 1 kHz; compliance 30 $\times 10^{-9}$ cm/dyne; load imp 47k ohms; 5.5 g. Precision-ground and polished biradial elliptical stylus; tracking force range 1.5-2 g \$80
RCB-23. Replacement stylus \$40

SR-202 Stereo Cartridge

Moving-iron cartridge with low-mass elliptical stylus; designed for moderate S- and J-shaped tonearms. Compliance 25 $\times 10^{-9}$ cm/dyne; balance sep $\pm 2/25$ dB at 1 kHz; 5.5 g \$60
RSR-25. Replacement stylus \$25

SPM-5 Plug-In Cartridge

Nude line-contact stylus plus low-mass aluminum cantilever. FR 20-20,000 Hz -3 dB; sep 25 dB at 1,000 Hz. Available with adapter for fitting on standard tonearms \$160
SPM-4. Similar to SPM-5 but has bonded line-contact

stylus. Tracking force 1.25 gm ± 0.25 ; output 4.0 mV at 5 cm/second. (Replacement stylus RSPM-4) \$135

SPM-3 Cartridge

Low-mass elliptical stylus 0.2 \times 0.7 mil; FR 20-20,000 Hz thin wall tube cantilever; ch balance ± 1.5 dB (replacement stylus RPSM-3) \$115

SPM-2 Cartridge

Elliptical stylus 0.2 \times 0.7 mil, sep 20 dB at 1,000 Hz; 6.0 g \$90
SPM-1. Similar to SPM-2 but has 0.3 \times 0.7 mil elliptical stylus. (Replacement stylus RSPM-1) \$60

SONY

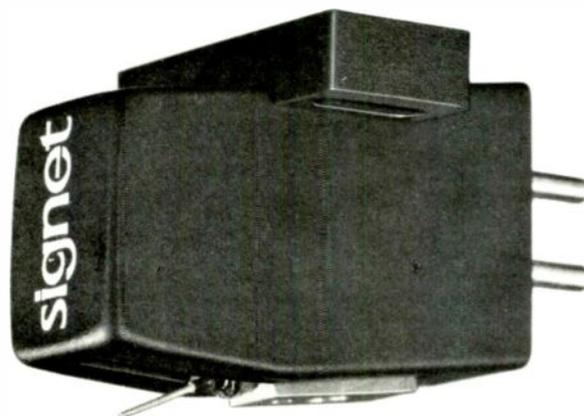
XL-MC3 Phono Cartridge

MC ultra-low-mass cartridge. Output 0.25 mV NAB; FR 10-50,000 Hz ± 1 dB; sep 30 dB; tracking force range 1.2-1.8 grams; cartridge weight 3.0 g \$300

L-MC3 Phono Cartridge

Low-mass, high-compliance MC cartridge. Features patented Figure 8 voltage-generating system; replaceable super-elliptical diamond stylus. FR 10-50,000 Hz; 3 g \$200
XL-MC2. Similar to XL-MC3 except has standard elliptical stylus. High-end response 45 kHz \$80

Better sound from every record you own, with the new Signet TK10ML!



It's something you can't get with any other technology.

Until you hear the Signet TK10ML, you may not fully appreciate how superb today's analog recordings can be. And how much may be lost by going all-digital.

The single most significant advance in the Signet TK10ML is its unique new *MicroLine*™ stylus ... with the longest, narrowest "footprint" ever achieved! Its scanning radius is a mere 2.5 microns, half that of the best ellipticals, while its vertical contact footprint is *three times longer* than the elliptical. The Signet *MicroLine* stylus tracks very high frequencies better—at lower groove pressure—than any other design.

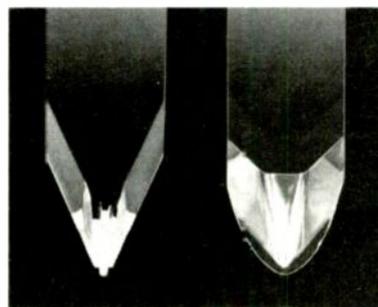
Even with repeated playings, the *MicroLine* stylus maintains its shape, without "spreading" like all other tips.

So grooves sound new, long after other styli are threatening irreparable damage to your record collection.

Each Signet TK10ML *MicroLine* stylus is created from a whole, natural octahedral diamond, oriented for longest life, and with a square shank to precisely fit the laser-cut hole in our unique, ultra-rigid low-mass boron cantilever. You get perfect alignment. Period.

But the proof of quality is in the playing. With the new Signet TK10ML, older records literally come back to life. New records transcend the limits of ordinary technology. Your entire system gets a new lease on life.

Visit your Signet dealer. Peek into his microscope to see this fantastic stylus. Then get the *real* proof. Listen.



signet

SIGNET, 4701 HUDSON DRIVE, STOW, OHIO 44224

CIRCLE NO. 1 ON READER SERVICE CARD

XL-MC1. Similar to XL-MC2 except high-end response 30 kHz\$60

XL-MC2 Phono Cartridge

MC ultra-low-mass cartridge. Output 0.25 mV NAB; FR 10-45,000 Hz ± 1.5 dB; sep 30 dB; tracking force 1.2-1.8 g; cartridge weight 3.0 g \$165

XL-MC104P Phono Cartridge

MC high-output P-mount cartridge. Output 2.0 mV NAB; FR 10-35,000 Hz ± 1 dB; sep 26 dB; tracking force 1.25 g; cartridge weight 6.0 g \$165

XL-MC10 Phono Cartridge

MC high-output cartridge. Output 2.0 mV NAB; FR 10-35,000 Hz ± 1 dB; sep 26 dB; tracking force 1.2-1.8 g; cartridge weight 3.0 g \$150

XL-MC1 Phono Cartridge

MC ultra-low-mass cartridge. Output 0.2 mV NAB; FR 10-30,000 Hz ± 1.5 dB; sep 26 dB; tracking force 1.2-1.8 g; cartridge weight 3.0 g \$115

VL-7 Phono Cartridge

Lightweight MM cartridge with elliptical diamond stylus, carbon fiber cantilever; extends FR to 25 kHz \$90

VL-5 Phono Cartridge

MM cartridge with low-mass aluminum cantilever, low-distortion moving system \$50

STANTON

Calibration Series

981 LZS Phono Cartridge

Low-imp cartridge, fully calibrated for exact precision, with nude Stereohedron[™] diamond stylus. Comes with mounted "longhair" brush. Output 0.06 mV/cm/sec ± 2 dB; FR 10-50,000 Hz ± 2 dB; sep 35 dB; weight 5.5 g \$250

981 HZS Phono Cartridge

High-imp stereo cartridge with nude Stereohedron[™] diamond stylus, fully calibrated. Comes with mounted "longhair" brush. Output 0.7 mV; FR 10-50,000 Hz ± 2 dB; sep 35 dB at 1 kHz; weight 5.5 g ... \$250

881S Phono Cartridge

Output 0.9 mV; FR 10-25,000 Hz (individually calibrated to 20,000 Hz); balance/sep (1 kHz) ± 1 dB/35 dB; load imp 47k ohms; load capacitance 275 pF, including tonearm leads, cables, preamp; tracking force 0.75-1.25 g; nude Stereohedron[™] stylus; 5.7 g with self-supporting (1 g) brush; white with silver handle, white brush; replacement stylus D81S, D810 for mono LPs, D827 for 78s \$180

681EEE MK II-S Phono Cartridge

Induced-magnet cartridge with Stereohedron II[™] stylus shape; dynamically improved cantilever assembly. Output 0.7 mV; FR 10-22,000 Hz; sep 35 dB at 1,000 Hz; tracking force range 1 g $\pm 1/4$; cartridge weight 6.3 g \$120

High-Performance P-Mounts

L-847S P-Mount Cartridge

Top-of-the-line P-mount cartridge. Features Stereohedron[™] stylus; tracking $3/4$ -1 1/2 gs; output 0.7 mV; FR 10-36,000 Hz; ch balance < 2 dB; sep 35 dB, 5.9 g; replacement stylus D84S \$180

L-837S P-Mount Cartridge

Features Stereohedron[™] stylus; tracks at $3/4$ -1 1/2 g; output 0.9 mV; FR 10-30,000 Hz; ch balance < 2 dB; sep 35 dB; 5.9 g; replacement stylus D83S .. \$140

Stereo Standard P-Mount Series

L747S Plug-In Cartridge

Features Stereohedron[™] stylus. FR 10-25,000 Hz; tracking force $3/4$ -1 1/2 gs; output 4.4 mV; sep 35 dB; 5.7 g. Replacement stylus D747S \$125

L737S Phono Cartridge

Plug-in cartridge features Stereohedron[™] stylus,

tracks at $3/4$ -1 1/2 g, output 4.4 mV, FR 10-22,000 Hz; ch balance 2 dB; ch sep 35 dB. Replacement stylus D73S; weight 5.7 g \$100

L737E Plug-In Cartridge

Elliptical stylus, 0.3 x 0.7 mil; output 4.4 mV; FR 10-22,000 Hz; tracking $3/4$ -1 1/2 gs; ch balance 2 dB; sep 35 dB; weight 5.7 g. Replacement stylus D73E. \$85

L-727E P-Mount Phono Cartridge

Plug-in cartridge with 0.4 x 0.7-mil elliptical stylus. FR 10-25,000 Hz; tracking force $3/4$ -1 1/2 g; sep 32 dB; replacement stylus D727E \$75

L725E P-Mount Cartridge

Cartridge with elliptical stylus; tracking force $3/4$ -1 1/2 g; output 3.0 MV; FR 10-22,000 Hz; ch balance < 2 dB; sep 28 dB; replacement stylus D71-2E; weight 5.7 g \$55

L720EE P-Mount Cartridge

Elliptical stylus 0.3 x 0.7 mil; output 3.2 mV; FR 10-20,000 Hz; tracking $3/4$ -1 1/2 gs; ch balance 2 dB; ch sep 28 dB; replacement stylus D71EE. Weight 5.7 g \$50

Professional Cartridges

Low-Impedance Series

885LZS Low-Impedance Cartridge

Low-imp stereo cartridge with long-contact line Stereohedron[™] stylus, mounted "longhair" brush. FR 20-40,000 Hz; sep 35 dB; 90-micron tracking at 1-g force; 5.5 g. Replacement stylus D88S \$150

785LZE Phono Cartridge

Low-imp cartridge with 0.2 x 0.7-mil elliptical stylus. FR 20-30,000 Hz; sep 30 dB; 80-micron tracking at 1-g force; 5.5 g; replacement stylus D78E ... \$100

Disco Series

680SL Disco Cartridge

Output 1.1 mV/cm/sec ± 2 dB; FR 20-20,000 Hz; balance/sep 2/30 dB; load resistance 47k ohms; load capacitance 275 pF; nude Stereohedron[™] stylus tip; tracking force 3-6 g with brush; 5.5 g ... \$109

L680EL Disco Cartridge

For P-Mount tonearms; automatically compensates for higher tracking forces. Comes with fluorescent-coated stylus. Output 1.1 mV; FR 20-18,000 Hz; sep 30 dB; tracking force $3 1/2$ -4 g; weight 8.4 g. Replacement stylus D6800EL \$106

680EL Disco Cartridge

Output 0.82 mV/cm/sec; FR 20-18,000 Hz; balance/sep $\pm 2/30$ dB (1 kHz); load imp 47k ohms; load capacitance 275 pF; tracking force 2-5 g; 0.4 x 0.7-mil elliptical diamond stylus; 5.5 g; replacement stylus D6800EL. Comes with extra stylus \$100

681SE Phono Cartridge (Calibrated)

Output 1 mV/cm/sec; FR 10-10,000 Hz ± 0.5 dB; 10,000 Hz to 20,000 Hz, individually calibrated; balance/sep ± 2 dB/35 dB (1 kHz); load imp 47k ohms; load capacitance 275 pF; tracking force 2-4 g; 0.4 x 0.7-mil elliptical stylus; weight 5.5 g with self-supporting (1 g) brush; replacement stylus D6800SE, D6810 for LPs, D6827 for 78s .. \$110

680 Disco Cartridge

Output 1.1 mV/cm/sec; FR 20-18,000 Hz ± 2 dB; bal/sep 2/30 dB; load resistance 47,000 ohms; load capacitance 275 pF; tracking force 2-5 g; 0.7 mil spherical stylus tip; comes with extra stylus. Weight 5.5 g; replacement stylus D6800AL \$90

L500AL Disco Cartridge

P-Mount MM cartridge automatically compensates for higher tracking forces required for disco use. Comes with fluorescent-coated stylus. Output 1.0 mV/cm/sec ± 2 dB; FR 20-17,000 Hz; sep 28 dB; tracking force $3 1/2$ -4 g; cartridge weight 8.5 g; replacement stylus D57PAL \$53

500EL. Similar to above except output FR 20-18,000

Hz; sep 30 dB; tracking force 2-5 g; cartridge weight 5 g; replacement stylus D5100EL \$45

500AL Disco Cartridge

Output 1.0 mV/cm/sec; FR 20-17,000 Hz ± 2 dB; bal/sep 2/28 dB; load resistance 47,000 ohms; load capacitance 275 pF; tracking force 3-7 g; 0.7 mil spherical stylus. Weight 5 g; replacement stylus D5107AL \$37.50

Stereo Standard Series (with "Longhair" Brush)

680EE (S) Phono Cartridge

Cartridge with Stereohedron[™] stylus. Output 0.82 mV/cm/sec; FR 10-20,000 Hz; tracking force 0.75-1.5 g; weight 6.3 g; replacement stylus D680S. \$95

680EE Phono Cartridge

Output 0.82 mV/cm/sec; FR 20-20,000 Hz; balance/sep ± 2 dB/35 dB (1 kHz); load imp 47k ohms; load capacitance 275 pF; tracking force 0.75-1.5 g; 0.3 x 0.7-mil elliptical diamond stylus D680 ... \$76

Broadcast Standard Series

600EE Phono Cartridge

Output 1 mV/cm/sec; FR 20-20,000 Hz ± 2.5 dB; balance/sep ± 2 dB/35 dB (1 kHz); load imp 47k ohms; load capacitance 275 pF; tracking force 1-2 g; 0.3 x 0.7-mil elliptical diamond stylus; weight 5 g; replacement stylus D6003EE, D6010 for LPs, D6027 for 78s \$66

600E. Similar to 600EE but FR 20-20,000 Hz ± 2 dB; 0.4 x 0.7-mil elliptical diamond stylus; tracking force 1.5-3 g; replacement stylus D6004E \$57

Broadcast Series-Mark II

500EE Mk II. Output 1 mV/cm/sec ± 2 dB; FR 10-20,000 Hz; balance/sep 2/35 dB; tracking force $3/4$ -1 1/2 g; 0.3 x 0.7-mil elliptical diamond stylus; replacement stylus D50EE Mk II \$50

500E Mk II. Output 1 mV/cm/sec ± 2 dB; FR 10-22,000 Hz; balance/sep 2/35 dB; tracking force 1-2 g; 0.4 x 0.7-mil elliptical diamond stylus; weight 5.5 g; replacement stylus D50E Mk II \$45

500A Mk. II. Output 1 mV/cm/sec ± 2 dB; FR 10-20,000 Hz; balance/sep 2/35 dB; tracking force 1-2 g; 0.7-mil spherical diamond stylus; weight 5.5 g; replacement stylus D50A Mk II \$37.50

SUMIKO

Series V Straight Tonearm

Dynamically balanced tonearm with ultra-rigid one-piece magnesium casting integrating headshell. Features arm shell and counterweight rails; captive ball-race bearings; VTA adjustable during play; internally tapered arm tube for reduced mass and better control of standing waves. Tracking force range 0-3 grams calibrated to 0.1; effective mass 11 grams. \$1,650

SUPEX BY SUMIKO

SDX-2000 Phono Cartridge

Low-mass MC cartridge with boron tube cantilever. Rise time characteristics maintained by increasing output through use of rare-earth high-energy magnets. Advanced line contact stylus; uni-axial pivot. Output 2 mV; FR 10-50,000 Hz; 5 g \$600

SD-901E+. Similar to SD-900E+ except output level 2 mV, allowing use without step-up device. FR 10-35,000 Hz \$135

SDX-2000 Boron High-Output Phono Cartridge

High-output MC cartridge which retains transient response characteristics of low-output MCs. Ultra-rigid, very low mass boron pipe cantilever; half-mass Vital diamond laser indexed to cantilever. Features 99.9% oxygen-free-copper coil windings. Each Supex SDX-2000 is hand-selected by David W. Fletcher. Output 1.75 mV at 3.54 cm/sec; FR 10-30,000 Hz ± 2 dB; sep 30 dB at 1,000 Hz; tracking force 1.5-2.1 g; cartridge weight 4.75 g \$500

SDX-2000 Boron. Similar above with output of 0.2 mV \$500

SD-901 Mark IV T.Q.A. Phono Cartridge

High-output MC cartridge with improvements over previous model (SD-901E) in high-frequency linearity, tracking ability, and dynamic contrasts. Output 1.7 mV at 3.54 cm/sec; FR 10-42,000 Hz ± 2 dB; sep 27 dB at 1,000 Hz; tracking force 1.8-2.2 g; cartridge weight 9.1 g \$275

SD-900 Mark QV T.Q.A. Phono Cartridge

Replaces the classic Supex SE-99E. Critical areas of image specificity, tracking ability, and dynamic contrast ability are improved over previous model. Also features nude mount elliptical Vital solid diamond stylus. Output 0.2 mV at 3.54 cm/sec; FR 10-50,000 Hz ± 2 dB; sep 27 dB at 1,000 Hz; tracking force range 1.8-2.2 g; cartridge weight 8.3 g \$275

TALISMAN by SUMIKO**Talisman S Moving-Coil Cartridge**

MC cartridge with Direct Field Focus™ design to reduce magnetic losses and fringing effects by eliminating magnetic yokes and all but 1 pole piece; energy from samarium cobalt ring magnet is "pulled" across the coils by front-mounted pole piece creating a direct relationship between motion at coils and voltage at outputs; solid zinc body for reduced resonance, tapered for maximum rigidity; cantilever is a low-mass sapphire tube that is laser-indexed to a grain-oriented, long-line-contact diamond \$300
Talisman B. Identical to Talisman S except for rigid low-mass boron-tube cantilever \$235
Talisman A. Identical to Talisman S except for aluminum/magnesium alloy cantilever with nude-mounted elliptical diamond stylus \$175

Alchemist III's Phono Cartridge

"Intensified Focus™" design allows high output without problems of slowed transients, poor tracking ability and audible straining at higher modulations. Intense magnetic focus at the coils concentrates generating mechanism's energy to prevent virtually all losses and fringing effects. Also features hollow sapphire cantilever with laser-indexing. Output 2.0 mV at 3.54 cm/sec; FR 10-60,000 Hz; sep 30 dB at 1,000 Hz; tracking force 1.5-2.5 g; cartridge weight 6.7 g \$425
Alchemist 1 A. Similar to Alchemist III's except aluminum/magnesium cantilever with nude-mount elliptical stylus. \$225

TECHNICS**EPC-P205 cmk4 Moving-Magnet Cartridge**

Ultra-low-mass-cantilever MM P-Mount cartridge. Output 2.5 mV at 5 cm/sec; FR 5-100,000 Hz; sep 25 dB at 1,000 Hz; Tracking force 1.25 g ± 0.25 g; cartridge weight 6 g; 0.2 x 0.7 mil elliptical nude diamond; effective moving mass 0.019 mg \$250
EPC-205 cmk4. Regular mounting. \$280

EPC-P310 MCMK2 Phono Cartridge

Ultra-low-mass cantilever MC cartridge. Output 122 mV at 5 cm/sec. FR 10-90,000 Hz; sep 25 dB at 1,000; tracking force 1.25 g ± 0.25 g; cartridge weight 6 g; 0.2 x 0.7 stylus nude diamond.. \$200

EPC-P550 Moving-Magnet Phono Cartridge

MM cartridge with ultra-low-mass cantilever. Output 2.5 mV at 5 cm/sec; FR 10-55,000 Hz; sep 25 dB at 1,000 Hz; tracking force range 2.5 g ± 0.25 g; cartridge weight 6 g \$100

EPC-P540 Moving-Magnet Phono Cartridge

Output 2.5 mV cm/sec; FR 10-50,000 Hz; sep 25 dB at 1,000 Hz; tracking force 1.25 ± 0.25 grams; cartridge weight 6 grams. \$70

EPC-P530 Moving-Magnet Phono Cartridge

Output 2.5 mV at 5 cm/sec; FR 10-45,000 Hz; sep 25 dB at 1,000 Hz; tracking force 1.25 ± 0.25 grams; cartridge weight 6 g \$50

EPA 250 S-Shaped Tonearm

Dynamically balanced tonearm with decoupled counterweight. Tracking force range 0-2 grams; effective mass 14 grams; stylus overhang 15 millimeters;

overall length 343 millimeters; effective length 250 millimeters; tracking error +1'6" at inner groove and +2'6" at outer groove \$450

THE WELL-TEMPERED LAB**The Well-Tempered Arm**

Tonearm with arm tube connected by short rod at pivot point to small disc suspended in tub of viscous silicon fluid; tube assembly suspended from above by short monofilament lines attached to disc, skewed slightly to apply anti-skating that changes as arm moves towards record center. Designed for use with any standard-mount cartridge. Skewed bifilar convergent ligament suspension eliminates mechanical rattles of gimbal bearing clearance. Reduces tracking force when arm moved up, increases when arm moves down to minimize effects of warped records. ¹⁷/₁₆" hole required for installation. Arm length 9"; effective mass 10 g \$500

YAMAHA**MC-1000 Moving-Coil Cartridge**

MC cartridge with diamond-coated pure beryllium tapered tubular cantilever. Features cross-matrix coil system; low-temp dependency damper. Output 0.17 mV at 5 cm/sec; FR 20-20,000 Hz ± 0.5 dB; sep 30 dB at 1,000 Hz; recommended tracking force 1.2 g ± 0.2 g; cartridge weight 5.3 g \$280

MC-3 Phono Cartridge

Cross-matrix air-core moving-core cartridge with samarium-cobalt magnet, 8 x 40-micron diamond stylus, tapered beryllium tube cantilever. Output 0.2 mV at 1 kHz, 5 cm/sec; FR 10-20,000 Hz; sep/balance > 28/0.8 dB; tracking force 1.2 g; 5.9 g \$220
MC-9. Similar to MC-3 except has 8 x 20-micron stylus, aluminum-tube cantilever. Output 0.3 mV; 1.5 g; 5.3 g \$100

MC-4 Moving-Coil Cartridge

Phono cartridge with Cross Matrix coils system for precise reproduction of stereo imaging while permitting independent adjustment of vertical and horizontal compliance. Features equalizing damper; tapered tubular aluminum cantilever; stylus is 0.06 mm square solid diamond 8 x 40 μ m; output 0.2 mV (1,000 Hz) 5 cm/sec peak 45"; ch separation > 28 dB (1 000 Hz); FR 20-20,000 Hz; recommended tracking force 1.4 g ± 0.2 g \$210

MC-11L. Similar to MC-4 except rare earth magnet; stylus 0.1 x 0.2 mm square solid diamond 8 x 20 μ m output 0.35 mV (1,000 Hz); 5 cm/sec peak 45"; ch sep > 28 dB (1,000 Hz); FR 20-20,000 Hz (10-50,000 Hz capability); recommended tracking force 1.8 g ± 0.3 g \$85

MC-505 Phono Cartridge

MC cartridge with pure beryllium tapered tubular cantilever and diamond stylus. Output 0.35 mV at 5 cm/sec; FR 20-20,000 Hz; sep 28 dB at 1,000 Hz; tracking force range 1.2-1.8 g; 3.4 g \$200
MC 501. Similar to MC-505 except has tapered aluminum tube cantilever \$150

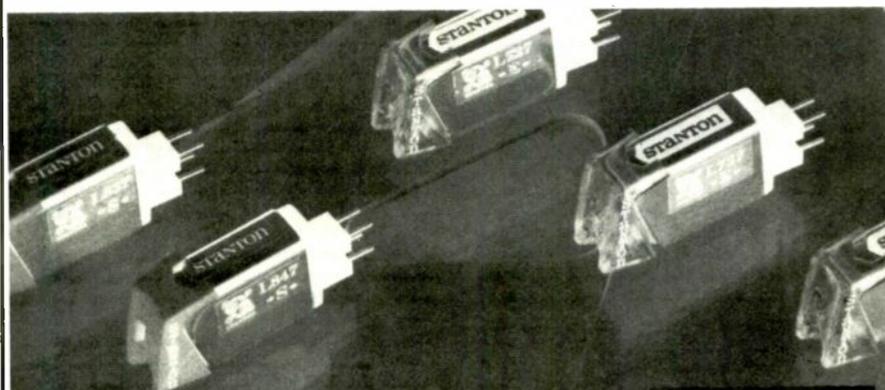
MC-21 Moving-Coil Cartridge

MC cartridge with cross-matrix coil system. Output 2.0 mV at 5 cm/sec; FR 20-20,000 Hz ± 1 dB; sep 28 dB at 1,000 Hz; tracking force range 1.8 g ± 0.3 g; cartridge weight 2.8 g \$70

ZETA by RMI**Zeta Straight Tonearm**

Statically balanced tonearm with fixed aluminum headshell. Tracking force range 1-5 grams; effective mass 16 grams; stylus overhang 18 mm; overall length 290 mm; effective length 210 mm; 1 lb, 4 oz \$875

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6 tape decks

ADS

C3 Two-Speed Cassette Deck—on front cover

4-track 2-channel cassette deck which provides for recording and play at 1 7/8 IPS (standard speed) and 3 3/4 IPS (double speed). Features quartz PLL direct-drive capstan multiple-pole outer-rotor motor; repeat; mike/line mixing; 3 heads; 2 motors; Dolby B; Dolby C; music search; memory stop/play; LED meters; headphone jack. W&F standard speed 0.04% WRMS, high speed 0.035%; FR (with all tape types) standard speed 20-20,000 Hz \pm 2 dB, high speed 25-22,000 Hz \pm 2 dB; S/N (A-wtd, all tape types) standard speed: > 58 dBA no NR, > 66 dBA Dolby B, > 74 dBA Dolby C, high speed: > 60 dBA no NR, > 68 dBA Dolby B, > 76 dBA Dolby C; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 700 mV; mike input sens 0.56 mV. 17.5" W \times 2.75" H \times 14.8" D; 19.6 lbs \$799

Atelier C2 Cassette Deck

Stereo cassette deck with single-capstan design and DC frequency generator servo-motor drive. Features speed accuracy of \pm 1% or better, 80 sec winding time for C-60 cassettes; Dolby C, Dolby B NR; 12-segment, 2-color LEDs. W&F 0.06% DIN; FR normal and chrome, 20-18,000 Hz \pm 2 dB, ferrichrome and metal 20-20,000 Hz \pm 2 dB; S/N (ref to level producing 3% THD at 315 Hz) > 74 dBA with Dolby C, > 66 with Dolby B, > 58 dBA without Dolby; headphone output 320 mV into 200 ohms (0.5 mW); 17.52" W \times 2.76" H \times 14.84" D; 18.3 lbs \$449

AIWA

AD-F990UB Dolby B & C Cassette Deck

Features 3 heads; 2 motors; auto bias/EQ; Dolby HX Pro; dual capstans; bias fine tuning; remaining-time counter; music search; output level control; memory stop/play; mike inputs; headphone jack; rec mute; IC logic controls; fluorescent meters with peak hold;



MPX filter switch; timer rec/play standby; auto Dolby NR detector; intro-play Auto-De-Magnetizing System (A.D.M.S.). W&F 0.025% WRMS; FR ferric 20-18,000 Hz \pm 3 dB, high bias 20-19,000 Hz \pm 3 dB, metal 20-20,000 Hz \pm 3 dB; S/N (A-wtd) metal: 68 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 400 mV; mike input sens 1 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 12.1 lbs \$595

AD-F770UB Dolby B & C Cassette Deck

Features 3 heads; 2 motors; auto bias/EQ; Dolby HX Pro; dual capstans; bias fine tuning; remaining-time counter; music search; output level control; memory stop/play; mike inputs; headphone jack; rec mute; digital automatic tape adaptation; IC logic controls; fluorescent meters with peak hold; auto Dolby NR detector; intro play A.D.M.S. W&F 0.025% WRMS; FR ferric 20-17,000 Hz \pm 3 dB, high bias 20-18,000 Hz \pm 3 dB, metal 20-19,000 Hz \pm 3 dB; S/N (A-wtd) metal: 68 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB

indication 400 mV; mike input sens 1 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 12.1 lbs \$495

AD-WX220U Dolby B & C Cassette Deck

Features 2 heads; 2 motors; auto bias/EQ; bias fine tuning; music search; output level control; LED meters; mike inputs; headphone jack; rec mute; 1/2 time dubbing cassette deck random programmable; dubbing playback; random Dolby B & C; 1-touch synchro-dubbing. W&F 0.038% WRMS; FR ferric 20-13,000 Hz \pm 3 dB, high bias 20-15,000 Hz \pm 3 dB, metal 20-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 66 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 50 mV. 16 1/8" W \times 4 3/8" H \times 12 3/8" D; 12.3 lbs \$460

AD-F660U Dolby B & C Cassette Deck

Features 3 heads; 2 motors; auto bias/EQ; Dolby HX Pro; dual capstans; bias fine tuning; remaining time counter; music search; memory stop/play; LED meters; mike inputs; headphone jack; rec mute; IC logic controls; MPX filter switch; timer rec/play standby; dual micro-grain capstans; A.D.M.S.; intro play. W&F 0.028% WRMS; FR ferric 20-17,000 Hz \pm 3 dB, high bias 20-18,000 Hz \pm 3 dB, metal 20-19,000 Hz \pm 3 dB; S/N (A-wtd) metal: 68 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 400 mV; mike input sens 1 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 12.1 lbs \$375

AD-R650U Auto-Reverse Cassette Deck

Features 3 heads; 2 motors; auto bias/EQ; Dolby B; Dolby C; Dolby HX Pro; bias fine tuning; LED meters; headphone jack; rec mute; 0.2 sec auto-reverse; timer rec/play standby; micro-grain capstan. W&F 0.035% WRMS; FR ferric 20-16,000 Hz \pm 3 dB, high bias 20-17,000 Hz \pm 3 dB, metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) metal: 68 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 50 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 11 lbs \$360

AD-S40 Dolby B & C Cassette Deck

Features 3 heads; 2 motors; auto bias/EQ; Dolby HX Pro; dual capstans; bias fine tuning; headphone jack; rec mute; computer designed keyboard front control panel; A.D.M.S.; electronic digital tape counter; feather-touch IC logic controls; cue & review; fluorescent peak meters. W&F 0.028% WRMS; FR ferric 20-16,000 Hz \pm 3 dB, high bias 20-17,000 Hz \pm 3 dB, metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) metal: 78 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 380 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 10.4 lbs \$320

AD-R550U Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; auto bias/EQ; Dolby B; Dolby C; Dolby HX Pro; bias fine tuning; music search; blank skip; output level control; mike inputs; headphone jack; rec mute; 0.2 sec auto-reverse; micro-grain capstans; timer standby; fluorescent peak meter; edit assist; IC logic controls. W&F 0.04% WRMS; FR ferric 25-13,000 Hz \pm 3 dB, high bias 25-15,000 Hz \pm 3 dB, metal 25-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 65 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 50 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 11.4 lbs \$250

AD-R450U Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; auto bias/EQ; Dolby B; Dolby C; bias fine tuning; LED meters; headphone jack; rec mute; 1/2 sec auto-reverse; W&F 0.04% WRMS; FR ferric 25-13,000 Hz \pm 3 dB, high bias 25-15,000 Hz \pm 3 dB, metal 25-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 65 dB Dolby B, 78 dB Dolby C; line-in-

put sens for 0-dB reading 50 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 9.9 lbs \$250

AD-S20 Dolby B & C Cassette Deck

Features 3 heads; 1 motor; auto bias/EQ; bias fine tuning; LED meters; headphone jack; rec mute; A.D.M.S.; feather-touch IC logics controls; cue & review; timer rec/play standby. W&F 0.065% WRMS; FR ferric 20-16,000 Hz \pm 3 dB, high bias 20-17,000 Hz \pm 3 dB, metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) metal: 78 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 380 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 9.3 lbs \$250

AD-F350 Dolby B & C Cassette Deck

Features 2 heads; 2 motors; auto bias/EQ; bias fine tuning; LED meters; headphone jack; rec mute. W&F 0.035% WRMS; FR ferric 25-13,000 Hz \pm 3 dB, high bias 25-15,000 Hz \pm 3 dB, metal 25-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 65 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 50 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 8.8 lbs ... \$190

AD-F250U Dolby B & C Cassette Deck

Features 2 heads; 1 motor; auto bias/EQ; bias fine tuning; LED meters; soft-touch controls; headphone jack; rec mute; micro-grain capstan. W&F 0.038% WRMS; FR ferric 25-13,000 Hz \pm 3 dB, high bias 25-15,000 Hz \pm 3 dB, metal 25-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 65 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 50 mV. 16 1/8" W \times 4 3/8" H \times 11 1/8" D; 8.8 lbs \$150

AKAI

GX-9 Dolby B & C Cassette Deck

Features 3 heads; 4 motors; auto bias/EQ; dual capstans; bias fine tuning; direct drive; elapsed-time counter; remaining-time counter; music search; output level control; memory stop/play; headphone jack; rec mute; direct lead-in and power eject; record cancel; auto fader; peak/spectrum display; super GX 3-head (glass & ferrite crystal) MPX filter. W&F 0.25% WRMS; FR ferric 20-19,000 Hz \pm 3 dB, high bias 20-20,000 Hz \pm 3 dB, metal 20-21,000 Hz \pm 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 410 mV. 17.3" W \times 4.1" H \times 14.6" D; 15.4 lbs \$500

GX-R70 Auto-Reverse Cassette Deck

Dolby B, C and dbx cassette deck with super GX (ferrite and glass crystal) twin field head. Features 2 heads; 3 motors; auto bias/EQ; dual capstans; elapsed-time counter; music search; output level control; headphone jack; rec mute; computer record level processing system (CRLP); auto fader. W&F 0.05% WRMS; FR ferric 20-17,000 Hz \pm 3 dB, high bias 20-18,000 Hz \pm 3 dB, metal 20-19,000 Hz \pm 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 410 mV. 17.3" W \times 4.13" H \times 11" D; 11 lbs \$400

GX-R55 Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; Dolby B; Dolby C; dual capstans; music search; blank skip; output level control; memory stop/play; mike inputs; headphone jack; rec mute; random music play system; record cancel; programmable intro-scan (1-29 sec); super GX (glass & ferrite crystal) twin field head; MPX filter. W&F 0.05% WRMS; FR ferric 20-17,000 Hz \pm 3 dB, high bias 20-18,000 Hz \pm 3 dB, metal 20-19,000 Hz \pm 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B,

80 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 410 mV. 17.3" W × 4.1" H × 11.3" D; 10.6 lbs \$360

GX-R60 Auto-Reverse Cassette Deck

Features 2 heads; 3 motors; Dolby B; Dolby C; dbx; dual capstans; music search; output level control; headphone jack; rec mute; super GX (glass & ferrite crystal) twin field head. W&F 0.05% WRMS; FR ferric 20-17,000 Hz ±3 dB, high bias 20-18,000 Hz ±3 dB, metal 20-19,000 Hz ±3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 410 mV. 17.3" W × 4.1" H × 11 D; 10.5 lbs \$300

HX-R40 Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; Dolby B; Dolby C; dual capstans; music search; LED meters; mike inputs; headphone jack; rec mute. W&F 0.05% WRMS; FR ferric 20-16,000 Hz ±3 dB, high bias 20-17,000 Hz ±3 dB, metal 20-18,000 Hz ±3 dB; S/N (A-wtd) metal: 58 dB no NR, 68 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 410 mV; mike input sens 2.5 mV. 17.3" W × 4.3" H × 9.8" D; 10 lbs \$230

GX-A5X dbx Cassette Deck

Features 2 heads; 1 motor; Dolby B; Dolby C; dbx; memory stop/play; mike inputs; headphone jack; rec mute; MPX filter; GX (glass & ferrite crystal) head; fluorescent display. W&F 0.05% WRMS; FR ferric 20-17,000 Hz ±3 dB, high bias 20-18,000 Hz ±3 dB, metal 20-19,000 Hz ±3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 380 mV \$230

HX-A3X dbx Cassette Deck

Features 2 heads; 1 motor; Dolby B; Dolby C; dbx;

mike inputs; headphone jack; rec mute; fluorescent display. W&F 0.05% WRMS; FR ferric 20-16,000 Hz ±3 dB, high bias 20-17,000 Hz ±3 dB, metal 20-18,000 Hz ±3 dB; S/N (A-wtd) metal: 59 dB no NR, 69 dB Dolby B, 79 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 380 mV; mike input sensitivity 2.5 mV. 17.3" W × 4.1" H × 11.2" D; 9 lbs \$200

HX-A301W Double Cassette Deck

Features 2 heads; 2 motors; Dolby B; LED meters; soft-touch controls; headphone jack; high-speed dubbing X2. W&F 0.05% WRMS; FR ferric 30-15,000 Hz ±3 dB, high bias 30-16,000 Hz ±3 dB; S/N (A-wtd) high bias: 56 dB no NR, 66 dB Dolby B; line input sens for 0-dB reading 70 mV; line output level with 0-dB indication 380 mV. 17.3" W × 4.5" H × 10" D; 6.8 lbs \$200

HX-A201 Dolby B & C Cassette Deck

Features 2 heads; 1 motor; LED meters; soft-touch controls; mike inputs; headphone jack. W&F 0.05% WRMS; FR ferric 30-15,000 Hz ±3 dB, high bias 30-16,000 Hz ±3 dB, metal 30-17,000 Hz ±3 dB; S/N (A-wtd) metal: 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 380 mV; mike input sens 0.25 mV. 17.3" W × 4.3" H × 10" D; 7.1 lbs \$160

HX-A101 Dolby B Cassette Deck

Dolby B cassette deck with 2 heads; 1 motor; LED meters; soft-touch controls; mike inputs; and headphone jack. W&F 0.05% WRMS; FR ferric 30-15,000 Hz ±3 dB, high bias 30-16,000 Hz ±3 dB, metal 30-17,000 Hz ±3 dB; S/N (A-wtd) metal: 56 dB no NR, 66 dB Dolby B; line-input sens for 0-10 dB reading 70 mV; line output level with 0dB indication 380 mV; mike input sensitivity 0.25 mV. 17.3" W × 4.3" H × 10" D; 7.1 lbs \$140

BANG & OLUFSEN

Beocord 9000 Stereo Cassette Deck

Top-loading stereo cassette deck with automatic computer-controlled calibration that automatically adjusts for specific tape formulation used. Features Dolby B & C NR and Dolby HX Pro (headroom-extension) systems; double Sendust/ferrite tape head with separate gaps for record and playback; manual switching system for normal/CrO₂/metal tape formulations; special low-noise playback amplifier; -20 to +6 dB record/playback peak signal-level meters; automatic demagnetization; minutes/seconds tape counter; tape-end indicator; single-motor/capstan drive system. W&F DIN/WRMS <0.1%/<0.045%; FR 10-25,000 Hz ±3 dB referred to 250 nWb/m, -20 dB, 20-20,000 Hz ±1.5 dB all tape formulations; S/N B/C 68/79 dB Scotch Meta fine and Sony FeCr, 70/80 dB BASF chrom II, 64/74 dB BASF LHI tape; sep > 40 dB at 1 kHz; input sens/imp 0.4V/47k radio, 15 mV/22k ohms line, 0.15 mV/3K mic, 40 mV/22k ohms AUX; output level/imp 500-2000 mV/5.6k ohms radio, 10 V max/56 ohms headphones; fast-wind time 70 secs with C60 cassette; 20 1/4" W × 11 1/4" D × 5 1/4" H; 17 lb \$1,299

Beosystem 5000 Cassette Deck

Stereo cassette deck with transport-in-a-drawer design and Dolby HX Professional headroom-extension system. Can be operated by remote control with Beomaster 5000 receiver and Master Control Panel or remote-control terminal. Features Dolby B and C NR; peak-reading meters; Auto Search; auto bias and EQ. W&F <±0.078% WRMS; speed deviation <±1.5%; FR 30-18,000 Hz ±3 dB with chrome S/N 74 dB with metal tape \$699

Beocord 8004 Stereo Cassette Deck

Stereo cassette deck with Dolby B and C NR and Dolby HX-Pro headroom-extension system. Features

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To maintain sound quality and prevent damaged tapes, use Discwasher tape care products regularly. The Perfect Path™ Cassette Head Cleaner is a unique, non-abrasive dry cleaning system. Scientifically

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CIRCLE NO. 9 ON READER SERVICE CARD

auto normal/CrO₂/metal bias selection; real-time calibration system that gives index to music in minutes and seconds; auto computer-controlled search; single-gap record/play head; auto demagnetizing; stop function that places 4-sec noise-free pause between cuts; timer start/stop function for record and play. Fast-wind time with C-60 tape 70 sec. FR 20-20,000 Hz \pm 3 dB; W&F < 0.045% WRMS; S/N 78 dB (metal, C); sep > 35 dB. 20 $\frac{1}{2}$ " W \times 11 $\frac{1}{4}$ " D \times 5 $\frac{1}{2}$ " H; 16.5 lbs \$699

Beocord 2000 Stereo Cassette Deck

The cassette deck of Beosystem 2000 with same design as other Beosystem 3000 components. Features touch-sensitive controls; repeat of tape up to 4 times; fast-forward to next segment; LED peak program meter; auto head demagnetizing at end of record; Dolby B NR; metal/chrome EQ; MX permalloy tape head; W&F 0.08% WRMS; speed deviation \pm 1.5%; FR 20-15,000 Hz \pm 3 dB; S/N Dolby B, metal 64 dB, chrome 65 dB, ferro 63 dB; ch/sep 35 dB; erasure 70 dB; line input 40 mV/22k ohms; line output 660 mV/100 ohms; 16 $\frac{1}{2}$ " W \times 2 $\frac{1}{4}$ " H \times 9 $\frac{1}{4}$ " D \$450

BENJAMIN MUSIC SYSTEMS

ACC-15 Cassette Changer

Cassette deck that holds 10 tapes in magazine for continuous or programmed play. Features auto reverse; auto music sensor; blank skip; NR and EQ set for each tape; repeat of single track up to 10 times; headphone jack; rotary bilateral head with dual-capstan transport; Dolby B NR; direct-coupled play head. W&F 0.07% WRMS; FR at -20 dB; metal, high bias, and FeCr 30-16,000, ferric to 14,000, all \pm 3 dB; S/N, no NR: metal 58 dB, FeCr 59 dB, high bias 57 dB, ferric 54 dB; S/N Dolby B: metal 65 dB, FeCr 66 dB, high bias 65 dB, ferric 61 dB; THD 1.0% at 1,000 Hz, 0 dB; crosstalk between tracks 60 dB at 1,000 Hz; sep between channels 35 dB at 1,000 Hz. 14" W \times 4 $\frac{1}{4}$ " H \times 11" D; 12 lbs, 9 oz \$430

DENON

DRM-44HX dbx Cassette Deck

Features 3 heads; 3 motors; auto bias/EQ; Dolby B; Dolby C; Dolby HX Pro; dual capstans; bias fine tuning; manual azimuth adjust; direct drive; elapsed-time counter; remaining-time counter; music search; blank skip; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; MPX filter; non-slip reel drive. W&F 0.035% WRMS; FR metal 25-20,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 75 dB no NR \$600

DRM-33HX Dolby B & C Cassette Deck

Features 3 heads; 3 motors; auto bias/EQ; Dolby HX Pro; dual capstans; bias fine tuning; manual azimuth adjust; direct drive; elapsed-time counter; remaining-time counter; music search; blank skip; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; non-slip reel drive. W&F 0.04% WRMS; FR metal 25-20,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 75 dB no NR \$500

DRM-22 Dolby B & C Cassette Deck

Features 3 heads; 3 motors; auto bias/EQ; dual capstans; bias fine tuning; manual azimuth adjust; direct drive; elapsed-time counter; remaining-time counter; music search; blank skip; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.045% WRMS; FR metal 30-19,000 Hz \pm 3 dB; S/N (A-wtd) metal: 73 dB no NR; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 775 mV \$400

DRM-11 Dolby B & C Cassette Deck

Features 2 heads; 3 motors; bias fine tuning; elapsed-time counter; remaining-time counter; music search; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack. W&F 0.045% WRMS; FR metal 30-18,000 Hz \pm 3 dB; S/N (A-wtd) metal: 70 dB no NR; line output level with 0-dB indication 775 mV \$300

DRM-10 Dolby B & C Cassette Deck

Features 2 heads; 3 motors; auto bias/EQ; bias fine tuning; output level control; memory stop/play; LED meters; soft-touch controls. W&F 0.05% WRMS; FR metal 33-17,000 Hz \pm 3 dB; S/N (A-wtd) metal: 70 dB no NR \$250

DUAL by ORTOFON

C818 Cassette Deck

Auto-reverse cassette deck. Features two motor; Direct Load design; quick reverse; Dolby B & C; automatic tape selection; tape display \$300

FISHER

CRW-52 Double Cassette Deck

Double high-speed dubbing cassette deck. Features Dolby B; Dolby C; elapsed-time counter; LED meters; soft-touch controls; headphone jack; synchronized high-speed dubbing; sequential play \$250

CRW-37 Double Cassette Deck

Double high-speed dubbing cassette deck. Features Dolby B; Dolby C; elapsed-time counter; LED meters; soft-touch controls; headphone jack; synchronized dubbing; sequential play \$200

CRW-36 Double Cassette Deck

Double cassette deck. Features Dolby B; elapsed-time counter; LED meters; headphone jack; synchronized 1-touch dubbing; sequential play \$150

HARMAN KARDON

CD491 Dolby B/C/HX Pro Cassette Deck

Ultrawideband cassette deck with direct-drive dual-capstan transport. Features 3 heads; 2 motors; Dolby B; Dolby C; Dolby HX Pro; bias fine tuning with record and bias calibration test-tone oscillators; music search; output level control; memory stop/play; logic control; weighted peak-hold LED meters; mike inputs; mike/line mixing; headphone jack; rec mute. Timer controllable. W&F 0.025% WRMS; FR with all tape types 20-24,000 Hz \pm 3 dB; S/N (A-wtd, with high bias tape) 58 dB no NR, 66 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 40 mV; line output level with 0-dB indication 420 mV; mike input sens 0.65 mV; mike input overload 18 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 13 $\frac{1}{2}$ " D; 18 lbs \$825

TD392 Dolby B/C/HX Pro Cassette Deck

Cassette deck with 3 heads for monitoring during recording. Sendust record head, narrow-gap high-density ferrite play head. Features 1 motor; Dolby B; Dolby C; Dolby HX Pro; solenoid logic transport; bias fine tuning with test-tone oscillator; output level control; weighted LED meters; headphone jack; rec mute. W&F



0.05% WRMS; FR with all tape types 20-22,000 Hz \pm 3 dB; S/N (A-wtd, with high bias tape) 58 dB no NR, 66 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 500 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 13 $\frac{1}{2}$ " D; 16 lbs \$550

TD292 Dolby B/C Cassette Deck

Ultrawideband cassette deck with Dolby B and C. Sendust narrow-gap play/record head. Features 1 motor; solenoid logic transport; auto repeat; bias fine tuning; peak-reading LED meters; MPX filter switch; headphone jack; rec mute. W&F 0.05% WRMS; FR with all tape types 20-21,000 Hz \pm 3 dB; S/N (A-wtd, with high bias tape) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; line-input sens for 0-dB reading 50

mV; line output level with 0-dB indication 500 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 13 $\frac{1}{2}$ " D; 16 lbs \$335

TD192 Dolby B Cassette Deck

Ultrawideband cassette deck with Dolby B and narrow-gap play/record head. Features 2 heads; 1 motor; solenoid logic controls; auto repeat; peak-reading LED meters; MPX filter switch; headphone jack; rec mute. W&F 0.05% WRMS; FR with all tape types 20-20,000 Hz \pm 3 dB; S/N (A-wtd, with high bias tape, ref 250 nW/m) 57 dB no NR, 65 dB Dolby B; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 500 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 13 $\frac{1}{2}$ " D; 16 lbs \$250

HITACHI

D-X10 Cassette Deck

Quick auto reverse cassette deck with three heads and FL meter. Features 2 motors; auto reverse; auto bias/EQ; Dolby B; Dolby C; dual capstans; bias fine tuning; direct drive Uitorque motor; elapsed-time counter; remaining-time counter; music search; blank skip; output level control; memory stop/play; headphone jack; rec mute; auto tape response system; random programmability; scanning play. W&F 0.03% WRMS; FR high bias 20-20,000 Hz \pm 3 dB, metal 20-21,000 Hz \pm 3 dB; S/N (A-wtd) metal: 61 dB no NR, 69 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 11" D; 12 lbs \$660

DW 800 Double Cassette Deck

High-speed dubbing dual cassette deck with FL meter. Features feather-touch controls; Dolby B and C NR; mike inputs; DC servo motor; rec mute; headphone jack. W&F 0.04% A-wtd; FR metal 20-18,000 Hz; S/N metal 72 dB Dolby C; 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 10 $\frac{1}{16}$ " D; 10 lbs \$390

D-W440 Cassette Deck

High-speed dubbing dual cassette deck with LED meter. Features 2 heads; 2 motors; Dolby B; soft-touch controls; mike inputs; headphone jack; auto tape selector; continuous play (tape 1 to tape 2); one-touch dubbing. W&F 0.08% WRMS; FR high bias 20-16,000 Hz \pm 3 dB, metal 20-17,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR, 66 dB Dolby B; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV; mike input sens 0.8 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 9" D; 7 lbs \$300

DX6 Auto-Reverse Cassette Deck

Quick auto-reverse cassette deck with FL meter. Features feather-touch controls; Dolby B and C NR; mike inputs; DC servo motor; headphone jack. W&F 0.04% A-wtd; FR metal 20-19,000 Hz; S/N metal 74 dB Dolby C; 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 10 $\frac{1}{16}$ " D; 9 lbs \$290

D-W400 Cassette Deck

Soft-touch dual cassette deck with LED meter. Features 2 heads; 2 motors; Dolby B; mike inputs; headphone jack; auto tape selector; continuous play (tape 1 to tape 2). W&F 0.08% WRMS; FR high bias 20-16,000 Hz \pm 3 dB, metal 20-17,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR, 66 dB Dolby B; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV; mike input sens 0.8 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 9" D; 7 lbs \$200

DE17 Cassette Deck

Cassette deck with soft-touch controls and Dolby B. Features 2 heads; 1 motor; LED meters; headphone jack. W&F 0.08% WRMS; FR ferric 20-15,000 Hz \pm 3 dB, high bias 20-16,000 Hz \pm 3 dB, metal 20-17,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 58 dB no NR, 66 dB Dolby; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV; mike input sens 0.8 mV. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{4}$ " H \times 9 $\frac{1}{16}$ " D; 6 lbs \$130

DE 12 Dolby B Cassette Deck

Soft-touch cassette deck with VU meter. Features Dolby B; mike inputs; DC servo motor; headphone jack. S/N metal 66 dB Dolby B \$100

S/N metal 66 dB Dolby B; 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 8 $\frac{3}{8}$ " D; 7 lbs \$100

JVC**DD-V99 Cassette Deck**

3-head U-turn quick auto-reverse cassette deck. Features direct drive; soft-touch controls; LED meters; Dolby and C NR; rec mute; headphone jack; auto bias/EQ; memory stop/play. W&F 0.035% WRMS; FR ferric, 25-17,000 Hz \pm 3 dB; high bias, 25-18,000 Hz \pm 5 dB; metal, 25-18,000 Hz \pm 3 dB; S/N 60 dB with metal tape and no NR; line-input level for 0-dB meter indication 80 mV; line-output level with 0-dB indication 500 mV; 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 10 $\frac{1}{16}$ " H; 15.7 lbs \$800
Remote control option \$50

DDVR77 Auto-Reverse Cassette Deck

Hi-Fi U-turn quick auto-reverse cassette deck with direct drive. Features 3 heads; 3 motors; Dolby B; Dolby C; elapsed-time counter; remaining-time counter; music search; blank skip; output level control; memory stop/play; soft-touch controls; headphone jack; rec mute. W&F 0.035% WRMS; FR ferric 20-16,000 Hz \pm 3 dB, high bias 20-17,000 Hz \pm 3 dB, metal 20-17,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11 $\frac{1}{8}$ " D; 11.4 lbs \$500

KD-V6 Dolby B and C Cassette Deck

Features soft-touch controls; LED meters; rec mute; headphone jack; auto bias/EQ. W&F 0.05%; FR ferric, 20-18,000 Hz \pm 3 dB; high bias, 20-19,000 Hz \pm 3 dB; metal, 20-19,000 Hz \pm 3 dB; S/N 58 dB with metal tape and no NR; line-input level for 0-dB meter indication 80 mV; line-output level with 0-dB indication 300 mV; 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11" D; 10 lbs \$350

KDW55 Dolby B Cassette Deck

Double mechanism cassette deck with full logic. Features 3 heads; 4 motors; auto bias/EQ; music search; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; double speed dubbing with syncro start; random access programmability; computer shift control; blank search; blank skip; rewind and auto play; index scan. W&F 0.06% WRMS; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-16,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV; mike input sens 0.25 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11 $\frac{1}{8}$ " D; 10.8 lbs \$340

KDVR5 Auto Reverse-Cassette Deck

Hi-Fi U-turn quick auto-reverse cassette deck with Dolby B and C. Features 2 heads; 3 motors; music search; music scan; blank skip; blank scan; index scan; memory stop/play; soft-touch controls; mike inputs; headphone jack; rec mute; digital peak display; auto fader; compu-scanning control; timer standby; Sen-Alley head; mechanism mode indicator. W&F 0.05% WRMS; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-16,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV; mike input sens 0.4 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11 $\frac{1}{8}$ " D; 10.3 lbs \$320

KDVR320 Auto-Reverse Cassette Deck

Hi-Fi U-turn auto-reverse cassette deck with Dolby B and C. Features 2 heads; 3 motors; music search; music scan; blank skip; blank scan; index scan; soft-touch controls; mike inputs; headphone jack; rec mute; compu-scanning control; 2-color fluorescent peak meter; timer standby; mechanism mode indicator. W&F 0.05% WRMS; FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-15,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV \$250

KD-W110 Dolby B Cassette Deck

Soft-touch cassette deck with Dolby B. Features LED

meters; mike inputs; rec mute; headphone jack, black finish. W&F 0.08%; FR ferric, 30-15,000 Hz \pm 3 dB; high bias, 30-16,000 Hz \pm 3 dB; metal, 30-16,000 Hz \pm 3 dB; S/N 58 dB with metal tape and no NR; line-input level for 0-dB indication 80 mV; line-output level with 0-dB indication 300 mV; 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 11" D; 10.3 lbs \$250
RM-70E. Remote control unit \$50

TDW20 Dolby B & C Cassette Deck

Double mechanism cassette deck with logic control. Features 3 heads; 2 motors; auto bias/EQ (deck A); LED meters; soft-touch controls; mike inputs; double speed dubbing with syncro start; auto input selector. W&F 0.08% WRMS; FR ferric 40-14,000 Hz \pm 3 dB, high bias 40-15,000 Hz \pm 3 dB, metal 40-15,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 8 $\frac{1}{2}$ " D; 8.8 lbs \$210

KDV220 Dolby B & C Cassette Deck

Full logic control cassette deck. Features 2 heads; 2 motors; music search; blank skip; blank search; index scan; rewind and auto play; soft-touch controls; mike inputs; headphone jack; rec mute; computer shift control; 2-color fluorescent peak meter; timer standby; mechanism mode indicator. W&F 0.08% WRMS; FR ferric 40-14,000 Hz \pm 3 dB, high bias 40-15,000 Hz \pm 3 dB, metal 40-15,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV; mike input sens 0.4 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 9" D; 7.7 lbs \$200

TDW10 Dolby B Cassette Deck

Double mechanism logic control cassette deck with syncro start. Features 3 heads; 2 motors; LED meters; soft-touch controls. W&F 0.08% WRMS; FR ferric 40-14,000 Hz \pm 3 dB, high bias 40-15,000 Hz \pm 3 dB, metal 40-15,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 8 $\frac{1}{2}$ " D; 8.36 lbs \$150

KDV120 Dolby B Cassette Deck

Features 2 heads; 1 motor; soft-touch controls; mike inputs; 2-color fluorescent peak meter. W&F 0.08% WRMS; FR ferric 40-14,000 Hz \pm 3 dB, high bias 40-15,000 Hz \pm 3 dB, metal 40-15,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 300 mV; mike input sens 0.3 mV. 17 $\frac{1}{2}$ " W x 4 $\frac{3}{8}$ " H x 9 $\frac{1}{8}$ " D; 7.7 lbs \$125

KENWOOD**KX-94W(B) Double Cassette Deck**

Auto-reverse double cassette deck with Dolby B and C NR. Features elapsed-time counter; mike inputs; full electronic logic control; continuous relay play; direct program search system; synchronized recording with KD-74F(B)/KD-64F(B); index scan; re-recording standby; automatic tape selector W&F 0.06% WRMS; FR metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) metal: 73 dB Dolby C; 16 $\frac{1}{32}$ " W x 4 $\frac{1}{32}$ " H x 10 $\frac{1}{8}$ " D; 9.7 lbs \$365

KX-74R(B) Auto-Reverse Cassette Deck

Features Dolby B and C NR; elapsed-time counter; mike inputs; rec mute; full electronic logic control; photo sensor auto reverse; rotary head system; direct program search system; index scan; auto record mute; 2-motor drive; synchronized recording with KD-74F(B)/KD-64F(B). W&F 0.06% WRMS; FR metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) metal: 73 dB Dolby C. 15 $\frac{1}{32}$ " W x 4 $\frac{1}{32}$ " H x 10 $\frac{1}{8}$ " D; 8.1 lbs \$275

KX-54(B) Dolby B/C Cassette Deck

Cassette deck with Dolby B and C NR. Features elapsed-time counter; output level control; soft-touch mechanical logic control; mike inputs; headphone jack; permalloy head; single selection direct program search system; 6 LED peak level indicators. W&F 0.09% WRMS; FR metal 20-16,000 Hz \pm 3 dB; S/N



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(A-wtd) metal: 64 dB Dolby B; 16¹/₂" W × 4⁷/₃₂" H × 10¹/₄" D; 8.4 lbs. \$175

KX-44(B) Dolby B Cassette Deck

Cassette deck with Dolby B NR. Features elapsed-time counter; output level control; soft-touch mechanical logic control; mike inputs; headphone jack; single selection direct program search system; 1-touch recording; 6 LED peak indicators; metal, chrome, and normal tape selector. W&F 0.09% WRMS; FR metal 20-16,000 Hz ±3 dB; S/N (A-wtd) metal: 64 dB Dolby B. 16¹/₂" W × 4⁷/₃₂" H × 10¹/₄" D; 8.4 lbs. \$160

KYOCERA

D-811 Dolby Hx Pro Cassette Deck

Features 2 heads; 3 motors; auto reverse; auto bias/EQ; Dolby B; Dolby C; dual capstans; bias fine tuning; direct drive; elapsed-time counter; remaining-time counter; digital electronic counter; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.035% WRMS; FR ferric 20-22,000 Hz ±3 dB, high bias 20-20,000 Hz ±3 dB, metal 20-20,000 Hz ±3 dB; S/N (A-wtd) metal: 58 dB no NR, 10 dB Dolby B, 20 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 580 mV; mike input sens 0.5 mV \$625

D-611 Dolby B & C Cassette Deck

Features 2 heads; 3 motors; auto reverse; auto bias/EQ; bias fine tuning; direct drive; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.035% WRMS; FR ferric 20-22,000 Hz ±3 dB, high bias 20-20,000 Hz ±3 dB, metal 20-20,000 Hz ±3 dB; S/N (A-wtd) metal: 58 dB no NR, 10 dB Dolby B, 20 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 580 mV; mike input sens 0.5 mV. 18¹/₄" W × 4" H × 12¹/₄" D; 16 lbs. \$485

RC-101 Remote Control Unit. Wireless remote control center for selection/function control of Kyocera remote control products. Features single-cable interconnect to units; 2 external remote sensor inputs; manual override. \$250

RT-102 Remote Transmitter. Handheld wireless remote transmitter with 12 receiver, 6 tape deck, and 5 CD player functions. Features auto system power on/off. Controls main functions on Kyocera's new remote control components directly or through remote sensors. Included with RC-101.

RS-103 Remote Control Center. Features single-cable connection to Kyocera RC-101 control center and external remote control sensor. Allows multi-room remote control of Kyocera remote-capable CD players, receivers, and cassette decks. \$75

LUXMAN

K-03 Cassette Deck

Three-head cassette deck with direct drive. Features 3 motors; Dolby B; Dolby C; dual capstans; bias fine tuning; direct drive; remaining-time counter; output level control; memory stop/play; headphone jack; rec mute; logic control; Duo-Beta circuitry. W&F 0.002% WRMS; FR ferric 20-20,000 Hz ±3 dB, high bias 20-20,000 Hz ±3 dB, metal 20-20,000 Hz ±3 dB; S/N (A-wtd); ferric: 56 dB no NR, 64 dB Dolby B, 71 dB Dolby C, high bias: 58 dB no NR, 66 dB Dolby B, 73 dB Dolby C, metal: 60 dB no NR, 67 dB Dolby B, 73 dB Dolby C; line-input sens for 0-dB reading 150 mV; line output level with 0-dB indication 580 mV. 17¹/₁₆" W × 6³/₁₆" H × 14³/₁₆" D. \$1,000

K-405 Cassette Deck

Auto reverse cassette deck with Dolby BC and dbx. Features 2 heads; 3 motors; auto bias/EQ; Dolby B; Dolby C; dbx; dual capstans; music search; blank skip; output level control; memory stop/play; LED meters; headphone jack; rec mute; logic control; Duo-Beta circuitry. W&F 0.005% WRMS; FR metal 30-18,000 Hz ±3 dB; S/N (A-wtd) metal: 60 dB no NR, 67 dB Dolby B, 71 dB Dolby C, 90 dB dbx. \$900

K-240 Dolby B and C Cassette Deck

Stereo cassette deck with full-logic soft-touch controls and Dolby B and C NR. Features music search system; auto tape selector; auto disc pause; memory play/rewind/repeat; bias fine tune; FL peak level meters; metal tape capability; headphone and mike jacks. FR 20-19,000 metal, to 18,000 chrome, to 17,000 ferric; S/N with metal tape > 71 dB with Dolby C, > 67 dB with Dolby B, > 59 dB without NR; W&F 0.04% \$300

K-220 Dolby B and C Cassette Deck

Stereo cassette deck with Dolby B and C NR. Features FL peak level meters; soft-touch controls; metal-tape compatibility; headphone and mike jacks. FR 20-19,000 metal, to 18,000 chrome, to 17,000 ferric; S/N with metal tape > 70 dB with Dolby C, > 64 dB with Dolby B, > 58 dB without NR; W&F 0.06% \$200

Remote Controls

For Luxman solenoid-operated tape decks.

Ak 20. Wireless remote control unit \$120

Ak 10. Wired remote control unit \$50

MARANTZ

SD 74 Auto-Reverse Cassette Deck

Features 3 heads; 2 motors; Dolby B; Dolby C; dbx; elapsed-time counter; remaining-time counter; music search; blank skip; LED meters; mike inputs; headphone jack; wireless remote; full logic; timer standby; auto tape selector; electronic counter; auto monitor; song repeat; index scan. W&F 0.08% WRMS; FR ferric 40-16,000 Hz ±3 dB, high bias 40-18,000 Hz ±3 dB, metal 40-19,000 Hz ±3 dB; S/N (A-wtd) ferric: 52 dB no NR, 58 dB Dolby B, 66 dB Dolby C, 73 dB dbx; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 400 mV. 16¹/₂" W × 4¹/₄" H × 13¹/₄" D; 14.3 lbs. \$500

SD51 Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; Dolby B; Dolby C; dbx; music search; blank skip; LED meters; mike inputs; headphone jack; wireless remote; full logic; timer standby; auto tape selector; electronic counter; auto record mute. W&F 0.15% WRMS; FR ferric 40-12,500 Hz ±3 dB, high bias 40-14,000 Hz ±3 dB, metal 40-15,000 Hz ±3 dB; S/N (A-wtd) ferric: 51 dB no NR, 57 dB Dolby B, 65 dB Dolby C, 72 dB dbx; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV. 16¹/₂" W × 3¹/₁₆" H × 10¹/₄" D; 10.4 lbs. \$330

SD351 Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; Dolby B; Dolby C; music search; blank skip; LED meters; mike inputs; headphone jack; wireless remote; full logic; timer standby; auto tape selector; auto record mute; index scan. W&F 0.15% WRMS; FR ferric 40-12,500 Hz ±3 dB, high bias 40-14,000 Hz ±3 dB, metal 40-15,000 Hz ±3 dB; S/N (A-wtd) ferric: 51 dB no NR, 57 dB Dolby B, 65 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV. 16¹/₂" W × 3¹/₁₆" H × 10¹/₄" D; 9.9 lbs. \$250

SD 242 Dolby B & C Cassette Deck

Cassette deck with soft-touch controls, LED meters, Dolby B, Dolby C, mike inputs, headphone jack. W&F 0.05% RMS; FR ferric 40-13,000 Hz, high bias 40-15,000 Hz, metal 40-16,000 Hz; S/N metal 52 dB no NR, 60 dB Dolby B, 66 dB Dolby C; line-input sens for 0-dB reading 70 mV; 16¹/₂" W × 4¹/₄" H × 7¹/₄" D; 7.5 lbs. \$180

SD 142 Stereo Cassette Deck

Cassette deck with soft-touch controls, LED meters, Dolby B, mike inputs, headphone jack. W&F 0.08% RMS; FR ferric 40-12,000 Hz, high bias 40-14,000 Hz, metal 40-15,000 Hz; S/N metal 51 dB no NR, 59 dB Dolby B; line-input sens for 0-dB reading 70 mV; 16¹/₂" W × 4¹/₄" H × 7¹/₄" D; 7.5 lbs. \$150

SD255 Double Cassette Deck

Features 2 heads; Dolby B; Dolby C; LED meters; soft-

touch controls; mike inputs; headphone jack; auto tape selector. W&F 0.18% WRMS; FR ferric 40-12,500 Hz ±3 dB, high bias 40-12,500 Hz ±3 dB, metal 40-12,500 Hz ±3 dB; S/N (A-wtd) ferric: 51 dB no NR, 57 dB Dolby B, 65 dB Dolby C; 16¹/₂" W × 4¹/₁₆" H × 10¹/₄" D; 10.4 lbs. \$250

SD155 Double Cassette Deck

Features 2 heads; Dolby B; LED meters; soft-touch controls; mike inputs; headphone jack; auto tape selector. W&F 0.18% WRMS; FR ferric 40-12,500 Hz ±3 dB, high bias 40-12,500 Hz ±3 dB, metal 40-12,500 Hz ±3 dB; S/N (A-wtd) ferric: 51 dB no NR, 57 dB Dolby B, 16¹/₂" W × 4¹/₁₆" H × 10¹/₄" D; 10.5 lbs. \$220

Portable Cassette Decks

PMD 430 Portable Cassette Deck

3-head AC/DC cassette deck with dbx NR; Dolby B; fine-bias control; headphone jack with adjustable volume; dual recording level controls; 2 mike inputs; switchable mike attenuation (0, -15, -30 dB); compatible with normal/high-bias/metal tape; auto replay; pitch control; 3¹/₂" lbs; 2" × 9" × 6.5" \$500

RB 430. Rechargeable NiCad battery pack \$50

PMD 420 Portable Cassette Deck

Features 2 heads; Dolby B; bias fine tuning; mike inputs; headphone jack; built-in speaker; pitch control; 3-position tape selector; switchable limiter; 3-way power. W&F 0.12% WRMS; FR ferric 40-14,000 Hz ±3 dB, high bias 40-15,000 Hz ±3 dB, metal 40-16,000 Hz ±3 dB; S/N (A-wtd) ferric: 51 dB no NR, 59 dB Dolby B; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV. 9" W × 2" H × 6¹/₂" D; 2.9 lbs. \$400

PMD 221 Portable Cassette Deck

Features 2 speeds (1¹/₂ and 1¹/₁₆ IPS); 3 heads; mike inputs; headphone jack; built-in speaker; built-in mike; pitch control; 3-position tape selector; ext mike and speaker jacks; manual or auto level control; switchable limiter; 3-way power. W&F 0.12% WRMS; FR ferric 40-12,500 Hz ±3 dB. S/N (A-wtd) ferric: 48 dB no NR; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV. 9" W × 2" H × 6¹/₂" D; 2.9 lbs \$280

PMD 201 Portable Cassette Deck

Features 2 speeds (1¹/₂ and 1¹/₁₆ IPS); 2 heads; mike inputs; headphone jack; built-in speaker; built-in mike; pitch control; 3-position tape selector; ext mike and speaker jacks; manual or auto level control; switchable limiter; 3-way power. W&F 0.12% WRMS; FR ferric 40-12,500 Hz ±3 dB. S/N (A-wtd) ferric: 48 dB no NR; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV. 9" W × 2" H × 6¹/₂" D; 2.9 lbs \$220

MITSUBISHI

DT-156 Cassette Deck

Dual cassette deck with 7 cassette auto-changes. Features 3 heads; 6 motors; auto reverse; Dolby B; music search; blank skip; memory stop/play; soft-touch controls; Programmable playback (up to 9 selections from side A or B of 7 cassettes); programmable record; double speed dubbing; blank skip; repeat playback. W&F 0.12% WRMS; FR ferric 30-16,000 Hz ±3 dB, high bias 30-17,000 Hz ±3 dB, S/N (A-wtd) high bias: 58 dB no NR, 68 dB Dolby B. 16¹/₁₆" W × 6¹/₁₆" H × 11¹/₁₆" D; 20 lbs. \$330

DT-46 Cassette Deck

Cassette deck with Dolby B and C noise reduction. Features feather touch; logic control; peak record level meters; automatic bias and EQ selections. \$200

NAD

6155 Dolby B/C/Hx Pro Cassette Deck

Cassette deck with Playtronic circuit to allow adjustment of playback EQ to compensate for differences in cassettes made on other decks. Also allows for overall

high frequency compensation. Features Dolby B; Dolby C; Dolby HX Pro; DC servo motors; LED meters \$348

6130 Dolby B/C Cassette Deck

Cassette deck with DC servo capstan motor. Features Dolby B; Dolby C; metal-tape compatibility; soft-touch controls; five-segment LED peak level display. \$198

6125 Cassette Deck

Cassette deck with Dolby B and C NR; peak reading LED meters; sensitive mike input; high transport headroom. Features low flutter transport, DC servo motors. W&F 0.05% JIS-weighting; FR ferric, 30-15,000 Hz ± 3 dB; high bias, 30-16,000 Hz ± 3 dB; metal, 30-17,000 Hz ± 3 dB. S/N at 3.0% distortion level, ferric tape, 56 dB no NR, 65 dB Dolby B; 70 dB Dolby C; high bias 57 dB no NR; 66 dB Dolby B; 71 dB Dolby C; metal 59 dB no NR, 67 dB Dolby B, 73 dB Dolby C; line-input level for 0-dB meter indication 580 mV; line-output level with 0-dB indication 580 mV; 16.5" W \times 4" H \times 9.5" D; 7 lbs 8 oz... \$198

NAKAMICHI

Dragon Stereo Cassette Deck

Microprocessor-controlled auto-reverse 3-head cassette deck with Dolby B and C NR. Features Auto Azimuth Correction system; asymmetrical diffused resonance transport; Super Linear Torque direct-drive motors; auto retracting slot guides; tape-pad lifter; auto tape slack take-up; 2-speed ceing; 2-speed master fader; auto rec pause; rec level and bias calibration controls with 2-tone oscillator; dual-gap ferrite/serdust erase head; separate tape and EQ switches for ZX, SX, and EX cassettes; direct-coupled recording and playback amplifiers; left, right, master input levels; output level control; rec mute; high-output headphone jack; defeatable infrasonic filter; 4-digit LED electronic counter with memory stop and repeat. W&F 0.019% wtd RMS; FR 20-22,000 Hz ± 3 dB with ZX tape; S/N Dolby B/C on 66/72 dB at 400 Hz with 3% THD (A-wtd with ZX tape at 400Hz, 0 dB); sep/crosstalk 37/60 dB at 1,000 Hz, 0 dB; input sens/imp 50 mV/50k ohms line; output level/imp 1 V/2.2k ohms line, 45 mW/8 ohm headphones; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{8}$ " H \times 11 $\frac{1}{2}$ " D; 21 lbs \$1,850

RX-505 Auto-Reverse Cassette Deck

Discrete 3-head stereo cassette deck with Unidirectional Auto Reverse to eliminate bidirectional azimuth error. Mechanism turns cassette over at end of side during record or playback. Features asymmetrical dual-capstan closed-loop transport; auto fader (20 secs before end of tape); Dolby B and C; DC servo motors; auto record pause; LED peak level meters reading from -40 to +10 dB; dual-speed master fader; punch-in recording; memory stop/play; soft-touch controls. W&F <0.04% wtd rms; FR 20-20,000 Hz ± 3 dB all tape types; S/N > 70 dB with Dolby C and metal tape; THD < 0.9% with ZX tape; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 1,000 mV; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{8}$ " H \times 11 $\frac{1}{2}$ " D; 22 lbs \$1,090

RM-15. Optional remote control for RX-505... \$45

RX-202. Cassette deck similar to RX-505. W&F <0.06% WRMS; 17 $\frac{1}{2}$ " W \times 5 $\frac{1}{8}$ " H \times 10" D; 19 lbs 13 oz \$595

MR-1 Discrete 3-Head Pro Cassette Deck

3-head cassette deck with Asymmetrical Dual-Capstan Diffused-Resonance Transport. Features Dolby B and C; 3 motors; memory stop; rec mute; external NR loop accessed via standard phono jacks; dual 16-segment peak-reading electronic level meters; Crystallog recording and play heads; subsonic filter; MPX filter; $\pm 6\%$ pitch control front-panel $\frac{1}{4}$ " balanced line-input jacks; rear blanced XLR input and output jacks; unbalanced $\frac{1}{8}$ " rear jacks. Balanced inputs: imp 600 ohms; rated input level +4 dBm; headroom 16 dB to max input level (+20 dBm); min input level -6 dBm. Unbalanced inputs: imp 100 kohm; nominal recording level with input of -20 dBV (0.1 V); nominal input level 0.316 V. Comes with EIA standard rack-mount adapter. Optional remote control. W&F

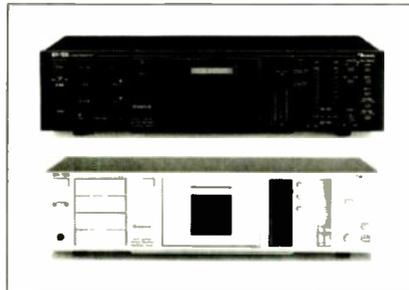
0.027% WRMS, $\pm 0.048\%$ wtd peak; FR 20-20,000 Hz ± 3 dB at -20 dB \$895

BX-300 Cassette Deck

Discrete 3-head cassette deck with asymmetrical dual-capstan transport driven by direct-drive capstan motor. Features 3 heads; 3 motors; Dolby B; Dolby C; dual capstans; bias fine tuning; direct drive; output level control; memory stop/play; LED meters; soft-touch controls; headphone jack; rec mute; pitch control; wired remote control; 2-speed master fader; defeatable MPX filter; 2-position EQ switch; 3-position tape selector; separate L + R output level. W&F 0.027% WRMS; FR ferric 20-20,000 Hz ± 3 dB, high bias 20-20,000 Hz ± 3 dB, metal 20-20,000 Hz ± 3 dB; S/N (A-wtd) metal: 64 dB Dolby B, 70 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 1,000 mV. 16 $\frac{1}{2}$ " W \times 3 $\frac{1}{8}$ " H \times 9 $\frac{1}{4}$ " D; 12.4 lbs \$695

BX-125 Cassette Deck

Microprocessor-controlled silent mechanism 2-head cassette deck. Features 2 heads; 3 motors; Dolby B; Dolby C; output level control; memory stop/play; LED meters; soft-touch controls; headphone jack; 2-speed master fader; defeatable MPX filter; 2-position EQ



switch; 3-position tape selector; separate L + R output level. W&F 0.06% WRMS; FR ferric 20-20,000 Hz, high bias 20-20,000 Hz, metal 20-20,000 Hz; S/N (A-wtd) metal: 62 dB Dolby B, 68 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 500 mV. 16 $\frac{1}{2}$ " W \times 3 $\frac{1}{8}$ " H \times 9 $\frac{1}{4}$ " D; 11 lbs \$399

BX-100 Cassette Deck

Two-head cassette deck similar to BX-150. Features 3-digit mechanical tape counter; LED meters, Dolby B, DC servo motor, headphone jack. W&F 0.05% rms; FR 20-20,000 Hz with all tape types; THD < 1.0%; S/N metal 62 dB no NR; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 500 mV; 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{8}$ " H \times 9 $\frac{1}{4}$ " D; 12 lbs, 2 oz \$299

RM-20 Wired Remote Control

Allows remote operation of record, play, pause, stop, fast forward, rewind; plus reverse operation with Dragon \$50

NIKKO

ND-1000C Dolby B & C Cassette Deck

Features 3 heads; 2 motors; auto bias/EQ; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; rack mountable. W&F 0.05% WRMS; FR ferric 30-15,000 Hz ± 3 dB, high bias 30-19,000 Hz ± 3 dB, metal 30-20,000 Hz ± 3 dB; S/N (A-wtd) ferric: 75 dB no NR, high bias: 75 dB no NR, metal: 75 dB no NR; line output level with 0-dB indication 50 mV; mike input sens 0.25 mV. 17 $\frac{1}{2}$ " W \times 4 $\frac{1}{8}$ " H \times 10" D; 13 lbs, 5 oz \$550

ND-750 Auto-Reverse Cassette Deck

Features 3 heads; 3 motors; Dolby B; Dolby C; dual capstans; music search; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute. W&F 0.045% WRMS; FR ferric 30-15,000 Hz ± 3 dB, high bias 30-16,000 Hz ± 3 dB, metal 30-18,000 Hz ± 3 dB; S/N (A-wtd) ferric: 73 dB no NR, high bias: 73 dB no NR, metal: 73 dB no NR. 8.6 lbs \$300

ONKYO

TA 2090 Dolby B/C/HX Cassette Deck

Computer-controlled cassette deck with Dolby B, Dolby C, Dolby HX Pro, and dbx. Features 3 heads; 3 motors; auto bias/EQ; dual capstans; bias fine tuning; direct drive; elapsed-time counter; remaining-time counter; music search; output level control; memory stop; play; mike inputs; headphone jack; rec mute; remote control optional; record calibration controls; side panels optional; serdust heads; MPX filter; fluorescent meters; 2-color peak hold. W&F 0.02% WRMS; FR ferric 25-17,000 Hz ± 3 dB, high bias 25-19,000 Hz ± 3 dB, metal 25-21,000 Hz ± 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C, 87 dB dbx; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 750 mV; mike input sens 0.6 mV; mike input overload 165 mV. 17 $\frac{1}{2}$ " W \times 3 $\frac{1}{8}$ " H \times 15 $\frac{1}{4}$ " D; 20 lbs \$800

CW-20. Wood side panels for use with TA-2090 cassette deck \$60/set

TA-RW11 Double Auto Reverse Cassette Deck

Computer-controlled double auto-reverse cassette deck with dubbing capabilities. Features 4 heads; 6 motors; auto reverse; Dolby B; Dolby C; music search; LED meters; mike inputs; headphone jack; rec mute; real-time dubbing; different size tape dubbing; continuous play 12 hours; dual azimuth adjust; photoelectric end of tape to leader detector; MPX filter. FR ferric 30-13,000 Hz ± 3 dB, high bias 30-14,000 Hz ± 3 dB, metal 30-15,000 Hz ± 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 100 mV. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{8}$ " H \times 13 $\frac{1}{4}$ " D; 15 lbs \$415

TA-RW11. Same as above with black finish... \$415

TA-2056 Dolby B & C Cassette Deck

Computer-controlled cassette deck with MPX. Features 3 heads; 3 motors; dual capstans; bias fine tuning; elapsed-time counter; remaining-time counter; music search; memory stop/play; LED meters; mike inputs; headphone jack; rec mute; auto tape selector; preset level controls with master fader; hard permalloy heads. W&F 0.045% WRMS; FR ferric 30-16,000 Hz ± 3 dB, high bias 30-17,000 Hz ± 3 dB, metal 30-18,000 Hz ± 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 150 mV. 17 $\frac{1}{2}$ " W \times 4 $\frac{1}{8}$ " H \times 14 $\frac{1}{8}$ " D; 14 lbs \$395

TA-2056B. Same as above in black \$395

TA-R33 Auto-Reverse Cassette Deck

Computer-controlled cassette deck with auto reverse. Features 2 heads; 3 motors; Dolby B; Dolby C; music search; blank skip; memory stop/play; LED meters; mike inputs; headphone jack; rec mute; infrared end-of-tape-to-leader reversing detector; timer record/play; MPX filter; dual azimuth adjust for A & B sides; auto tape selector. FR ferric 30-14,000 Hz ± 3 dB, high bias 30-15,000 Hz ± 3 dB, metal 30-16,000 Hz ± 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 100 mV. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{8}$ " H \times 10 $\frac{1}{8}$ " D; 11 lbs \$315

TA-F33B. Same as above with black finish... \$315

TA-2047B Dolby B & C Cassette Deck

Computer-controlled cassette deck with Dolby B and C. Features 2 heads; 3 motors; bias fine tuning; elapsed-time counter; remaining-time counter; music search; memory stop/play; LED meters; mike inputs; headphone jack; rec mute; MPX filter; subsonic filter; preset levels with master fader; auto tape select; remote control optional. W&F 0.045% WRMS; FR ferric 30-15,000 Hz ± 3 dB, high bias 30-16,000 Hz ± 3 dB, metal 30-17,000 Hz ± 3 dB; S/N (A-wtd) metal: 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV;

mike input overload 150 mV. 17 $\frac{1}{8}$ " W x 4 $\frac{3}{8}$ " H x 14 $\frac{1}{8}$ " D; 13 lbs; black only \$300

TA-R22 Auto-Reverse Cassette Deck

Computer-controlled cassette deck with Dolby B and C. Features 2 heads; 2 motors; music search; blank skip; LED meters; mike inputs; headphone jack; rec mute; infrared end-of-the-tape-to-leader detector; MPX filter. FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 100 mV. 17 $\frac{1}{8}$ " W x 4 $\frac{1}{2}$ " H x 10 $\frac{1}{2}$ " D; 10 lbs \$260
TA-R22B. Same as above in black \$260

TA-W55 High-Speed Dubbing Cassette Deck

Features 4 heads; 2 motors; Dolby B; music search; LED meters; soft-touch controls; mike inputs; rec mute; timer rec/play; continuous play; simultaneous play of 2 cassettes; 5 track mixing; auto tape selector; DC servo-controlled motors. W&F 0.07% WRMS; FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 56 dB no NR, 66 dB Dolby B; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 100 mV. 17 $\frac{1}{8}$ " W x 4 $\frac{1}{8}$ " H x 10 $\frac{1}{8}$ " D; 12 lbs \$250
TA-W55B. Same as above in black \$250

TA-2027 Dolby B & C Cassette Deck

Computer-controlled cassette deck with silent mechanism. Features 2 heads; 1 motor; bias fine tuning; music search; LED meters; mike inputs; headphone jack; rec mute; DC servo-controlled motor; timer rec/playback; MPX filter. W&F 0.05% WRMS; FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 58 dB no NR, 68 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 100 mV. 17 $\frac{1}{8}$ " W x 4 $\frac{1}{8}$ " H x 10 $\frac{1}{8}$ " D; 10 lbs \$210
TA-2027B. Same as above in black \$210

TA-2017 Dolby B & C Cassette Deck

Features 2 heads; 1 motor; Dolby B; Dolby C; bias fine tuning; LED meters; soft-touch controls; mike inputs; direct function transport; peak level meters; MPX filter. W&F 0.07% WRMS; FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) metal: 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 500 mV; mike input sens 1 mV; mike input overload 100 mV. 17 $\frac{1}{8}$ " W x 4 $\frac{1}{8}$ " H x 10 $\frac{1}{8}$ " D; 10 lbs \$165
TA-2017B. Same as above in black \$165

RC-5T Wired Remote Control

Wired remote control for use with remote compatible Onkyo turntables and cassette decks. 14-ft cord. Features record; rewind; play; fast forward; stop; pause; repeat; search; cue; play/reject \$50

PARASOUND

CD400 Dolby B & C Cassette Deck

Features 2 heads; 1 motor; manual azimuth adjust; music search; LED meters; soft-touch controls; mike inputs; headphone jack; full auto-stop. W&F 0.05% WRMS; FR metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 73 dB Dolby C. 17 $\frac{1}{8}$ " W x 4 $\frac{1}{2}$ " H x 10" D \$230

PIONEER ELECTRONICS

CT-A9 X Cassette Deck

3-head cassette deck with Reverse Master Mechanism. Features Dolby B; Dolby C; dual capstans; bias fine tuning; auto azimuth adjust; direct drive; remaining-time counter; music search; output level control; memory stop/play; soft-touch controls; headphone jack; auto rec mute; auto tape select; timer standby; ribbon sendust heads. W&F 0.018% WRMS; FR ferric

30-19,000 Hz \pm 3 dB, high bias 25-20,000 Hz \pm 3 dB, metal 25-21,000 Hz \pm 3 dB; line-input sens for 0-dB reading 63 mV; line output level with 0-dB indication 630 mV. 18" W x 5 $\frac{1}{8}$ " H x 14 $\frac{1}{8}$ " D; 21 lbs, 1 oz \$800

CT-A7X Cassette Deck

3-head cassette deck with Reference Master Mechanism. Features Dolby B; Dolby C; dual capstans; auto azimuth adjust; remaining-time counter; music search; soft-touch controls; auto rec mute; Ribbon sendust heads; auto tape loader; auto tape select; timer standby. W&F 0.028% WRMS; FR ferric 30-19,000 Hz \pm 3 dB, high bias 25-19,000 Hz \pm 3 dB, metal 25-20,000 Hz \pm 3 dB; line-input sens for 0-dB reading 63 mV; line output level with 0-dB indication 630 mV. 18" W x 5 $\frac{1}{8}$ " H x 14 $\frac{1}{8}$ " D; 17 lbs, 7 oz \$500

CT-Z99W Double Cassette Deck

Double cassette deck with Dolby B. Features 3 heads; high-speed dubbing; synchro start; relay play; auto fader; 7-band graphic equalizer; 4 motors; music search; LED meters; soft-touch controls; mike inputs; rec mute. Black. FR metal 25-17,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 55 dB no NR. 16 $\frac{1}{16}$ " W x 6 $\frac{1}{8}$ " H x 12 $\frac{1}{8}$ " D; 17 lbs, 7 oz \$500

CT-S99WR (BK) Double Cassette Deck

Double cassette deck with auto reverse, Dolby B, C, and dbx. Features high-speed dubbing; synchro recording; relay play; auto tape selector; auto editing



copy; 7-band graphic equalizer; 6 motors; music search; LED meters; rec mute. Black. FR metal 25-18,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 58 dB no NR. 16 $\frac{1}{16}$ " W x 4" H x 12 $\frac{1}{8}$ " D; 14 lbs, 10 oz \$450

CT-S88R (BK) Auto-Reverse Cassette Deck

Programmable auto-reverse cassette deck with Dolby B and C and dbx. Features 2 heads; 3 motors; auto tape selector; fluorescent meters; music search; blank skip; mike inputs; headphone jack; rec mute. Black. W&F 0.06% WRMS; FR metal 25-18,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 58 dB no NR. 16 $\frac{1}{16}$ " W x 4" H x 12 $\frac{1}{8}$ " D; 12 lbs, 2 oz \$325

CT-S77W (BK) Double Cassette Deck

Double cassette deck with Dolby B and C. Features high-speed dubbing; synchro start; relay play; 2 motors; LED meters; soft-touch controls. Black. W&F 0.07% WRMS; FR metal 25-17,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 58 dB no NR. 16 $\frac{1}{16}$ " W x 4 $\frac{1}{8}$ " H x 10 $\frac{1}{8}$ " D; 10 lbs, 9 oz \$240

CT-S66R (BK) Auto-Reverse Cassette Deck

2-head auto-reverse cassette deck with Dolby B and C and dbx. Features 3 motors; music search; LED meters; mike inputs; rec mute. W&F 0.08% WRMS; FR metal 25-17,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 58 dB no NR. 16 $\frac{1}{16}$ " W x 4" H x 8 $\frac{1}{8}$ " D; 8 lbs, 6 oz \$230

CT-S55R (BK) Auto-Reverse Cassette Deck

2-head auto-reverse cassette deck with Dolby B and C. Features 3 motors; LED meters; mike inputs. Black. W&F 0.08% WRMS; FR metal 25-17,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 58 dB no NR. 16 $\frac{1}{16}$ " W x 4" H x 8 $\frac{1}{8}$ " D; 8 lbs, 6 oz \$200

CT-S44 (BK) dbx Cassette Deck

2-head cassette deck with Dolby B and C and dbx. Features 1 motor; LED meters; soft-touch controls; mike inputs. Black. W&F 0.07% WRMS; FR metal 30-15,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 57 dB no

NR. 16 $\frac{1}{16}$ " W x 4 $\frac{1}{8}$ " H x 8 $\frac{3}{4}$ " D; 7 lbs, 11 oz \$175

CT-S22 (BK) Dolby B and C Cassette Deck

2-head cassette deck with Dolby B and C. Features 1 motor; soft-touch controls; mike inputs. Black. W&F 0.07% WRMS; FR metal 30-15,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 57 dB no NR. 16 $\frac{1}{16}$ " W x 4 $\frac{1}{8}$ " H x 8 $\frac{3}{4}$ " D; 7 lbs, 8 oz \$150

CT-S11 Cassette Deck

Stereo cassette deck with cue & review; one-touch recording; black finish. W&F 0.07 WRMS; metal 30-15,000 Hz \pm 3 dB; S/N (A-wtd) high bias: 57 dB no NR; 16 $\frac{1}{16}$ " W x 4 $\frac{1}{8}$ " H x 8 $\frac{3}{4}$ " D; 7 lbs, 1 oz \$115

Wired Remote Controls

JT-216. \$50
JT-217. \$50

PIONEER VIDEO

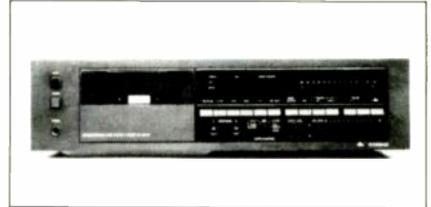
CT-V70 Double Auto-Reverse Cassette Deck

Features 4 heads; 6 motors; auto reverse; Dolby B; Dolby C; dbx; elapsed-time counter; music search; blank skip; memory stop/play; LED meters; soft-touch controls; headphone jack; rec mute; high speed dubbing; parallel record; synchro record; random programable play and record. W&F 0.06% WRMS; FR ferric 25-17,000 Hz \pm 3 dB, high bias 25-17,000 Hz \pm 3 dB, metal 25-18,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 57 dB no NR, 67 dB Dolby B, 76 dB Dolby C, 92 dB dbx, high bias: 57 dB no NR, 67 dB Dolby B, 76 dB Dolby C, 92 dB dbx, metal: 57 dB no NR, 67 dB Dolby B, 76 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 63 mV; 16 $\frac{1}{16}$ " W x 4" H x 12 $\frac{1}{8}$ " D; 14.2 lbs \$420

PROTON

740 Auto-Reverse Cassette Deck

Full-logic controlled cassette deck with Dolby B, C, and dbx. Features 2 heads; 1 motor; auto bias/EQ; elapsed-time counter; music search; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; sleep timer function; 9 program memory selection; adaptable to a timer for playback or record. W&F 0.05%



WRMS; FR ferric 25-16,000 Hz \pm 3 dB, high bias 25-18,000 Hz \pm 3 dB, metal 25-19,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 49 dB no NR, 58.5 dB Dolby B, 68 dB Dolby C, 78 dB dbx, high bias: 53 dB no NR, 62 dB Dolby B, 71.5 dB Dolby C, 85 dB dbx, metal: 52 dB no NR, 60 dB Dolby B, 70 dB Dolby C, 95 dB dbx; line-input sens for 0-dB reading 90 mV; line output level with 0-dB indication 700 mV; mike input sens 0.35 mV \$330

720 Dolby B and C Cassette Deck

Stereo cassette deck with Dolby B and C. Features soft-touch operation; one-touch record; bias circuit to reduce crosstalk and channel separation; defeatable MPX filter; LED record indicators; balance control; mike inputs; headphone jack; mike/line mixing capability. W&F 0.8%; FR ferric, 30-17,000 Hz \pm 3 dB; high bias, 17,000 Hz \pm 3 dB; metal, 30-18,000 Hz \pm 3 dB; at 3.0% distortion level with A or CCIR/ARM ferric, 65.5 dB with Dolby B, 74 dB with C; high bias, 69.5 dB with Dolby B; 78 dB with C; metal, 69.5 dB with Dolby B, 78 dB with C \$240

RCA

MTR-120 Dimensia Cassette Deck

Auto-reverse cassette deck with automatic status indication, switching and control indication; system

record protection logic; system link cabling; screen displays for volume mute (volume graphics) and all deck functions. Features Dolby B; Dolby C; dual capstans; music search; output level control; soft-touch controls; mike inputs; headphone jack; rec mute. Programmable for 15 tracks and works with Dimensia 256 function remote control. W&F 0.06% WRMS; FR ferric 20-16,000 Hz ± 3 dB, high bias 20-18,000 Hz ± 3 dB, metal 20-19,000 Hz ± 3 dB; S/N (A-WTD); metal: 59 dB no NR, 68 dB Dolby B, 74 dB Dolby C; line-input sens for 0-dB reading 55 mV 200 kohms or more; line output level with 0-dB indication 500 mV 50 kohms or more; mike input sens 0.4 mV. 17 $\frac{1}{2}$ " W \times 4 $\frac{1}{2}$ " H \times 11 $\frac{1}{2}$ " D; 10 lbs \$349

MTR-115 Digital Command Cassette Deck

Features 2 heads; 2 motors; Dolby B; Dolby C; output level control; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; remote control (through RCA system). W&F 0.05% WRMS; FR ferric 20-15,000 Hz ± 3 dB, high bias 20-16,000 Hz ± 3 dB, metal 20-17,000 Hz ± 3 dB; S/N (A-wtd) metal: 58 dB no NR, 65 dB Dolby B, 73 dB Dolby C; line-input sens for 0-dB reading 55 mV; line output level with 0-dB indication 500 mV; mike input sens 0.4 mV. 17 $\frac{1}{2}$ " W \times 4 $\frac{1}{2}$ " H \times 11 $\frac{1}{2}$ " D; 9 lbs; approx \$200

REALISTIC

SCT-80 Dolby B & C Cassette Deck

Features 2 heads; auto-reverse; auto bias selector; slide-action record level controls; auto-record mute; record, pause indicators; 3-digit tape counter; $\frac{1}{4}$ " mike and headphone jacks; high-speed auto music search; 2-color 8-segment peak LED meters. FR 40-16,000 Hz ± 3 dB metal, 40-15,000 Hz ± 3 dB high bias and normal, W&F 0.07% WRMS; S/N 72 dB Dolby C; dist 1.5% 3rd HD. 4" \times 17" \times 10 $\frac{1}{4}$ " \$239

SCT-60 Double Cassette Deck

Features 2 heads (each deck); Dolby B & C; high-speed dubbing; soft-touch controls; full auto-stop; bias selector for both decks; record mute; separate record level controls; LED power indicator; 3-digit tape counter; $\frac{1}{4}$ " mike and headphone jacks; auto continuous-play mode; 2-color 5-LED peak level meters. FR 40-14,000 Hz ± 3 dB metal, 40-13,000 Hz ± 3 dB high bias, 40-12,000 Hz ± 3 dB normal; W&F 0.1% WRMS; S/N 70 dB Dolby C; dist 1.2% 3rd HD. 5" \times 16 $\frac{1}{2}$ " \times 8 $\frac{1}{2}$ " \$200

SCT-72 Double Cassette Deck

Features 2 heads (each deck); Dolby B; high-speed dubbing; light-touch controls; bias selector (both decks); auto-stop (both decks); separate slide-action record level controls; LED power and record indicators; 3-digit tape counter; $\frac{1}{4}$ " mike and headphone jacks; auto continuous-play mode; 2-color 5-LED peak level meters. FE 60-14,000 Hz ± 5 dB metal, 60-12,500 Hz ± 5 dB high bias; 60-10,000 Hz ± 5 dB normal; W&F 0.12% WRMS; dist 1, 3rd HD. 4 $\frac{1}{4}$ " \times 16 $\frac{1}{2}$ " \times 8 $\frac{1}{2}$ " \$160

SCT-43 Dolby B & C Cassette Deck

Features 2 heads; auto music search; 2-color 5-LED peak level meters; soft-touch controls; separate record level controls; tape counter; $\frac{1}{4}$ " mike and headphone jacks. FR 40-14,000 Hz ± 3 dB metal, 40-13,000 Hz ± 3 dB high bias, 40-12,000 Hz ± 3 dB normal; W&F 0.17% WRMS; S/N 67 dB Dolby C; dist 1.5% 3rd HD. 4 $\frac{1}{4}$ " \times 15 $\frac{1}{2}$ " \times 9 $\frac{1}{2}$ " \$140

SCT-35 Dolby B Cassette Deck

Features 2 heads; L/R record level controls; dual-color peak level meters; auto-stop; tape counter; pause; soft-eject door; bias selector; $\frac{1}{4}$ " mike and headphone jacks. FR 40-14,000 Hz ± 3 dB metal and high bias, 40-12,000 Hz ± 3 dB normal; W&F < 0.09% WRMS; dist 1.3% 3rd HD. 4 $\frac{1}{4}$ " \times 15 $\frac{1}{2}$ " \times 8 $\frac{1}{2}$ " \$100

SCP-25 Playback Cassette Deck

Features auto-reverse; Dolby B; cue/review; bias selector; tape direction and Dolby LEDs. 4 $\frac{1}{4}$ " \times 9 $\frac{1}{2}$ " \times 5 $\frac{1}{2}$ "; simulated walnut sides \$100

SCT-34 Compact Cassette Deck

Record/play deck with auto-level for recording. Features bias selector; pause; auto-stop; 3-digit tape counter; record LED; $\frac{1}{4}$ " mike jacks. 4 $\frac{1}{4}$ " \times 8 $\frac{1}{4}$ " \times 5 $\frac{1}{2}$ "; simulated walnut sides \$70

SCP-30 Playback Cassette Deck

Features soft-touch controls; bias selector; auto-stop; soft-eject door; pause. 4 $\frac{1}{2}$ " \times 8" \times 5 $\frac{1}{4}$ "; simulated walnut sides \$50

8-Track Cartridge Player

TR-169 8-Track Cartridge Player

8-track cartridge player with continuous play.

auto/manual program change, and adjustable output level control. 4" \times 10" \times 7"; simulated walnut sides \$50

REVOX

B215 Cassette Deck

Cassette deck with 3 microprocessors for control of bias, level, EQ, transport, and real-time counter. Features 3 heads; 4 motors; digital storage of bias, level, EQ settings for 6 tape formulations; manual or auto record-level setting; die-cast transport chassis; azimuth-stable pivoting headblock; 2 programmable locate buttons; loop mode; auto start-of-record locate. Counter computes elapsed time on partially wound

Frank Serafine—
Motion Picture
Sound Designer/Mustelan
Credits: *Top Gun*, *Die Hard*
and *III*, *Brainstorm*,
Ice Pirates

Steve Gilbard—
Concert Sound Engineer
Tasco Sound Ltd.
Credits: *Madonna*

Ian Falk—
Recording Engineer
Studio City Sound
Credits: *M. Jarreau*,
Sheena Easton

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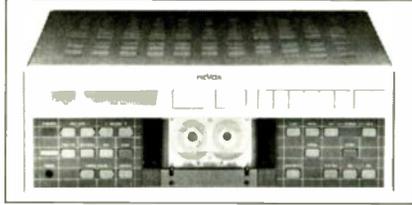
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CIRCLE NO. 28 ON READER SERVICE CARD

tapes. W&F 0.1% WRMS; FR ferric 30-18,000 Hz ± 3 dB, high bias and metal 30-20,000 Hz ± 3 dB; S/N (A-wtd) ferric: 55 dB no NR, 64 dB Dolby B, 70 dB Dolby C, high bias: 57 dB no NR, 65 dB Dolby B,



72 dB Dolby C, metal: 58 dB no NR, 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 775 mV; 17.7" W \times 6" H \times 13" D \$1,400

ROTEL

RD850 Stereo Cassette Deck

Cassette deck with Sendust rec/play head, ferrite core erase head. Features soft-touch controls; LED meters; Dolby B and C NR; mike inputs; DC servo motors; headphone jack. W&F 0.08% WRMS; FR ferric 30-17,000 Hz ± 3 dB, high bias 30-17,000 Hz ± 3 dB, metal 30-18,000 Hz ± 3 dB; S/N high bias: 55 dB no NR, 64 dB Dolby B, 72 dB Dolby C; 17" W \times 4 $\frac{1}{2}$ " H \times 10 $\frac{1}{2}$ " D; 9.1 lbs \$199

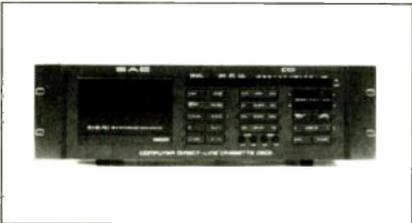
SAE

C2 Dolby B and C Cassette Deck

Stereo cassette deck with full logic transport control system. Features LED meters, Dolby B and C NR, mike inputs, memory stop/play; remote control optional for \$50. W&F 0.06%; FR ferric 30-14,000 Hz ± 3 dB; high bias, 30-16,000 Hz ± 2.5 dB; metal, 30-18,000 Hz ± 2.5 dB. S/N ferric 52 dB no NR, 60 dB Dolby B, 68 dB Dolby C; S/N high bias 55 dB no NR, 63 dB Dolby B, 70 dB Dolby C; S/N metal 57 dB no NR, 65 dB Dolby B, 70 dB Dolby C. Line-input level for 0-dB meter indication 57 mV; line-input level with 0-dB indication 350 mV; 16.5" W \times 14" H \times 4.2" H; 11 lbs \$299

C101 Cassette Deck

Full-logic microprocessor cassette deck. Features 3 heads; 2 motors; LED meters; Dolby B; Dolby C; memory stop/play; Sendust heads; remote control optional. W&F 0.06% WRMS; FR ferric 20-20,000 Hz ± 3



dB for all tape types. S/N S/N high bias: 55 dB no NR, 66 dB Dolby B, 75 dB Dolby C; line-input level for 0-dB reading 70 mV; line-output level with 0-dB indication 650 mV; 19" W \times 5.25" H \times 12.5" D; 17 lbs \$650

C102 Cassette Deck

Full-logic microprocessor cassette deck. Features tape transport encased in electronic sliding drawer; 2 heads; 2 motors; Dolby B; Dolby C; manual azimuth adjust; elapsed-time counter; remaining-time counter; music search; blank skip; memory stop/play; LED meters; rec mute; Sendust heads. W&F 0.06% WRMS; FR 20-20,000 Hz for all tape types; S/N (A-wtd) high bias: 55 dB no NR, 65 dB Dolby B, 74 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 650 mV \$429

SAMSUNG

TD-3320 Cassette Deck

Cassette deck with 2 heads; 1 motor; Dolby B; manual azimuth adjust; LED level meters; soft-touch controls;

mike inputs; 3-position tape bias and EQ; digital tape counter. W&F 0.1% WRMS; FR ferric 31-14,000 Hz ± 3 dB, high bias 30-15,000 Hz ± 3 dB, metal 30-16,000 Hz ± 3 dB; S/N (A-wtd) ferric: 50 dB no NR, 55 dB Dolby B; high bias: 55 dB no NR, 60 dB Dolby B; metal: 57 dB no NR, 65 dB Dolby B; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 300 mV; mike input sens 1 mV; mike input overload 100 mV. 16 $\frac{1}{8}$ " W \times 4 $\frac{1}{2}$ " H \times 10 $\frac{1}{4}$ " D; 9.3 lbs \$89

SANSUI

D-905R Auto-Reverse Cassette Deck

Auto-reverse cassette deck with 3 heads and 2 motors. Features auto bias/EQ; Dolby B; Dolby C; bias fine tuning; direct drive; elapsed time counter; remaining time counter; music search; blank skip; output level control; LED meters; headphone jack; rec



mute; random music program search; electronic tape tension control system; timer switch; optional wired remote. W&F 0.038% WRMS; FR metal 20-19,000 Hz; S/N A-weighted metal 60 dB no NR, 68 dB Dolby B NR, 82 dB Dolby C NR. 17 $\frac{1}{8}$ " W \times 4 $\frac{1}{8}$ " H \times 11 $\frac{1}{4}$ " D; 11 lbs \$699

D-909R Auto-Reverse Cassette Deck

Quick auto-reverse microprocessor-controlled cassette deck with Dolby B and C and dbx NR. Features built-in 5-band graphic equalizer; Introskip Play; blank search; peak level meter; pitch control ($\pm 5\%$); electronic 4-digit tape counter and real-time display; 15-selection Auto Music Program Search; quiet pause switch; 3 motors; 2 heads; wired remote control. W&F 0.04%; signal-to-noise ratio 78 dB with Dolby C; frequency response 20-19,000 Hz with metal tape. Black or silver \$649

D-W10 Double Cassette Deck

Double auto-reverse high-speed dubbing cassette deck. Features 2 heads and 2 motors for each transport; Compu-Edit; 16-track RMPS; 15-track Automatic Music Program Search; auto fader; rec cancel; intro skip; timer record/play; manual and auto level controls; auto bias/EQ; Dolby B; Dolby C; dual capstans; auto azimuth adjust; elapsed-time counter; music search; blank skip; memory stop/play; LED meters; mike inputs; headphone jack; rec mute; black or silver. W&F 0.05% WRMS; FR metal 30-17,000 Hz ± 3 dB; S/N (A-wtd) metal: 57 dB no NR, 66 dB Dolby B, 73 dB Dolby C. 16 $\frac{1}{4}$ " W \times 4 $\frac{3}{8}$ " H \times 12" D; 13.4 lbs \$499

D-95WR Double Cassette Deck

Double auto-reverse high-speed dubbing cassette deck. Features 2 heads and 2 motors in each transport; normal or double-speed dubbing; Compu-Edit; relay play; 15-track RMPS; rec cancel; program skip; intro skip; auto fader; auto level control; auto bias/EQ; Dolby B; Dolby C; auto azimuth adjust; elapsed-time counter; music search; blank skip; headphone jack; rec mute; black or silver. W&F 0.06% WRMS; FR metal 20-17,000 Hz ± 3 dB S/N 78 dB Dolby C. 16 $\frac{1}{8}$ " W \times 4 $\frac{1}{8}$ " H \times 8 $\frac{1}{8}$ " D; 11.9 lbs \$480

D-W9 Double Cassette Deck

Stereo cassette deck with 2 transports for simultaneous or sequential recording. Features full-logic controls; 15-selection Random Music Program Search; 3-function memory; Dolby B and C NR; auto bias and EQ; 4-sec record mute; auto leader bypass; timer record and playback capability; 6-segment peak level display; auto level control. FR 30-18,000 Hz; W&F 0.04% WRMS; S/N 78 dB with Dolby C. 14 lbs; black or silver \$449

D-75CW Double Cassette Deck

High-speed dubbing deck with auto program search, Compu-Edit, and Compu-Selector system. Features direct drive; dual capstans; soft-touch controls; Dolby B and C NR; rec mute; auto bias/EQ set; memory stop/play. W&F 0.05% WRMS; FR metal 20-16,000 Hz ± 3 dB; S/N 78 dB Dolby C. Black or silver \$380

D-75BW Double Cassette Deck

Dual-transport stereo cassette deck with Compu-Edit for synchronization with some Sansui turntables. Features separate record/play and play-only transports; Auto Music Program Search; play one transport while recording on other; full IC-logic transport controls; auto level control; Compu-Selector for 1-touch operation with some Sansui amplifiers/receivers; provision for external timer operation. W&F 0.05% WRMS; FR 20-16,000 Hz ± 3 dB S/N 68 dB Dolby B. Black or silver \$270

D-65CR Auto-Reverse Cassette Deck

Bidirectional record/play stereo cassette deck with Compu-Edit to make recording easy with Sansui turntables. Features Auto Level Control; Auto Music Program Search; IC-controlled transport; Compu-Selector system; Dolby B. Black or silver. W&F 0.05% WRMS; FR 20-16,000 Hz ± 3 dB; S/N 78 dB with Dolby C \$240

D-35CF. Unidirectional version of D65CR. Features Dolby C NR; S/N 78 dB. Black or silver \$180

D-35BF. Similar to D-35CF with soft-touch controls. Lacks Dolby C \$160

SANYO

RDW 77 Double Cassette Deck

Dual-transport cassette deck with auto reverse. Features high-speed dubbing; Dolby B; metal tape capability; auto stop; 3 heads. W&F 0.1% WRMS; FR high bias 40-15,000 Hz ± 3 dB, metal 40-16,000 Hz ± 3 dB; S/N (A-wtd) metal: 57 dB no NR, 65 dB Dolby B. 16.5" W \times 4" H \times 8.9" D \$200

RDW55 Double Cassette Deck

Auto-reverse double cassette deck with synchronized and high-speed dubbing. Features 2 heads; 1 motor; Dolby B; manual azimuth adjust; LED meters; mike in puts; soft-touch mechanism; continuous play; headphone jack. W&F 0.1% WRMS; FR ferric 40-12,500 Hz, high bias 40-13,000 Hz, metal 40-14,000 Hz, all ± 3 dB; S/N (A-wtd) metal 60 dB Dolby B; line-input sens for 0-dB reading 100 mV; line output level with 0-dB (Dolby level) in dication 400 mV; mike input sens 0.5 mV \$130

RDW 44 Double Cassette Deck

Dual-transport cassette deck with synchronized dubbing. Features Dolby B; metal tape capability; 3 heads. W&F 0.1% WRMS; FR high bias 40-15,000 Hz ± 3 dB, metal 40-16,000 Hz ± 3 dB; S/N (A-wtd) metal: 57 dB no NR, 65 dB Dolby B \$100

RDW40 Double Cassette Deck

Double cassette deck with auto bias/EQ for transport A. Features 2 heads; 1 motor; Dolby B; synchronized dubbing; direct loading; manual azimuth adjust; LED meters; soft-touch mechanism. W&F 0.1% WRMS; FR ferric 40-12,500 Hz, high bias 40-13,000 Hz, metal 40-14,000 Hz, all ± 3 dB; S/N (A-wtd) metal 60 dB Dolby B; line-input sens for 0-dB reading 100 mV; line output level with 0-dB (Dolby level) indication 500 mV. 16 $\frac{1}{2}$ " W \times 5" H \times 8" D; 5.5 lbs \$80

RDS37 Dolby B & C Cassette Deck

Cassette deck with auto bias/EQ. Features 2 heads; 1 motor; Dolby B; Dolby C; direct loading; manual azimuth adjust; LED meters. W&F 0.1% WRMS; FR ferric 40-14,000 Hz, high bias 40-15,000 Hz, metal 40-16,000 Hz, all ± 3 dB; S/N (A-wtd) metal 60 dB Dolby B, 70 dB Dolby C; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 500 mV. 16 $\frac{1}{2}$ " W \times 5" H \times 7" D; 4 $\frac{1}{8}$ lbs \$80

RDS27 Dolby B Cassette Deck

Cassette deck with Dolby B. Features 2 heads; 1 motor; Dolby B; Dolby C; manual azimuth adjust; LED

meters; mike inputs; headphone jack. W&F 0.1% WRMS; FR ferric 40-12,000 Hz, high bias 40-14,000 Hz, metal 40-15,000 Hz, all ± 3 dB; S/N (A-wtd) metal 62 dB Dolby B; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 400 mV. $16\frac{1}{2}''$ W \times $4\frac{1}{4}''$ H \times $7\frac{1}{4}''$ D; 5 lbs. \$70
RDS17. Similar to RDS27 except $15''$ W \times $5''$ H \times $7''$ D \$60

SCOTT

695DD Dubbing Cassette Deck

IC logic cassette deck with random programming playback. Features 2 heads; 4 motors; Dolby B; Dolby C; elapsed-time counter; remaining-time counter; music search; blank skip; output level control; memory stop/play; mike inputs; headphone jack; rec mute; 3-way mixing; high speed dubbing; repeat play; tape standby; auto Dolby off; timer play/rec; fluorescent level meters; metal tape compatibility. W&F 0.04% WRMS; FR ferric 30-14,000 Hz ± 3 dB, high bias 30-15,000 Hz ± 3 dB, metal: 30-16,000 Hz ± 3 dB; S/N (A-wtd) metal 58 dB no NR, 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV; mike input sens 0.4 mV. $17''$ W \times $4\frac{1}{4}''$ H \times $10\frac{1}{2}''$ D; 10.5 lbs. \$400

685DD High-Speed Dubbing Cassette Deck

Features 2 heads; 2 motors; Dolby B; elapsed-time counter; output level control; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; continuous playback damped eject; mixing; record; timer start; metal compatibility; auto play after rewind. W&F 0.08% WRMS; FR ferric 30-14,000 Hz ± 3 dB, high bias 30-15,000 Hz ± 3 dB, metal 30-16,000 Hz ± 3 dB; S/N (A-wtd) metal: 58 dB no NR, 66 dB Dolby B; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV. $17''$ W \times $4\frac{1}{4}''$ H \times $10\frac{1}{2}''$ D; 9.5 lbs. \$300

655DD Dubbing Cassette Deck

Features 2 heads; 2 motors; Dolby B; elapsed-time counter; output level control; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; continuous playback; metal tape compatibility; timer record/play; damped eject. W&F 0.08% WRMS; FR ferric 30-14,000 Hz ± 3 dB, high bias 30-15,000 Hz ± 3 dB, metal 30-16,000 Hz ± 3 dB; S/N (A-wtd) metal: 58 dB no NR, 66 dB Dolby B; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 500 mV. $17''$ W \times $4\frac{1}{4}''$ H \times $11''$ D; 9 lbs. \$230

645D Dolby B Cassette Deck

Features 1 head; 1 motor; elapsed-time counter; output level control; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; cue/review; metal compatibility. W&F 0.045% WRMS; FR metal 25-17,000 Hz ± 3 dB; S/N (A-wtd), metal: 66 dB Dolby B. $17''$ W \times $4\frac{1}{4}''$ H \times $10''$ D; 7.5 lbs. \$175

SEARS ROEBUCK

LXI-9324 Dolby B & C Cassette Deck

Dual cassette deck with high-speed dubbing. Features 4 heads; 2 motors; manual azimuth adjust; elapsed-time counter; LED meters; soft-touch controls; mike inputs; headphone jack. W&F 0.1% WRMS; FR ferric 20-16,000 Hz ± 3 dB, high bias 20-16,000 Hz ± 3 dB, metal 20-16,000 Hz ± 3 dB; S/N (A-wtd) ferric: 50 dB no NR, 60 dB Dolby B, 70 dB Dolby C, high bias: 50 dB no NR, 60 dB Dolby B, 70 dB Dolby C, metal: 50 dB no NR, 60 dB Dolby B, 70 dB Dolby C; line-input sens for 0-dB reading 90 mV; line output level with 0-dB indication 500 mV; mike input sens 0.4 mV. $16\frac{1}{2}''$ W \times $5''$ H \times $8\frac{3}{4}''$ D; 11 lbs. \$150

LXI-9320 Dolby B Cassette Deck

Dual cassette deck with record/play. Features 4 heads; 2 motors; manual azimuth adjust; elapsed-time counter; LED meters; mike inputs; headphone jack. W&F 0.1% WRMS; FR ferric 45-14,000 Hz ± 3 dB, high bias 40-15,000 Hz ± 3 dB, metal 40-16,000 Hz ± 3 dB; S/N (A-wtd) ferric 50 dB no NR, 60 dB Dolby B, high bias: 50 dB no NR, 60 dB Dolby

B, metal: 50 dB no NR, 60 dB Dolby B; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 400 mV; mike input sens 0.5 mV. $16\frac{1}{2}''$ W \times $5''$ H \times $8\frac{3}{4}''$ D; 11 lbs. \$100

SHARP

RT-350 Auto-Reverse Cassette Deck

Stereo cassette deck with Dolby B and C NR and auto reverse. Features full-logic control; auto program search; intro-scan; blank tape pass to skip blanks > 30 sec; auto tape selector for metal, CrO₂, normal tapes; 2-color LED peak-level meters. W&F 0.07% wrms; FR 40-15,000 Hz ± 3 dB metal, 30-13,000 CrO₂, 40-12,000 normal tape; S/N Dolby off 57 dB, with Dolby B up 10 dB over 5 kHz, with C up 20 dB 1-10 kHz. $16\frac{3}{16}''$ W \times $9\frac{1}{4}''$ D \times $4\frac{1}{4}''$ H; 12.8 lb. \$240

RT-1010 Double Cassette Deck

Double cassette deck with high speed dubbing, continuous playback. Features synchronous dubbing start; soft-eject; 3 heads; 2 motors; Dolby B; music search; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute. W&F 0.07% WRMS; FR ferric 40-13,000 Hz ± 3 dB, high bias 40-14,000 Hz ± 3 dB, metal 40-16,000 Hz ± 3 dB; S/N (A-wtd) high bias: 56 dB no NR, 66 dB; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 550 mV; mike input sens 0.2 mV. Available in black or silver. $17''$ W \times $4\frac{1}{4}''$ H \times $8\frac{1}{16}''$ D; 8.2 lbs. \$200
RT-1010 (BK). Black \$200

RT-360 Auto-Reverse Cassette Deck

Stereo cassette deck with quick auto reverse mechanism. Features; full logic controls; automatic program search system; metal tape capability; intro-scan function; 2 heads; 1 motor; Dolby B; Dolby C; blank skip; LED meters; soft-touch controls; mike inputs; headphone jack. W&F 0.06% WRMS; FR ferric 40-13,000 Hz ± 3 dB, high bias 40-14,000 Hz ± 3 dB, metal 40-15,000 Hz ± 3 dB; S/N (A-wtd) high bias: 57 dB no NR, 67 dB Dolby B, 77 dB, line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 550 mV; mike input sens 0.2 mV. $17''$ W \times $4\frac{1}{4}''$ H \times $8\frac{3}{4}''$ D; 7.5 lbs. \$190

RT-W600 (BK) Double Cassette Deck

3-head cassette deck with two transports for copying tapes and mixing recorded sound with mike inputs. Features 2 electronically controlled DC motors; Dolby B; high-speed (half time) dubbing; independent left/right record-level controls; metal/chrome/normal tape selector; 2-color 10-LED meters; mike inputs; headphone jack; rec mute; black. W&F 0.09% WRMS; FR ferric 50-11,000 Hz ± 3 dB, high bias 50-12,000 Hz ± 3 dB, metal 50-13,000 Hz ± 3 dB; S/N (A-wtd, with all tape types) 52 dB no NR, 62 dB Dolby B; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 550 mV; mike input sens 0.2 mV. $16\frac{1}{16}''$ W \times $5\frac{1}{16}''$ H \times $8\frac{1}{16}''$ D; $7\frac{1}{2}''$ lbs. \$150
RT-W600 (S). Silver \$150

RT-320 (S) Auto-Reverse Cassette Deck

Auto-reverse cassette deck with Dolby B and C. Features 2 heads; 1 electronically controlled DC motor; permalloy record, play-back head; metal, chrome/normal tape selector; 2-color 10-LED meters; soft-touch controls; mike inputs; headphone jack. W&F 0.08% WRMS; FR ferric 50-12,000 Hz ± 3 dB, high bias 50-13,000 Hz ± 3 dB, metal 50-14,000 Hz ± 3 dB; S/N (A-wtd, with all tape types) 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 550 mV; mike input sens 0.2 mV. $16\frac{1}{16}''$ W \times $4\frac{1}{16}''$ H \times $8\frac{3}{16}''$ D; 7.1 lbs. \$150

RT-310 Auto-Reverse Cassette Deck

Auto-reverse stereo cassette deck with metal tape capability. Features soft-eject, cassette door; 2 heads; 1 motor; Dolby B; Dolby C; LED meters; mike inputs; headphone jack; W&F 0.09% WRMS; FR ferric 50-11,000 Hz ± 3 dB, high bias 50-12,000 Hz ± 3 dB, metal 50-13,000 Hz ± 3 dB; S/N (A-wtd) high bias:

52 dB no NR, 62 dB Dolby B, line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 550 mV; mike input sens 0.2 mV. $15\frac{1}{4}''$ W \times $4\frac{1}{4}''$ H \times $9\frac{1}{16}''$ D; 6.4 lbs. \$120

RT-160 (S) Dolby B & C Cassette Deck

Soft-touch cassette deck with Dolby B and C. Features 2 heads; 1 electronically controlled DC motor; permalloy record/play-back head; metal/chrome/normal tape selector; independent left/right record-level controls; 2-color 10-LED meters; mike inputs; headphone jack. W&F 0.07% WRMS; FR ferric 40-12,000 Hz ± 3 dB, high bias 40-13,000 Hz ± 3 dB, metal 40-14,000 Hz ± 3 dB; S/N (A-wtd, with all tape types) 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 550 mV; mike input sens 0.2 mV. $15\frac{1}{4}''$ W \times $4\frac{1}{4}''$ H \times $9\frac{1}{4}''$ D; 6.4 lbs. \$110
RT-120 (S). Similar to RT-160, but without Dolby C \$90

RT-110 (S). Similar to RT-120, but with W&F 0.1%; FR ferric to 11,000 Hz, high bias to 12,000 Hz, metal to 13,000 Hz; S/N 52 dB no NR, 62 dB Dolby B; $8\frac{3}{4}''$ D; 5.7 lbs. \$80

SHERWOOD

S-250 CP Dolby B/C Cassette Deck

Metal-capable stereo cassette deck with Dolby B and C NR. Features Dynalloy tape heads; normal/CrO₂/metal tape selector; soft-touch transport controls; 12-segment LED level meters. W&F < 0.06% WRMS; FR 30-19,000 Hz +1/-3 dB; S/N > 76 dB with Dolby C; THD 3%; $17\frac{1}{2}''$ W \times $15\frac{1}{2}''$ D \times $4\frac{1}{4}''$ H. \$250

S-260R Auto-Reverse Cassette Deck

Cassette deck with 3-mode auto reverse. Features 2 heads; Dolby B; Dolby C; bias fine tuning; music search; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; auto music search; permalloy head; function indicators; damped cassette door. W&F 0.08% WRMS; FR ferric 25-16,000 Hz ± 3 dB, high bias 25-16,500 Hz ± 3 dB, metal 25-17,500 Hz ± 3 dB; S/N (A-wtd) high bias: 56 dB no NR, 65 dB Dolby B, 73 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 500 mV; mike input sens 0.7 mV. $17.3''$ W \times $4.5''$ H \times $11''$ D; 14.8 lbs. \$250

S-270 DD Double Cassette Deck

Metal-capable cassette deck with Dolby NR. Features 2 heads; bias fine tuning; 3-digit counter; LED meters; permalloy head; soft-touch controls; mike inputs; headphone jack; high-speed dubbing; continuous playback; mike mixing; one-touch dubbing; function indicators; damped cassette doors; separate L/R input level controls. W&F 0.10% WRMS; FR ferric 30-15,500 Hz ± 3 dB, high bias 30-16,000 Hz ± 3 dB, metal 30-16,500 Hz ± 3 dB; S/N (A-wtd) high bias: 56 dB no NR, 65 dB Dolby B; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 500 mV; mike input sens 0.7 mV. $17.3''$ W \times $4.5''$ H \times $11''$ D; 14 lbs. \$230

S-150 Stereo Cassette Deck

Metal-compatible cassette deck with Dolby B NR. Features 7-part LED meters; pushbutton selection of metal, CrO₂, normal bias and EQ; soft-touch controls; backlit cassette well; LED indicators for pause, play, record; Dynalloy record/play head; DC motor. FR 30-16,000 Hz ± 3 dB; S/N 67 dB with CrO₂ tape and Dolby B. $17\frac{1}{4}''$ W \times $13\frac{1}{2}''$ D \times $4\frac{1}{4}''$ H. \$220

S-160 Cassette Deck

Cassette deck with auto music search. Features 2 heads; Dolby B; Dolby C; bias fine tuning; elapsed-time counter; music search; LED meters; permalloy head; soft-touch controls; mike inputs; headphone jack; rec mute; audio muting; metal tape capable; function indicators; damped cassette door; separate L/R level controls. W&F 0.08% WRMS; FR ferric 30-15,500 Hz ± 3 dB, high bias 30-16,000 Hz ± 3 dB, metal 30-16,500 Hz ± 3 dB; S/N (A-wtd) high bias: 56 dB no NR, 65 dB Dolby B; 73 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level

with 0-dB indication 500 mV; mike input sens 0.7 mV. 17.3" W x 4.5" H x 11" D; 13 lbs. \$180

S-95 Cassette Deck

Metal-capable cassette deck with Dolby B and C. Features 2 heads; bias fine tuning; elapsed-tape counter; LED meters; permalloy head; soft-touch controls; mike inputs; headphone jack; function indicators; damped cassette door; separate L/R level controls.



W&F 0.08% WRMS; FR ferric 30-15,500 Hz \pm 3 dB, high bias 30-16,000 Hz \pm 3 dB, metal 30-16,500 Hz \pm 3 dB; S/N (A-wtd) high bias: 56 dB no NR, 65 dB Dolby B; 73 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 500 mV; mike input sens 0.7 mV. 17.3" W x 4.5" H x 11" D; 13 lbs. \$160

S-90 Stereo Cassette Deck

Metal-capable deck with high-Beta permalloy heads. Features soft-touch controls, LED meters, Dolby B, 2 mike inputs, DC servo motor, headphone jack; W&F 0.1%; FR metal 30-16,000 Hz \pm 3 dB; S/N metal 63 dB Dolby B. \$150

SONY

TC-K66SES Three-Head Cassette Deck

3-head direct-drive cassette deck with variable bias and EQ. Features direct drive; dual capstan; closed loop; LED meters; Dolby B and C NR; DC servo motors; rec mute; headphone jack; auto bias/EQ; memory stop/play; remote control option. \$25. W&F 0.025% A-wtd; FR ferric 20-18,000 Hz \pm 3 dB; high bias 20-19,000 Hz \pm 3 dB; metal 20-20,000 Hz \pm 3 dB. S/N: ferric 58 dB no NR, 64 dB Dolby B, 70 dB Dolby C; high bias, 60 dB no NR, 67 dB Dolby B, 73 dB Dolby C; metal, 62 dB no NR, 68 dB Dolby B, 74 dB Dolby C; line-input level for 0-dB meter indication 775 mV; line-output level with 0-dB indication 435 mV; 26 lb; 17" W x 4 1/4" H x 15 1/2" D. \$650

TC-K55SES Three-Head Cassette Deck

Three-head cassette deck. Features dual capstans; closed-loop; LED meters; Dolby B and C NR; DC servo motors; rec mute; headphone jack; memory stop/play; remote control option \$25. W&F 0.04% A-wtd; FR ferric, 25-16,000 Hz \pm 3 dB; high bias, 25-18,000 Hz \pm 3 dB; metal, 25-19,000 Hz \pm 3 dB; S/N ferric 56 dB no NR, 63 dB Dolby B, 69 dB Dolby C; high bias, 58 dB no NR, 65 dB Dolby B, 72 dB Dolby C; line-input level for 0-dB meter indication 77.5 mV; line-output level with 0-dB indication 435 mV; 17" W x 4 1/4" H x 11 1/4" D; 13 lb., 8 oz. \$500

TC-K501R Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; auto bias/EQ; Dolby B; Dolby C; auto Dolby calibration; dual capstans; elapsed-time counter; music search; blank skip; memory stop/play; LED meters; feather-touch controls; mike inputs; headphone jack; rec mute; wireless remote; automatic record level control. W&F 0.04% WRMS; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-17,000 Hz \pm 3 dB, metal 30-17,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 54 dB no NR, 61 dB Dolby B, 67 dB Dolby C; high bias: 58 dB no NR, 65 dB Dolby B, 71 dB Dolby C; metal: 59 dB no NR, 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 4 1/4" H x 13" D; 13 lbs. \$450

TC-FX520R Auto-Reverse Cassette Deck

Features 2 heads; 2 motors; auto bias/EQ; Dolby B; Dolby C; dual capstans; elapsed-time counter; music search; blank skip; memory stop/play; LED meters; feather-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.045% WRMS; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-17,000 Hz \pm 3 dB, metal 30-17,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 53 dB no NR, 60 dB Dolby B, 66 dB Dolby C;

high bias: 57 dB no NR, 64 dB Dolby B, 70 dB Dolby C; metal: 58 dB no NR, 65 dB Dolby B, 71 dB Dolby C; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 4 1/4" H x 13" D; 11 lbs. \$270

TC-FX420R Auto Reverse Cassette Deck

Features 2 heads; 1 motor; auto bias/EQ; Dolby B; Dolby C; feather-touch controls; cue & review; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.045% WRMS; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-17,000 Hz \pm 3 dB, metal 30-17,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 53 dB no NR, 60 dB Dolby B, 66 dB Dolby C; high bias: 57 dB no NR, 64 dB Dolby B, 70 dB Dolby C; metal: 58 dB no NR, 65 dB Dolby B, 71 dB Dolby C; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 4 1/4" H x 13" D; 9 lbs. \$200

TC-FX320R Auto Reverse Cassette Deck

Features 2 heads; 1 motor; auto bias/EQ; Dolby B; Dolby C; cue and review; memory stop play; LED meters; feather-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.05% WRMS; FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-16,000 Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 53 dB no NR, 60 dB Dolby B, 66 dB Dolby C; high bias: 57 dB no NR, 64 dB Dolby B, 70 dB Dolby C; metal: 58 dB no NR, 65 dB Dolby B, 71 dB Dolby C; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 4 1/4" H x 13" D; 8 lbs. \$160

TC-FX220R Dolby B Cassette Deck

Features 2 heads; 1 motor; auto bias/EQ; LED meters; soft-touch controls; mike inputs; headphone jack. FR ferric 30-13,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-15,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 53 dB no NR, 60 dB Dolby B; high bias: 57 dB no NR, 64 dB Dolby B; metal: 58 dB no NR, 65 dB Dolby B; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 4 1/4" H x 13" D; 7 lbs. \$120

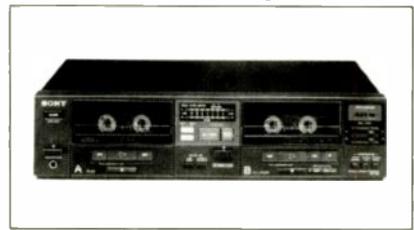
Double Cassette Decks

TC-V77WR Cassette Deck

Double cassette deck with high-speed dubbing. Features 2 heads; 2 motors; auto reverse; auto bias/EQ; Dolby B; Dolby C; elapsed-time counter; music search; blank skip; memory stop/play; LED meters; feather-touch controls; headphone jack; rec mute; wireless remote. W&F 0.45% WRMS; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-17,000 Hz \pm 3 dB, metal 30-17,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 54 dB no NR, 61 dB Dolby B, 67 dB Dolby C; high bias: 58 dB no NR, 65 dB Dolby B, 71 dB Dolby C; metal: 59 dB no NR, 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 3 1/4" H x 14" D; 15 lbs. \$479

TC-W5 Double Cassette Deck

Features 2 heads; 1 motor; auto reverse; auto bias/EQ; Dolby B; Dolby C; music search; LED meters; feather-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.05% WRMS; FR ferric 30-14,000 Hz \pm 3 dB, high bias 30-16,000



Hz \pm 3 dB, metal 30-16,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 53 dB no NR, 60 dB Dolby B, 66 dB Dolby C; high bias: 57 dB no NR, 64 dB Dolby B, 70 dB Dolby C; metal: 58 dB no NR, 65 dB Dolby B, 71 dB Dolby C; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. \$250

TC-W3 Double Cassette Deck

Features 2 heads; 1 motor; auto reverse; auto bias/EQ; Dolby B; LED meters; soft-touch controls; mike inputs; headphone jack. FR ferric 30-13,000 Hz \pm 3 dB, high bias 30-15,000 Hz \pm 3 dB, metal 30-15,000 Hz \pm 3 dB; S/N (A-wtd) ferric: 53 dB no NR, 60 dB Dolby B; high bias: 57 dB no NR, 64 dB Dolby B; metal: 58 dB no NR, 65 dB Dolby B; line-input sens for 0-dB reading 77.5 mV; line output level with 0-dB indication 0.44 mV. 17" W x 4 1/4" H x 14" D; 9 lbs. \$200

TANDBERG

TCD 3014A Cassette Deck

8-bit, 32K, E-PROM microprocessor-controlled stereo cassette deck with 4 servo-controlled tape-transport motors. Has scan to play, scan to stop, auto rewind, auto replay, timer record/play functions. Features 3 heads; Dolby B and C; azimuth alignment; bias adjustment; record current adjustment utilizing built-in test system; linear motor to position heads and pinch-



rollers to tape; instant "flying start" record/play; Dyneq® record equalization; Actilinear II® headroom-extension system; peak-reading meters; cue and review at half speed; real time/real revolution counter; LED indication of all transport functions. Wireless infrared remote control with built-in receiver included. Rosewood side panels and rack mounts available. \$1,450

TEAC

R-999X Dolby B/C/dbx Cassette Deck

Direct-drive stereo cassette deck. Features dual capstan; soft-touch controls; LED meters; mike inputs; DC servo motor; rec mute; headphone jack; memory stop/play. W&F 0.25% WRMS; FR ferric, 30-19,000 Hz; high bias, 30-20,000 Hz; metal, 30-21,000 Hz; S/N 92 dB dbx; 432 mm W x 119 H x 350 H; 8.5 kg. \$899

V-900X 3-Head Cassette Deck

Features Dolby B; Dolby C; dbx; dbx disc; bias fine tuning; program search; auto tape select; DC configuration amplifier; FL peak level meters; direct capstan drive; auto calibration; multi-function tape counter; intro check; monitor sync; timer rec/play switch. W&F 0.028%; FR 30-21,000 Hz; S/N 92 dB with dbx. \$725

R-777X Dolby B/C/dbx Cassette Deck

Direct-drive stereo cassette deck with double Dolby NR. Features dual capstan; LED meters; headphone jack; memory stop/play. W&F 0.03% WRMS; FR ferric, 30-18,000 Hz; high bias, 30-19,000 Hz; metal, 30-20,000 Hz; S/N 91 dB dbx; 432 mm W x 119 H x 350 H; 8 kg. \$650

R-888X Auto-Reverse Cassette Deck

Three-head cassette deck. Features 3 motors; Dolby B; Dolby C; dbx; elapsed-time counter; output level control; memory stop/play; LED meters; headphone jack; rec mute. W&F 0.04% WRMS; FR ferric 20-18,000 Hz \pm 3 dB, high bias 20-20,000 Hz \pm 3 dB, metal 20-21,000 Hz \pm 3 dB; S/N (A-wtd) metal 70 dB Dolby B, 80 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 60 mV; line output level with 0-dB indication 0.5 mV. 17" W x 7 1/8" H x 13 1/2" D; 17 lbs. \$600

V-800X 3-Head Cassette Deck

Features Dolby B; Dolby C; dbx; dbx disc; bias fine tuning; program search; auto tape select; DC configuration amplifier; FL peak level meters; multi-function tape counter; timer rec/play switch. W&F 0.035%; FR 25-20,000 Hz; S/N 92 dB with dbx \$599

V-700 3-Head Cassette Deck

Features Dolby B; Dolby C; bias fine tuning; program search; auto tape select; FL peak level meters; multi-function tape counter; bi-polar power supply. W&F 0.035%; FR 25-20,000 Hz; S/N 79 dB with Dolby C \$500

R-666X Auto-Reverse Cassette Deck

Stereo cassette deck with Dolby B and C and dbx NR. Features servo capstan; soft-touch controls; LED meters; mike inputs; DC servo motor; rec mute; headphone jack. W&F 0.45% WRMS; FR ferric, 30-16,000 Hz; high bias, 30-17,000 Hz; metal, 30-18,000 Hz; S/N 90 dB dbx; 432 mm W x 110 H x 270 D; 3.8 kg \$459

R-555 Auto-Reverse Cassette Deck

Stereo cassette deck with Dolby B and C NR. Features LED meters; mike inputs; soft-touch controls; rec mute; memory stop/play. W&F 0.045% WRMS; FR ferric, 30-16,000 Hz; high bias, 30-17,000 Hz; metal, 30-18,000 Hz; S/N 73 dB Dolby C; 432 mm W x 110 H x 270 D; 3.8 kg \$360

V-530X Dolby B/C/dbx Cassette Deck

Features LED meters; mike inputs; soft-touch controls; DC servo motor; rec mute; headphone jack; memory stop/play. W&F 0.045% WRMS; FR ferric 30-16,000 Hz; high bias, 30-17,000 Hz; metal, 30-19,000 Hz; S/N 90 dB dbx; 432 mm W x 110 H x 270 D; 4.9 kg \$350

V-430X Dolby B/C/dbx Cassette Deck

Features LED meters; mike inputs; soft-touch controls; DC servo motor; headphone jack. W&F 0.045% WRMS; FR ferric, 30-16,000 Hz; high bias, 30-17,000 Hz; metal, 30-19,000 Hz; S/N 90 dB dbx; 432 mm W x 110 H x 270 D; 4.9 kg \$280

V-360C Dolby B & C Cassette Deck

Features LED meters; mike inputs; soft-touch controls; DC servo motor; rec mute; headphone jack. W&F 0.05% WRMS; FR ferric, 30-15,000 Hz; high bias, 30-16,000 Hz; metal, 30-16,000 Hz; S/N 70 dB Dolby C; 432 mm W x 110 H x 270 H; 3.6 kg \$230

V-330 Dolby B Cassette Deck

Features LED meters; mike inputs; soft-touch controls; rec mute; headphone jack. W&F 0.05% WRMS; FR ferric, 30-15,000 Hz; high bias, 30-16,000 Hz; metal, 30-16,000 Hz; S/N 65 dB Dolby B; 432 mm W x 110 H x 270 D; 3.6 kg \$200

TECHNICS**RS-B100 3-Head Cassette Deck**

Rack-mountable cassette deck with 3 motors. Features direct drive; double capstan; closed loop transport; quartz-locked; microprocessor-feather-touch controls; Dolby B and C; dbx NR; FL meters; bias and rec level calibration; phase compensation circuitry; linear feedback; amorphous heads; mike inputs; DC servo motors; rec mute; memory stop/play. Remote control optional for \$35. W&F 0.002% WRMS; FR ferric 20-19,000 Hz \pm 3 dB, high bias 20-21,000 Hz \pm 3 dB, metal 20-23,000 Hz \pm 3 dB; S/N high bias, 60 dB no NR; 70 dB Dolby B; 78 dB Dolby C; 92 dB dbx; 16 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 10 $\frac{1}{4}$ " D; 12.3 lbs \$800

RS-B85 3-Head Cassette Deck

Cassette deck with linear-feedback and phase-compensation circuits. Features AX Amorphous combination head system; 2 motors; microprocessor logic control; auto bias/EQ; Dolby B; Dolby C; dbx; bias fine tuning; remaining time counter; music search; output level control; 3-color fluorescent meters; feather-touch controls; headphone jack; optional remote control. FR ferric 20-20,000 Hz \pm 3 dB, high bias 20-

21,000 Hz \pm 3 dB, metal 20-22,000 Hz \pm 3 dB; S/N (A-wtd) 60 dB no NR, 70 dB Dolby B, 78 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 60 mV (> 47,000 ohms). 16 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 11" D; 11.5 lbs \$480

RS-B78R Auto-Reverse Cassette Deck

Quick-reverse record/play deck with Dolby B and C and dbx. Features microprocessor control; thrust-hold rotary head for uniformity of performance and reliability in both directions; quick infrared-sensing reverse; versatile mode/direction selection; blank skip (10 sec) on playback; music repeat and random access DMS (direct music sheet) for up to 12 selections on each side of tape; FL meters; mike inputs; DC servo motor; auto reverse; rec mute; headphone jack. Remote control optional. W&F 0.004% WRMS; FR ferric 20-18,000 Hz; high bias, 20-19,000 Hz; metal, 20-20,000 Hz; S/N high bias 58 dB no NR; 68 dB Dolby B; 76 dB Dolby C; 92 dB dbx; 16 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 10 $\frac{1}{4}$ " D \$400

RS-B49R Auto-Reverse Cassette Deck

Auto-reverse cassette deck with Dolby B and C and dbx. Features 2 heads; 1 motor; auto bias/EQ; music search; blank skip; 3-color fluorescent meters; feather-touch controls; mike inputs; headphone jack; electronic tape counter; timer capable. FR ferric 20-16,000 Hz \pm 3 dB, high bias and metal 20-17,000 Hz \pm 3 dB; S/N (A-wtd) 57 dB no NR, 67 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 60 mV (> 47,000 ohms); mike input sens 0.25 mV; mike input overload 400-10,000 ohms. 16 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 9" D; 7.9 lbs \$290

RS-B33W Cassette Deck

Double cassette deck with AX Amorphous head. Features 2 heads in rec/play transport. 1 head in play transport; 1 motor in each transport; auto bias/EQ; Dolby B; Dolby C; dbx; soft-touch controls; mike inputs; headphone jack; synchro start; series play; mike mixing; fluorescent meters. FR ferric 20-17,000 Hz \pm 3 dB, high bias and metal 20-18,000 Hz \pm 3 dB; S/N (A-wtd) 57 dB no NR, 67 dB Dolby B, 72 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 60 mV (zero > 47,000 ohms); mike input sens 1 mV; mike input overload 400-10,000 ohms. 16 $\frac{1}{4}$ " W x 4 $\frac{1}{4}$ " H x 9 $\frac{1}{4}$ " D; 9.5 lbs \$280

RS-B28R Auto-Reverse Cassette Deck

Cassette deck with Dolby B and C. Features 2 heads; 1 motor; auto bias/EQ; music search; LED meters; feather-touch controls; mike inputs; headphone jack; timer capable. FR ferric 20-16,000 Hz \pm 3 dB, high bias and metal 20-17,000 Hz \pm 3 dB; S/N (A-wtd) 57 dB no NR, 67 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 60 mV (zero > 47,000 ohms); mike input sens 0.25 mV; mike input overload 400-10,000 ohms. 16 $\frac{1}{4}$ " W x 3 $\frac{3}{4}$ " H x 9" D; 7.9 lbs \$220

RS-B11W Double Cassette Deck

High-speed, double-well dubbing cassette deck. Features real-time or double-speed dubbing; mike mixing; Dolby B; copies Dolby tapes without undesirable double-Dolby encoding; FL meters; mike inputs; DC servo motor; headphone jack. W&F 0.07% WRMS; FR ferric, 20-16,000 Hz; high bias, 20-17,000 Hz; metal, 20-18,000 Hz. S/N high bias 57 dB no NR, 67 dB Dolby B; 16 $\frac{1}{4}$ " W x 4 $\frac{1}{4}$ " H x 9 $\frac{1}{4}$ " D \$210

RS-B18 dbx Cassette Deck

Cassette deck with Dolby B and C and dbx NR. Features soft-touch controls; one-touch recording; FL meters; mike inputs; DC servo motor; headphone jack. W&F 0.07% WRMS; FR ferric 20-16,000 Hz; high bias, 20-17,000 Hz; metal, 20-17,000 Hz; S/N high bias 57 dB no NR; 67 dB Dolby B; 75 dB Dolby C; 92 dB dbx; 16 $\frac{1}{4}$ " W x 4 $\frac{1}{4}$ " H x 8 $\frac{1}{4}$ " D; 7.1 lbs \$180

RS-B24W Double Cassette Deck

Features 2 heads; Dolby B; dubbing; counter for number of turns; peak level indicators; 3 preset bias EQ positions. FR 40-14,000 Hz \pm 3 dB chrome; S/N 56 dB no NR, 66 dB Dolby B; W&F 0.08% WRMS; 7.68 lbs \$180

RS-B14 Dolby B and C Cassette Decks

Cassette deck with Dolby B and C NR. Features soft-touch controls; FL meters; mike inputs; DC servo motor; headphone jack. W&F 0.07%; FR ferric, 20-16,000 Hz; high bias, 20-17,000 Hz; metal, 20-17,000 Hz; S/N high bias 57 dB no NR; 67 dB Dolby B; 75 dB Dolby C; 16 $\frac{1}{4}$ " W x 4 $\frac{1}{4}$ " H x 8 $\frac{1}{4}$ " D; 6.8 lbs \$150

RS-B12 Stereo Cassette Deck

Cassette deck with soft-touch, one-touch recording. Features FL meters; Dolby B; mike inputs; DC servo motor; headphone jack. W&F 0.07 WRMS; FR ferric 20-15,000 Hz; high bias, 20-16,000 Hz; metal, 20-17,000 Hz; S/N high bias 56 dB no NR; 66 dB Dolby B; 16 $\frac{1}{4}$ " W x 4 $\frac{1}{4}$ " H x 8 $\frac{1}{4}$ " D; 6.8 lbs \$130

UHER of AMERICA**CR-240 Portable Cassette Deck**

Compact front-loading portable cassette deck with Dolby noise-reduction system, low-wear motor with electronic control, 2 contrarotating flywheels, and built-in loudspeaker for mono monitoring. Features auto start after fast-forward or rewind; autoend-of-tape shut-off; switchable auto level control; remote control accessory; clock timer operation; separate or tandem (mechanical coupling) record level controls; twin peak-reading level meters for record and playback with meter illumination and 3 LED function indicators; battery check with quick-action switch; built-in condenser mike; linear stereo power amplifier; stereo headphone jack; joystick control for selection of 3 tape transport functions. W&F 0.2% DIN; FR 30-16,000 Hz; S/N 58 dB Dolby off with FeCr, 66 dB Dolby on with CrO₂ and FeCr, 65 dB Dolby on with normal tape; crosstalk -70 dB at 1 kHz, reverse track, -45 dB stereo; mike input 0.2 mV at 500 ohms source imp; power AC line, dry cells, rechargeable, or car battery \$1,389
CR-240AV. Audio-visual version of CR-240. \$1,427

CR-260AV Auto-Reverse Cassette Deck

Features 3 heads; 1 motor; dual capstans; manual azimuth adjust; elapsed time counter; mike inputs; headphone jack; DIN accessory facility for film dubbing; built-in monitor speaker; built-in mike; switchable auto level control. Operates on dry cells, 12 volt car battery or 120V AC. W&F 0.24% DIN; FR ferric 30-15,000 Hz \pm 3 dB, high bias 30-16,000 Hz \pm 3 dB; S/N ferric: 63 dB no NR; high bias: 58 dB no NR; line-input sens for 0-dB reading 600 mV; line output level with 0-dB indication 775 mV; mike input sens 0.2 mV. 23.5" W x 5.9" H x 18.5" D; 6 lbs \$1,285

CR 210 Portable Stereo Cassette Machine

4-track stereo cassette machine with auto-reverse playback; auto switching for chrome tapes and photo sens electronic controls of tape drive. Features built-in condenser mike; electronically regulated DC motor; on/off switch for FET auto level control; auto shut-off; remote control; record level indicator; illuminated cassette window; index counter. W&F \pm 0.12%; FR 20-16,000 Hz; S/N > 58 dB; inputs mike 0.2mV-200mV/500 ohm; sens imp: phono 15mV-15/1M; outputs > 500 ohm/15,000 level imp \$1,275

CR-160AV Portable Cassette Deck

Stereo cassette deck with Dolby B and C. Features 2 heads; 1 motor; manual azimuth adjust; mike inputs; headphone jack; LAC with two time constants; sep channel record level control; 3 built-in monitor speakers. Operates on dry cells, 12 V car battery or 120 V AC. W&F 0.2% DIN; FR ferric 30-16,000 Hz \pm 3 dB, high bias 30-16,000 Hz \pm 3 dB; S/N ferric: 64 dB no NR, 55 dB Dolby B; high bias: 66 dB no NR, 57 dB Dolby B; line-input sens for 0-dB reading 588 mV; line output level with 0-dB indication 775 mV; mike input sens 0.35 mV; mike input overload 20 mV. 9.3" W x 2.3" H x 7.3" D; 3 kg \$998

Accessories**F-423 Diapilot**

Self-contained unit for synchronized tape control operation of automatic slide projector for use with Uher

open-reel and cassette decks. DIN plug connector \$260

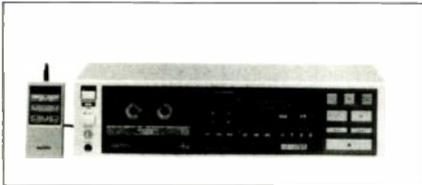
2-135 Power Supply/Charger

Power supply/charger unit for Uher cassette recorders \$107

ULTRX

RDR 81 Auto-Reverse Cassette Deck

Cassette deck with Dolby B and C and dbx NR. Features full-logic controls; switchable FM multiplex filter; optical density detector; wired remote control; auto music selection; auto intro scan; rec mute; timer standby; auto tape type selector; elapsed-time counter; remaining time counter; music search; out-



put level control; expanded-scale peak-hold fluorescent meters; headphone jack with level control. W&F 0.04%; FR ferric 20-15,000 Hz, high bias to 17,000 Hz, metal to 18,000 Hz, all ± 3 dB; S/N (A-wtd, with metal) 68 dB Dolby B, 76 dB Dolby C, 92 dbx; line-input sens for 0-dB reading 80 mV; line-output level with 0-dB indication 400 \$330

RDC 61 dbx Cassette Deck

Full-logic cassette deck with Dolby B and C NR and wired remote control. Features amorphous record/play head; 1 motor; auto-record mute (leaves 4 secs blank between tracks); blank search; timer standby; peak-hold fluorescent meters; auto rewind; auto tape select for ferric, high-bias, or metal tape; auto-music sel; MPX filter; mike inputs; manual azimuth adjust; headphone jack; rec mute; memory stop/play; elapsed- and remaining-time counter; remote control unit included. W&F 0.05% WRMS; FR ferric 20-16,000 Hz, to 18,000 with high bias, to 19,000 with metal, all ± 3 dB; S/N (A-wtd, metal) 69 dB Dolby B, 77 dB Dolby C, 93 dbx; line-input sens for 0-dB reading 80 mV; line-output level with 0-dB indication 400 mV; mike-input sens 0.3 mV \$270

RDC 41 dbx Cassette Deck

Full-logic cassette deck with wired remote control. Features 2 heads; 2 motors; Dolby B; Dolby C; auto tape type selector; peak-hold fluorescent meters; manual azimuth adjust; music search; mike inputs; headphone jack; rec mute. W&F 0.05% WRMS; FR ferric 20-14,000 Hz ± 3 dB, high bias 20-16,000 Hz ± 3 dB, metal 20-17,000 Hz ± 3 dB; S/N (A-wtd, metal tape) 68 dB Dolby B, 76 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV \$220

RDR 51 Auto-Reverse Cassette Deck

Full-logic auto-reverse cassette deck with Dolby B and C. Features 2 heads; 2 motors; auto tape-type selector; manual azimuth adjust; music search; LED meters; mike inputs; headphone jack. W&F 0.05% WRMS; S/N (A-wtd) metal: 62 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 440 mV; mike input sens 0.5 mV \$220

RDW 201 Double Cassette Deck

Dual-transport cassette deck with high-speed synchronized dubbing. Features 2 heads; 2 motors; full-logic controls; auto selection of normal, CrO₂, metal bias/EQ; manual azimuth adjust; pitch control; music search; continuous play; twin 7-segment LED meters; tape counter with reset button; headphone jack; mike jacks; rec mute. W&F 0.1% WRMS; FR ferric 30-14,000 Hz ± 3 dB, high bias and metal to 15,000 Hz; S/N (A-wtd) 62 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 450 mV; mike input sens 0.35 mV. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{16}$ " H \times 10 $\frac{1}{4}$ " D; 5.1 lbs \$220

RDR 31 Auto-Reverse Cassette Deck

Cassette deck with Dolby B. Features 2 heads; 1 motor; manual azimuth adjust; LED meters; mike inputs; headphone jack; soft-touch controls. W&F 0.08% WRMS; S/N (A-wtd, metal) 60 dB Dolby B; line-input sens for 0-dB reading 100 mV; line output level with 0-dB indication 400 mV; mike input sens 0.5 mV. 16 $\frac{1}{2}$ " W \times 4 $\frac{1}{16}$ " H \times 10 $\frac{1}{16}$ " D; 9.7 lbs .. \$170

RDC 21 Dolby B/C/dbx Cassette Deck

Cassette deck with soft-touch power-assist transport. Features 2 heads; 1 motor; manual azimuth adjust; music search; mike inputs; headphone jack. W&F 0.06% WRMS; FR ferric 30-13,000 Hz ± 3 dB, high bias 30-15,000 Hz ± 3 dB, metal 30-16,000 Hz ± 3 dB; S/N (A-wtd) metal: 67 dB Dolby B, 75 dB Dolby C, 92 dB dbx; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV \$170

RDC 11 Dolby B & C Cassette Deck

Soft-touch cassette deck. Features 2 heads; 1 motor; manual azimuth adjust; music search; mike inputs; headphone jack. W&F 0.06% WRMS; FR ferric 30-13,000 Hz ± 3 dB, high bias 30-14,000 Hz ± 3 dB, metal 30-15,000 Hz ± 3 dB; S/N (A-wtd) metal: 67 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 80 mV; line output level with 0-dB indication 400 mV; mike input sens 0.3 mV \$150

VECTOR RESEARCH

VCX-650 Dolby B & C Cassette Deck

Cassette deck with 3 heads and built-in 5-band record/play graphic equalizer. Features LED meters; Dolby B and C NR; mike inputs; DC servo motor; rec mute; headphone jack; memory stop/play. W&F 0.04%; FR ferric 20-18,000 Hz ± 3 dB; high bias, 20-19,000 Hz ± 3 dB; metal, 20-20,000 Hz ± 3 dB; S/N metal 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; 17" W \times 4 $\frac{3}{4}$ " H \times 14" D \$500

VCX-450 Auto-Reverse Cassette Deck

Cassette deck with multi-skip music search. Features dual capstan; LED meters; Dolby B and C NR; mike inputs; DC servo motor; rec mute; headphone jack; memory stop/play. W&F 0.07%; FR ferric, 20-16,000 Hz ± 3 dB; high bias, 20-17,000 Hz ± 3 dB; metal, 20-18,000 Hz ± 3 dB; S/N metal 55 dB no NR, 65 dB Dolby B, 75 dB Dolby C \$380

VCX-250 Dolby B & C Cassette Deck

Power-assisted 1-motor cassette deck with music search. Features mike inputs; DC servo motor; rec mute; headphone jack. W&F 0.06%; FR ferric, 30-15,000 Hz ± 3 dB; high bias, 30-16,000 Hz ± 3 dB; metal, 30-17,000 Hz ± 3 dB; S/N metal 55 dB no NR, 65 dB Dolby B, 75 dB Dolby C \$230

VCX-350 Dubbing Cassette Deck

High speed dubbing cassette deck with auto start. Features synchronized dubbing. W&F 0.07% WRMS; FR ferric 30-14,000 Hz ± 3 dB, high bias 30-16,000 Hz ± 3 dB, metal 30-18,000 Hz ± 3 dB; S/N (A-wtd) Ferric: 63 dB Dolby B, 72 dB Dolby C; high bias: 64 dB Dolby B, 73 dB Dolby C; metal: 64 dB Dolby B, 73 dB Dolby C. 17" W \times 4 $\frac{1}{2}$ " H \times 11" D; 11 lbs \$230

VCX-220 Dolby B & C Cassette Deck

Power assist cassette deck with record level and balance control. Features 2 heads; 1 motors; LED meters; mike inputs; headphone jack; cue and review. W&F 0.05% WRMS; FR ferric 40-12,000 Hz ± 3 dB, high bias 40-14,000 Hz ± 3 dB, metal 40-17,000 Hz ± 3 dB; S/N (A-wtd) ferric: 55 dB no NR, 64 dB Dolby B, 74 dB Dolby C, high bias: 57 dB no NR, 64 dB Dolby B, 74 dB Dolby C, metal: 57 dB no NR, 64 dB Dolby B, 74 dB Dolby C. 17" W \times 4 $\frac{1}{2}$ " H \times 11" D; 8 lbs \$160

YAMAHA

K-600 Auto-Reverse Cassette Deck

Auto-reverse stereo cassette deck with Dolby B and C NR. Features dual capstans; soft-touch controls; LED

meters; mike inputs; 2 DC servo motors; rec mute; auto fade; headphone jack; auto bias/EQ set; memory stop/play; intro scan; music search; blank skip; remote control optional for \$50. W&F 0.05% A-wtd; FR ferric 30-16,000 Hz ± 3 dB, high bias 30-18,000 Hz ± 3 dB, metal 30-19,000 Hz ± 3 dB; S/N high bias: 59 dB no NR, 67 dB Dolby B, 75 dB Dolby C; line-input level for 0-dB reading 60 mV; line-output level with 0-dB indication 350 mV; 17 $\frac{1}{4}$ " W \times 4 $\frac{1}{2}$ " H \times 11 $\frac{1}{4}$ " D; 11 $\frac{1}{2}$ lb; black or silver finish . \$349
K-520. Similar to K-600 without auto-reverse and dual-capstan drive \$299
K-320. Similar to K-520 without auto bias/EQ and LED meters \$219

K-1020 3-Head Cassette Deck

Cassette deck with closed loop transport. Features 3 motors; auto bias/EQ; Dolby B; Dolby C; Dolby HX Pro; dbx; dual capstans; bias fine tuning; manual azimuth adjust; direct drive; elapsed-time counter; remaining-time counter; music search; output level control; memory stop/play; fluoroscan meters; soft-touch controls; headphone jack; rec mute; optional wired remote and rack mount adapters; dual speed FF/RW; master fader; optimum record bias tuning; pure sendust record/playback heads. W&F 0.03% WRMS; FR ferric 20-18,000 Hz ± 3 dB, high bias 20-20,000 Hz ± 3 dB, metal 20-23,000 Hz ± 3 dB; S/N (A-wtd) high bias: 59 dB no NR, 67 dB Dolby B, 75 dB Dolby C, 95 dB dbx; line-input sens for 0-dB reading 40 mV; line output level with 0-dB indication 360 mV. 17 $\frac{1}{4}$ " W \times 5 $\frac{1}{4}$ " H \times 15" D; 16 $\frac{1}{2}$ lbs . \$599

K-720 Auto-Reverse Cassette Deck

Cassette deck with 15 programmable selection recording and random playback. Features 3 heads; 3 motors; auto bias/EQ; Dolby B; Dolby C; Dolby HX Pro; dbx; manual azimuth adjust; elapsed-time counter; remaining-time counter; music search; blank skip; memory stop/play; fluoroscan meters; soft-touch controls; mike inputs; headphone jack; rec mute; optional wired remote; repeat auto fader; bi-directional record; intro scan; auto source change; sendust record/playback head. W&F 0.04% WRMS; FR ferric 30-17,000 Hz ± 3 dB, high bias 30-19,000 Hz ± 3 dB, metal 30-20,000 Hz ± 3 dB; S/N (A-wtd) high bias: 59 dB no NR, 67 dB Dolby B, 75 dB Dolby C, 90 dB dbx, line-input sens for 0-dB reading 45 mV; line output level with 0-dB indication 360 mV; mike input sens 0.4 mV \$449

K-600 Auto-Reverse Cassette Deck

Cassette deck with car EQ and sendust record/playback head. Features 3 heads; 3 motors; auto bias/EQ; Dolby B; Dolby C; manual azimuth adjust; elapsed-time counter; remaining-time counter; music search; blank skip; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; optional wired remote. W&F 0.04% WRMS; FR ferric 30-17,000 Hz ± 3 dB, high bias 30-19,000 Hz ± 3 dB, metal 30-20,000 Hz ± 3 dB; S/N (A-wtd) high bias: 59 dB no NR, 67 dB Dolby B, 75 dB Dolby C; line-input sens for 0-dB reading 45 mV; line output level with 0-dB indication 360 mV; mike input sens 0.4 mV \$349

K-420. Similar to K-600 except without sendust head, real-time counter, car EQ, blank skip, memory stop/play \$249

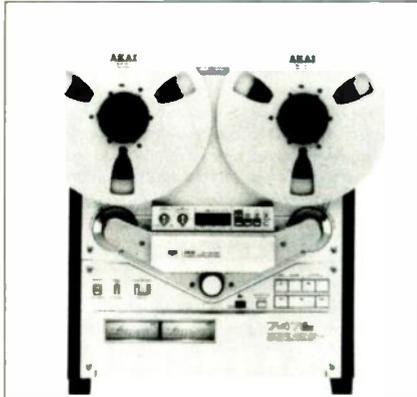
K-520 Dolby B & C Cassette Deck

Cassette deck with record/playback heads. Features 2 heads; 2 motors; auto bias/EQ; manual azimuth adjust; elapsed-time counter; remaining-time counter; music search; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; optional wired remote. W&F 0.04% WRMS; FR ferric 30-18,000 Hz ± 3 dB, high bias 30-19,000 Hz ± 3 dB, metal 30-20,000 Hz ± 3 dB; S/N (A-wtd) high bias: 59 dB no NR, 68 dB Dolby B, 78 dB Dolby C; line-input sens for 0-dB reading 45 mV; line output level with 0-dB indication 360 mV; mike input sens 0.4 mV. 17 $\frac{1}{4}$ " W \times 4 $\frac{1}{2}$ " H \times 11 $\frac{1}{4}$ " D; 10 lbs \$299
K-320. Similar to K-520 except without sendust head and real-time counter \$219
K-220. Similar to K-320 except without auto bias/EQ, music search \$179

AKAI

GX-747 Auto-Reverse Open-Reel Deck

Open-reel 4-track, 2-ch, ec/playstereo/mono 10 1/2" deck with EE tape capability and type I dbx NR. Features full-logic feather-touch controls; tape/source monitoring; auto tension-arm lock system; electronic



digital real-time counter with memory; fine bias adjustment; pitch control; timer recording and playback capability; auto mute; remote control terminal \$1,400
Dust cover \$57.50
RC-90, Full-function wireless remote control... \$115
RC-21, Remote control \$39.95

GX-77D Auto-Reverse Open-Reel Tape Deck

Open-reel 4-track, 2-ch, rec/play stereo/mono 7" deck with EE tape capability. Features 2-color LED peak-hold meters; tape/source; power loading system; digital electronic real-time counter; fine bias-adjust control; timer rec/play capability; remote-control capability. Tape speeds 7 1/2, 3 3/4 ips; W&F < 0.03% WRMS at 7 1/2 ips; S/N > 63 dB at 7 1/2 ips, DIN 45500 standard; FR 25-33,000 Hz ± 3 dB at 7 1/2 ips; distortion < 0.5% at 7 1/2 ips; 17.2" W × 9.6" H × 8.9" D; 37.5 lb \$795
RC-90, Full-function wireless remote control... \$115
RC-21, Remote control \$39.95

GX-4000D Compact Tape Deck

Contains GX record and playback and separate erase heads, accommodates up to 7" reels. Features tape/source monitoring; mike/line mixing; sound-on-sound, sound-with-sound; track selector; auto stop; output level control; VU meters. Tape speeds 7 1/2 and 3 3/4 ips; W&F < 0.08% RMS at 7 1/2 ips; FR 30-24,000 Hz ± 3 dB at 7 1/2 ips; S/N > 60 dB wtd at wide-range tape setting with peak level at 3% THD; distortion < 1% at 1,000 Hz, 0 VU; 17.3" W × 12.4" H × 9.1" D; 29 lb \$400
Dust cover \$45.50

REVOX

PR99 MK II Stereo Tape Deck

Stereo half-track recorder with two speeds: 15- and 7 1/2-, or, alternatively, 7 1/2- and 3 3/4-ips. Features direct drive; servo-controlled capstan; electrically controlled reel motors; 10 1/2" reel capacity; balanced XLR line-in/out and switched cal/uncal level settings; high- or low-imp mike input (balanced, XLR option); 2-way Self-Sync with complete tape-editing facilities including tape dump; logic-controlled transport; true VU meters with LED peak indicators; tape/source monitoring; safe/ready record switches; 6-digit LED real-time counter; address locate; zero locate; variable speed control; manual/remote-control/fader-start operation. W&F 0.06% DIN at 15 ips, 0.08% at 7 1/2 ips, 0.1% at 3 3/4 ips; FR +2/-3 dB 30-22,000 Hz at 15 ips, to 20,000 Hz at 7 1/2 ips, to 16,000 Hz at 3 3/4 ips; S/N 66 dB at 15 and 7 1/2 ips, 63 dB at 3 3/4 ips; case or 19" rack mount; 19" W × 15.7" H × 7.9" D \$2,250
Console \$330
Carrying case \$225

877 MKII Stereo Tape Recorder

Stereo open-reel tape recorder with 3 motors. Two

speeds (choice of 3 3/4 and 7 1/2 ips, 7 1/2 and 15 ips, 1 3/8 and 1 1/4 ips, or 1 1/4 and 3 3/4 ips). Features 10 1/2" reel capacity; front-panel vari-speed control (± 2 semitones); integrated-drive-logic computer-type push-point function keys; built-in tape cutter; dual VU meters with peak level indicators; separate left/right record and input-level controls; tape monitor switch; provision for remote control of all functions and electric timer operation; connectors for remote control of tape transport functions, remote control of variable tape speed, and slide projector or crossfade unit. W&F (DIN 45507/IEEC 193-1971) 0.06% at 15 ips, 0.08% at 7 1/2 ips; FR +2/-3 dB 30-22,000 Hz at 15 ips, to 20,000 Hz at 3 3/4 ips, to 16,000 Hz at 3 3/4 ips; S/N on 1/4-track 63 dB at 15 and 7 1/2 ips, 60 dB at 3 3/4 ips; on 1/2-track 67 dB at 15 and 7 1/2, 64 dB at 3 3/4 ips; mic input level/imp 0.15 mV/2.2k ohms (lo position, 50-to-6000-ohm mics), 2.8 mV/110 k ohms (hi, 20k-ohm mics); 16.3" H × 17.8" W × 8.14" D \$1,799
877 Self Sync. Similar to B77; available in 3 3/4 and 7 1/2 ips or 7 1/2 and 15 ips speeds with playback possibility from record head \$1,899
877 Autostart. Same as B77 except with VOX control \$2,049
877 Slide Sync. Same as B77 except with additional head for slide projector control \$1,899

TANDBERG

TD20A SE Open-Reel Deck

Features record EQ curves allowing up to 80 dB S/N without NR (EQ switchable to NAB standard); Actilinear II record system; DynEQ headroom-extension system; active transconductance circuit for lower IMD; Sel Sync 4-motor solenoidless operation; phase-linearity network; push-button operation with LED indicators, including FREE position for easy tape editing and threading; standby position with LED when one or

both record buttons are engaged; electronically governed speed; optional wireless infrared remote control or conventional cord remote control; 4 line inputs and master control for fading in/out; 2-step front panel; wide-scale peak-reading meters; front-panel-accessible bias adjustment.
 1/4 track, 15 and 7 1/2 IPS \$1,395
 1/2 track, 15 and 7 1/2 IPS \$1,395
 1/4 track, 7 1/2 and 3 3/4 IPS \$1,395
Infrared wireless remote control \$100
Dust cover \$100

TEAC

X-2000R Open-Reel Deck

Open-reel stereo deck with 7 1/2 and 3 3/4 IPS speeds; Features dual-capstan transport; amorphous heads; LED tape counter; bias fine tuning; auto locator; STZ, STC, and block repeat. FR 25-30,000 Hz ± 3 dB at 7 1/2 IPS; W&F 0.03% WRMS at 7 1/2 IPS; THD 0.8% at 100 Hz; S/N 100 dB at 7 1/2 IPS with dbx; mike input sens 0.25 mV; line input sens 60 mV; output level 0.45 mV; 432 mm W × 456 H × 268 D; 22 kg; optional remote control unit (RC-204), optional Dupli sync (W/WR-200) black \$1,400

X-2000 Open-Reel Deck

Open-reel stereo deck with 7 1/2 and 3 3/4 IPS speeds. FR 25-30,000 Hz ± 3 dB at 7 1/2 IPS; W&F 0.03% WRMS at 7 1/2 IPS; THD 0.8% at 100 Hz; S/N 100 dB at 7 1/2 IPS with dbx; mike input sens 0.25 mV; line input sens 60 mV; output level 0.45 mV; 432 mm W × 456 H × 268 D; 22 kg; black \$1,400

X-700R EE Open-Reel Deck

Bi-directional record/play stereo open-reel deck with dual-capstan closed-loop transport and built-in dbx. Features magnetfloat capstan bearings; EE tape capability; full-logic transport control; ± 6% pitch control;

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- Bi-directional Record/Play with dbx and Dolby B&C
 Sanyo RD7 Metal Tape with Dolby \$44
- JVC KDV100 Logic controlled transport \$64
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- Teach X7MKII Below Dealer Cost \$279

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- Technics Disc Player \$199

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Open-Reel Tape Decks 6 Open-Reel Tape Decks

manual cueing; independent 2-stage bias/EQ selectors; timer rec/play capability; FR 30-34,000 Hz (at 7 1/2 IPS); S/N 95 dB with dbx; W&F 0.03% (7 1/2 IPS, WRMS) \$950

X-300R EE Open-Reel Deck

Stereo open-reel deck with bidirectional playback and 3-motor transport. Features EE tape capability; 3 heads; light-touch locking transport control; rec mute; Independent L/R output; line and mic input-level controls; tape/source monitor selector; mic/line mixing; front-panel mic and headphone jacks. FR 30-34,000 Hz at 7 1/2 IPS; S/N 65 dB at 3% THD; W&F 0.04%, 7 1/2 IPS WRMS \$690

X-300 EE Open-Reel Deck

Open-reel deck with 3 motors: EE tape capability; light-touch locking transport controls; mike/line mixing; rec mute; independent left and right output controls; line and mike input level controls; tape/source monitor; front-panel mike and headphone jacks. S/N 65 dB at 3% THD; W&F 0.04% WRMS at 7 1/2 IPS \$620

TECHNICS

RS-1700 Open-Reel Tape Deck

Tape speeds: 15, 7 1/2, 3 3/4 IPS; FR 30-30,000 Hz ± 3 dB at 15 IPS; W&F 0.018% WRMS at 15 IPS, 0.03% WRMS at 7 1/2 IPS, 0.06% WRMS at 3 3/4 IPS; THD 0.8% at 400 Hz; S/N 66 at 15 ips, 66 at 7 1/2 IPS, 64 at 3 3/4 IPS; mike input sens 0.25 mV; line input sens 60 mV; output level 550 mV; 19 1/4" W x 17 1/2" H x 10 1/4" D; 58.7 lbs \$2100

RS-1520 Open-Reel Tape Deck

Tape speeds: 15, 7 1/2, 3 3/4 IPS; FR 30-30,000 Hz ± 3 dB at 15 IPS; W&F 0.018% WRMS at 15 IPS, 0.03% WRMS at 7 1/2 IPS, 0.06% WRMS at 3 3/4 IPS; THD 0.8% at 400 Hz; S/N 68 dB at 15 IPS, 68 dB at 7 1/2 IPS, 66 dB at 3 3/4 IPS; mike input sens 0.25 mV; line input sens 60 mV; output level 775 mV; 19 1/4" W x 18" H x 10 1/4" D; 62 lbs; \$2100

RS-1506US Open-Reel Tape Deck

Tape speeds: 15, 7 1/2, 3 3/4 IPS; FR 30-30,000 Hz ± 3 dB at 15 IPS; W&F 0.018% WRMS at 15 IPS, 0.03% WRMS at 7 1/2 IPS, 0.06% WRMS at 3 3/4 IPS; THD 0.8% at 400 Hz; S/N 66 dB at 15 IPS, 66 dB at 7 1/2 IPS, 64 dB at 3 3/4 IPS; mike input sens 0.25 mV; line input sens 60 mV; output level 550 mV; 19 1/4" W x 17 1/2" H x 10 1/4" D; 57 lbs; \$1600

RS-1500US Open-Reel Tape Deck

Tape speeds: 15, 7 1/2, 3 3/4 IPS; FR 30-30,000 Hz ± 3 dB at 15 IPS; W&F 0.018% WRMS at 15 IPS, 0.03% WRMS at 7 1/2 IPS, 0.06% WRMS at 3 3/4 IPS; THD 0.8% at 400 Hz; S/N 68 dB at 15 IPS, 68 dB at 7 1/2 IPS, 66 dB at 3 3/4 IPS; mike input sens 0.25 mV; line input sens 60 mV; output level 550 mV; 19 1/4" W x 17 1/2" H x 10 1/4" D; 57 lbs; \$1600

UHER

1200 Report Monitor Open-Reel Deck

Synchro full-track tape deck with neo pilot. Features 4 heads; ALC on/off switch; switchable roll-off filter; built-in monitor speaker; optional beep generator; pilot frequency device for picture-synch recording. Tape speed 7 1/2 IPS; FR 40-16,000 Hz ± 3 dB; W&F 0.15% WRMS; S/N 62 dB; mike input sensitivity 0.2-15 mV; line input sensitivity 40 mV; output level 775 mV. 3.8 kg; 28.5" W x 10" H x 23.5" D \$5,075

SG-562 Royal Deluxe Open-Reel Tape Deck

Two-track and four-track tape deck. Features 4 heads; 4 motors; 2 peak reading meters (dB); sound on sound; tape/source monitoring; mike/line mixing; sep left/right input-level controls; dual internal speakers; remote control facility; dia-pilot for sound-film sync; accepts 7" reels. Tape speeds 7 1/2/3 3/4/1 1/2/1 1/8 IPS; FR 20-24,000 Hz ± 3 dB at 7 1/2 IPS, 20-18,000 Hz ± 3 dB at 3 3/4 IPS, 20-9,000 Hz ± 3 dB at 1 1/2 IPS, 20-4,000 Hz ± 3 dB at 1 1/8 IPS. W&F 0.05/0.10/0.20% WRMS at 7 1/2/3 3/4/1 1/2 IPS; S/N 67/66/65 dB at 7 1/2/3 3/4/1 1/2 IPS; mlke in-

put sensitivity 0.12 mV; line input sensitivity 1.4 mV; output level 750 mV. 28.8 lbs; 18" W x 7.5" H x 13.9" D \$1,849

SG-631 Logic Open-Reel Deck

Three-speed (7 1/2, 3 3/4, 1 1/2 IPS) 2- or 4-track stereo record/play deck; Omega looping system eliminates pinch-roller, drive couplings, springs, and function wheels; 4-motor drive system including 2 DC hub motors, electronically regulated capstan drive, and servomotor to form Omega loop. Features built-in strobe disc; speed control; peak-reading meter; Dia-Pilot for recording signal impulses and automatic slide-projector control; switchable peak-level limiter; separate stereo headphone power with volume, bass, treble controls; A/B monitoring; remote-control facility; 10 1/2" reel maximum. W&F 0.05%; FR 20-25,000 Hz at 7 1/2 ips, to 16,000 at 3 3/4 ips, to 12,000 Hz at 1 1/2 ips; S/N 65 dB at 7 1/2 ips \$1,749

SG-561 Royal Open-Reel Deck

Four-speed (7 1/2, 3 3/4, 1 1/2, 1 1/8 IPS) 2- or 4-track mono/stereo record/play deck with interchangeable head mount. Features Reovac long-life heads; built-in stereo amp with mixing facility; 7" reel capacity; Synchro-Play sound-with-sound; Multi-Play sound-on-sound; reverb effect; echo; Dia-Pilot for record/play of cueing signals for automatic slide projectors and synchronizing sound and film in 8- and 16-mm filmmaking; separate mike/radio and phono input controls; mike in/out switch; dual peak-indicating meters tape/source monitoring switch; separate and continuous tandem tone control; 4-digit tape counter with zero reset; tape tension comparator; electronic end-of-tape shutoff. W&F 0.05%; FR 20-20,000 Hz at 7 1/2 ips, to 15,000 at 3 3/4 ips, to 9,000 Hz at 1 1/2 ips; S/N 65 dB on 2-track at 7 1/2 IPS. 18" W x 13.9" H x 7.5" D \$1,711

6000 Report Universal Tape Recorder

Four-speed (3 3/4, 1 1/2, 1 1/8, 1 1/16 IPS) tape recorder. Records up to 16 hrs on 1 tape. Designed for monitoring, court reporting, surveillance. Features 5" reel capacity; built-in DNR; switchable auto level control; electronic tape tension control; four motors; switchable loudspeaker; tape counter; AV input jack. 11" W x 3.5" H x 9" D; 8 lbs \$1,749

Report Monitor Series Tape Recorders

Report Monitor series decks feature 3 heads, LED function indicators, integrated power supply, fully electronic amp switching, battery or AC operation, tape-tension regulators, die-cast aluminum casings. All models can be used in portable or stationary applications. Speeds 7 1/2, 3 3/4, 1 1/2, 1 1/8, 1 1/16 IPS.

4400 Report Monitor. Four-track stereo \$1,772

4200 Report Monitor. Two-track stereo \$1,772

4000 Report Monitor AV. Half-track monaural \$1,620

M650 Electret Condenser Mike

Microphone with start/stop switch and bass attenuator. Sens -68 dB (120° stereo position); FR 50-18,000 Hz; imp 600 ohms; power supply from built-in battery or tape recorder via mike cable with 8-pin connector and bayonet locking. For Uher open-reel recorders \$198

M518a Dynamic Reporter's Mike

Cardioid microphone with remote control facility (mono). Features start/stop switch. For use with monitor recorder. Similar to M655 mike \$161

M155 Dynamic Reporter's Mike

Microphone with remote control facility for Uher Model 5000 recorders \$146

Accessories

F-423 Diapilot. Self-contained unit for synchronized tape control operation of automatic slide projector for use with Uher open-reel and cassette decks. DIN plug connector \$260

2-125A Power Supply. Power supply and charger for Uher Monitor series decks \$138

F413 Acoustic Stop/Start Switch. Acoustic activated start/stop switch for use with Uher 562 Royal deck \$136

7 blank tape

BASF

Metal IV Cassettes

Metal-particle tape for Type IV/metal settings.
ME-IV C-120 \$7.79

LH Maxima I Cassettes

Ferric tape with high MOL for increased S/N and low distortion.

90 min \$2.79
60 min \$2.19

Chromdioxid Maxima II Cassettes

High-density chrome formulation, precision shell.
C-90. 60 min \$4.79
C-60. 90 min \$4.59

Chromdioxid Extra II Cassettes

Pure chrome for lowest noise, high output.
90 min \$3.59
60 min \$2.89

LH Extra I Cassettes

Ferric position. Extended S/N over entire FR.
90 min \$1.89
60 min \$1.59

Ferro LH Open-Reel Tape

Open-reel ferric tape for general recording.
1,800 ft, 7" reel \$9.19

Ferro Super LH Open-Reel Tape

Back-coated, clear leader ferric tape.
1,800 ft, 7" reel \$11.99

Chrome EE Open-Reel Tape

Back-coated chrome tape for EE capable decks.
1,800 ft, 7" reel \$19.69

CERTRON

Endless Cassette

30-sec endless cassette.
EC-30 \$4.99

Micro Cassette

M-60. 60 min \$3.99

Ferex I Cassette

Normal bias premium tape.
FEI-90. 90 min \$3.99

Ferex II Cassette

High bias premium tape.
FEII-90. 90 min \$3.99

Sample Cassette

Precision shell; S/N 99 dB; cleaning leader.
SKR-2. 90 min \$3.99

High Energy Cassette

Normal bias music tape.
HE-90. 90 min \$2.59

DENON

All Denon cassettes feature large window, life-time warranty, and cleaning leader.

HDM Metal Cassettes

C-60. 60 min \$7.50
C-90. 90 min \$10.00

HDB High Bias Cassettes

C-60. 60 min \$4.50

C-90. 90 min \$6.00

HD7 High Bias Cassettes

C-60. 60 min \$3.50
C-90. 90 min \$4.50

HD6 High Bias Cassettes

C-60. \$3.00
C-90. \$4.00

DX4 Ferric Normal Cassettes

C-90. 90 min \$3.50
C-60. 60 min \$4.50

DX3 Ferric Normal Cassettes

C-60. 60 min \$2.75
C-90. 90 min \$3.75

DX1 Ferric Normal Cassettes

C-60. 60 min \$2.00
C-90. 90 min \$2.50

FUJI

FR Series Metal Cassettes

Metal-coated tape with tensilized polyester base; designed for metal bias, 70- μ sec EQ.

FR (C-46). 46 min \$5.75
FR (C-60). 60 min \$6.35
FR (C-90). 90 min \$8.60

FR-II Series Cassettes

Chromium-dioxide cassettes with tensilized polyester base; designed for Type II/CrO₂ bias, 70- μ sec EQ; packaged in hinged plastic box.

FR-II (C-46). 46 min \$3.95
FR-II (C-60). 60 min \$4.35
FR-II (C-90). 90 min \$5.95

FR-I Series Cassettes

Ferric formulation with tensilized polyester base; designed for ferric/normal/Type I bias, 120- μ sec EQ; packaged in hinged plastic box.

FR-I (C-46). 46 min \$3.95
FR-I (C-60). 60 min \$4.35
FR-I (C-90). 90 min \$5.95

DR Series Cassettes

DR (C-46). 46 min \$2.35
DR (C-60). 60 min \$2.75
DR (C-90). 90 min \$3.80
DR (C-120). 120 min \$5.30

GT-II Series Cassettes

High bias, 70-microsecond EQ. Heat-resistant tape, shell, and clear plastic case. Dual spring pressure pad.

C-46. \$4.95
C-60. \$5.45
C-90. \$7.45

GT-I Series Cassettes

Normal bias, 120 μ sec EQ car audio cassette with heat-resistant tape, shell, and clear plastic case; tensilized polyester backing.

GT (C-46). 46 min \$4.45
GT (C-60). 60 min \$4.95
GT (C-90). 90 min \$6.95

IRISH

Hi Output Cassettes

Precision shell, ferric cassette in Norelco box.
XR-90. 90 min \$2.70
XR-60. 60 min \$2.10

Low Noise Cassette

Precision shell, ferrous cassette in Norelco box.
LN-90. 90 min \$2.15
LN-60. 60 min \$1.75
LN-30. 30 min \$1.50

JVC

ME-PII Cassette Tape

Metal-particle tape with high magnetic density and high particle acicularity for high MOL.

C-90. 90 min \$1.7

DA7 High-Bias Cassette Tape

Tape combines two layers of high-energy cobalt-treated particles.

C-90. 90 min \$7.45
C-60. 60 min \$5.25

DA3 Normal-Bias Cassette Tape

Normal-bias tape, designed for recording music; has two layers of magnetic coating; one with high coercivity and one with high magnetic flux density. Requires 120 μ sec EQ

C-90. 90 min \$6.95
C-60. 60 min \$4.75

F1 Cassette Tape

C-90. 90 min \$3.95
C-60. 60 min \$2.95

KONICA

Metal Cassette Tapes

60 min \$5.49
90 min \$6.79

GM-H High-Bias Cassette Tapes

60 min \$2.99
90 min \$3.59

GM-I Normal-Bias Cassette Tapes

60 min \$2.99
90 min \$3.59

ML Normal-Bias Cassette Tapes

60 min \$1.89
90 min \$2.59
120 min \$3.29

SER by SWIRE MAGNETICS

Laser XL Cassettes

Normal bias ferric cassettes with extra low noise.
C-120. 120 min \$2.49
C-90. 90 min \$1.89
C-60. 60 min \$1.49
C-45. 45 min \$1.39

Laser UHD-I Cassettes

Normal bias ferric cassettes with high-energy, high density formulation.
C-90. 90 min \$2.59
C-60. 60 min \$1.99

Laser UHD-II Cassettes

High-bias ferric cassettes with high-energy extended frequency response.
C-90. 90 min \$2.59
C-60. 60 min \$1.99

LIGHT SUPPLY

Ferric Cassettes

Ferric cassettes with 120-microsecond EQ.

C-120 Concert Length. Four 120-minute cassettes \$15

MAXELL

MX Metal Cassettes

Metal bias/EQ.
MX-46. 46 min \$4.39
MX-60. 60 min \$5.39
MX-90. 90 min \$6.99

XLII-S Epitaxial Cassettes

High-level bias; 70- μ sec EQ.
XLII-S60. 60 min \$3.69
XLII-S90. 90 min \$4.99

XLI-S Epitaxial Cassettes

Normal bias; 120- μ sec EQ.
XLI-S60. 60 min \$3.69
XLI-S90. 90 min \$4.99

XL-I Epitaxial Cassettes

Normal bias; 120- μ sec EQ.
C-46. 46 min \$2.49
C-60. 60 min \$2.99
C-90. 90 min \$3.79

XL-II Epitaxial Cassettes

Chrome type; high-level bias; 70- μ sec EQ.
C-46. 46 min \$2.69
C-60. 60 min \$2.99
C-90. 90 min \$3.79

UDS-I Normal Bias Cassettes

Features phase accuracy shell, frictionless slip sheets, Quin-Lok hubs, cleaning leader.
C-46 \$2.29
C-60 \$2.49
C-90 \$2.99

UDS-II High-Bias CrO₂ Cassettes

Features phase accuracy shell, frictionless slip sheets, Quin-Lok hubs, cleaning leader.
C-46 \$2.29
C-60 \$2.49
C-90 \$2.99

Normal-Bias Cassettes

UR-46. 46 min \$1.59
UR-60. 60 min \$1.69
UR-90. 90 min \$1.99
UR-120. 120 min \$2.99

Microcassettes

Normal bias.
MC-46UD2PK. (2 per card) \$6.19
MC-60UD2PK. (2 per card) \$6.49

Open-Reel Tapes

XLII Open-Reel Tapes

Designed for use with EE-tape-capable decks.
XLII 35-90. 1,800 ft \$16.48
XLII 35-180. 3,600 ft \$44.98

XLI Back-Coated Open-Reel Tapes

XLI 50-60B. 1,200 ft, 7" reel \$10.58
XLI 50-120B. 2,500 ft, 10 1/2" reel \$31.98
XLI 35-90B. 1,800 ft, 7" reel \$12.48
XLI 35-180B. 3,600 ft, 10 1/2" reel \$32.98

Ultra-Dynamic Open-Reel Tapes

UD50-60. 1,200 ft, 7" reel \$8.68
UD50-120. 2,500 ft, 10 1/2" reel \$27.38
UD35-90. 1,800 ft, 7" reel \$8.98
UD35-180. 3,600 ft, 10 1/2" reel \$27.98
UD50-120. 2,500 ft, 10 1/2" reel \$11.48
UD18-180. 3,600 ft, 10 1/2" reel \$12.48

MEMOREX by MEMTEK

CDX II High Bias Cassettes

Metal tape for High Bias (type II) setting. Superior tape for recording CD or digitally-sourced music at high bias, 70 μ sec setting. Greater headroom for distortion-free reproduction at significantly higher

recording levels than conventional high bias tapes. New permanent reference cassette mechanism shell.
C-90 \$4.99

HBX II High Bias Cassettes

High performance ferric/cobalt tape for use at high bias 70 μ sec setting. Higher MOLs, greater sensitivity compared to standard high bias and CrO₂ tapes.
HBX II High Bias C-90 \$3.79
HBX II (type II) C-60 \$2.99

HB II High Bias Cassettes

Premium tape for high bias 70 μ sec EQ position. Improved low end MOL, greater sensitivity, new permanent reference cassette mechanism.
HB II High Bias C-90 \$3.29
HB II (type II) C-60 \$2.59

MRX I Normal Bias Cassettes

Premium normal bias tape. Full lifetime warranty.
C-120 \$3.99
C-90 \$2.99
C-60 \$2.39
C-45 \$2.19
C-30 \$2.09

db Series Cassettes

Quality normal bias tape for general recording of voice or music. Full lifetime warranty.
C-90 \$2.49
C-60 \$1.99

NAKAMICHI

ZX Reference Cassette Tapes

Metalloy (metal-particle) formulation for recording on metal-compatible decks only; features ultra-high coercivity and retentivity for improved distortion and MOL; 70- μ sec EQ.
ZX-C60. 60 min \$6.50
ZX-C90. 90 min \$9.00

SX II Reference Cassette Tapes

Double-coated ionized cobalt and ferric-oxide formulation. CrO₂ bias and EQ (70 μ sec).
SXII-C60. 60 min \$5.85
SXII-C90. 90 min \$8.00

SX Reference Cassette Tapes

Single-coated ionized cobalt and ferric oxide formulation; high coercivity permits use of CrO₂ bias and EQ (70 μ sec) for 4-5 dB better S/N ratio.
SX-C60. 60 min \$4.00
SX-C90. 90 min \$5.85

EX II Reference Cassette Tapes

Single-coated ferricobalt formulation; same bias and EQ (120 μ sec) as EX tape; extra-low noise.
EXII-C60. 60 min \$3.70
EXII-C90. 90 min \$5.40

QUASAR

Microcassettes

MT462M. 46-minute metal-bias microcassettes in twin pack \$9.50
MT90A. Angrom tape microcassettes \$9.50
MT602. 60-minute normal-bias microcassettes in twinpack \$5.00

SCOTCH

XSM IV Cassettes

Fine metal magnetic particle formulation; delivers maximum output up to 10 dB better than typical ox-

ide tapes and up to 7 dB greater than chrome tapes; low distortion, added high-frequency response, and improved S/N ratio.

60 min. \$7.99
90 min. \$10.29

XS II Cassettes

Features premium grade, improved S/N; less tape hiss; dual-layer, cobalt-modified ferric oxide; for use with recorders in the chrome or 70 μ sec equalization position; album packaging; improved shell for critical mechanical permanence and 3-head equipment.
60 min. \$4.79
90 min. \$5.99

XS I Normal Bias Cassettes

Features premium grade, low-noise ferric oxide; improved high frequency sensitivity and max output; album packaging; improved shell for critical mechanical permanence and 3-head equipment.
60 min. \$4.49
90 min. \$5.79

CX Cassettes

Normal-bias ferric oxide cassette featuring improved low frequency output and clarity. 5-screw impact polymer shell with low-friction roller guides.
46 min. \$2.99
60 min. \$3.29
90 min. \$4.79

BX Cassettes

Ferric-oxide formulation for all-purpose cassette use; polyester base. 5-screw impact polymer shell.
46 min. \$1.89
60 min. \$2.49
90 min. \$3.39
120 min. \$4.79

SONY

ES Metal Cassette

Type IV position (70 microsecond EQ)
ES-90. 90 min \$11.50

UCX-S Series Cassettes

Type II position (CrO₂ high bias, 70 microsecond EQ)
UCX-S 60. 60 min \$5.00
UCX-S 90. 90 min \$7.00

UCX Series Cassettes

Type II position (CrO₂ high bias, 70 microsecond EQ)
UCX 60. 60 min \$4.15
UCX 90. 90 min \$5.75

HF-S Series Cassettes

Type I position (Normal bias, 120 microsecond EQ)
HF-S 60. 60 min \$3.10
HF-S 90. 90 min \$4.25

HF Series Cassettes

Type I position (Normal bias, 120 microsecond EQ)
HF 46. 46 min \$2.05
HF 60. 60 min \$2.25
HF 90 90 min \$3.15
HF 120. 120 min \$4.05

Microcassettes

3MC-60N. 60/120 min \$2.75
MC-60N. 60/120 min \$2.75
MC-90N. 90/180 min \$8.00

TDK

Professional Reference Series Cassettes

PRICES LISTED

are only the manufacturers' suggested retail prices
(also referred to as list prices)
which are subject to change without notice.
Actual selling prices are set by the dealers.

MA-R (Metal Alloy-Reference) Cassettes

Metal bias; 70- μ sec EQ; housed in reference standard die-cast metal shell; designed for excellent high-frequency MOL and high coercivity for improved sens and extra recording headroom.

MA-R 90. 90 min.....	\$7.00
MA-R 60. 60 min.....	\$9.40

HX-S Type II Cassette Tape

Metal-particle tape for high-bias setting; designed for recording Compact Discs or other digital material. Coercivity 700 Oe; remanence 3,000 Gauss.

HX-S90. 90 min.....	\$7.00
HX-S60. 60 min.....	\$5.20

SA-X (Super Avilyn-Extended) Cassettes

Double-coated Super-Avilyn-particle tape; high bias; 70- μ sec EQ; high output and wide dynamic range; housed in precision shell and standard mechanism.

SA-X90. 90 min.....	\$5.50
SA-X60. 60 min.....	\$3.90

AD-X (Acoustic Dynamic-Extended) Cassettes

Avilyn-particle technology in a normal-bias cassette. High output, wide dynamic range, high sens. Laboratory standard mechanism. 120- μ sec EQ.

AD-X90. 90 min.....	\$4.30
AD-X60. 60 min.....	\$3.00

Reference Standard Series Cassettes**MA (Metal Alloy) Cassettes**

Metal bias; 70- μ sec EQ; housed in precision molded plastic shell housing and standard mechanism.

MA-90. 90 min.....	\$7.00
MA-60. 60 min.....	\$5.20

SA (Super Avilyn) Cassettes

Improved cobalt-ferric formulation; high bias; 70- μ sec EQ; extended FR and low noise; laboratory standard mechanism.

SA-90. 90 min.....	\$3.70
SA-60. 60 min.....	\$2.80

AD (Acoustic Dynamic) Cassettes

Linear ferric-oxide particle formulation for normal bias; 120- μ sec EQ; superior high-end response and output level; laboratory standard mechanism.

AD-90. 90 min.....	\$3.30
AD-60. 60 min.....	\$2.40

General-Purpose Cassettes**D (Dynamic) Cassettes**

Normal bias; 120- μ sec EQ; precision mechanism.

D-120. 120 min.....	\$3.20
D-90. 90 min.....	\$2.20
D-60. 60 min.....	\$1.90
D-46. 46 min.....	\$1.80
D-30. 30 min.....	\$1.70

Endless Cassettes

Endless-loop design permits continuous repeating of recorded material; back coated; available with or without foil strip for telephone-answering machines with automatic shutoff sensor.

EC-12M (F). 12 min.....	\$4.70
EC-6M (F). 6 min.....	\$3.90
EC-3M (F). 3 min.....	\$3.50
EC-30S (F). 30 sec.....	\$3.40
EC-1M (F). 1 min.....	\$3.40
EC-20S (F). 20 sec.....	\$3.30

SA Open-Reel Tape

Extra-efficiency Super Avilyn open-reel tape for high-end tape recorders with EE (Extra Efficiency) bias position. Designed for high coercivity and low noise for full performance at half speed.

SA35-180M. 3,600-ft, 10 1/2" metal reel...	\$32.80
SA35-90. 1,800-ft, 7" plastic reel.....	\$12.50

GX Open-Reel Tape

Extremely high output level, extended range, low noise, low distortion tape for mastering and all critical recording applications. Available in 35- and 50-micron thicknesses.

GX35-180BM. 3,600 ft, 10 1/2" metal reel..	\$27.30
GX50-120BM. 2,500 ft, 10 1/2" metal reel..	\$23.40
GX35-90B. 1,800 ft, 7" plastic reel.....	\$10.10
GX50-60B. 1,200 ft, 7" plastic reel.....	\$8.60

Microcassettes

D-MC60B3. Same dynamic formulation as standard-size cassettes. Has flat response and low noise for speech recording. Packed in threes. 60 min each.....

AD-MC60B3. Same acoustical dynamic formulation as standard-size cassettes. High-output, extended-range, low-noise tape for music and speech recording. Packed in twos. 60 min each.....

MA-MC60. Same metal-alloy tape formulation as standard-size cassettes. High-MOL, high-coercivity tape for critical music recording in metal-compatible microcassette recorders. Available in single pack. 60 min.....

TRIAD**MG-X90 Cassettes**

90 min, metal position (type IV) tape featuring Delta transport mechanism shell and cleaning leader. FR 10,000 Hz +0 dB; MOL 315 Hz, +5 dB; SOL 10,000 Hz, -1 dB; retentivity 3300 G; coercivity 1,150 Oe.....

FX-90 Cassettes

90 min, normal position (type I) tape featuring Delta transport mechanism shell and cleaning leader. Fr 10,000 Hz +3 dB; MOL 315 Hz, +5.5 dB; SOL 10,000 Hz, -6 dB; retentivity 1,800 G; coercivity 380 Oe.....

EM-X90 Cassettes

90 min, high bias position (type II) tape featuring Delta transport mechanism shell and cleaning leader. FR 10,000 Hz +0.5 dB; MOL 315 Hz, +5 dB; SOL 10,000 Hz, -3 dB; retentivity 3,100 G; coercivity 720 Oe.....

**VISA
by INTERWORLD ELECTRONICS****High Performance I Tape**

Ferric cassette tape with iron dioxide coating.

60 min.....	\$1.59
90 min.....	\$1.99

Extra Performance II Tape

High-bias cassette tape.

60 min.....	\$1.99
90 min.....	\$2.49

CX-II Professional Tape

Hi bias cassette tape.

60 min.....	\$2.49
90 min.....	\$3.49

FDX-I Professional Tape

Ferric cassette tape.

60 min.....	\$1.99
90 min.....	\$2.79

UFX-I High Tech Turbo

Ferric cassette tape with clear housing.

60 min.....	\$2.99
90 min.....	\$3.99

UCX-II High Tech Turbo

High-bias cassette tape.

60 min.....	\$2.99
90 min.....	\$3.99

UCX-IIS High Tech Turbo

High-bias cassette tape with ultra-refined CrO2 coating and special housing.

60 min.....	\$3.49
90 min.....	\$4.99

(continued from page 42)

or volume level indicator; 420 mm W x 117 H x 220 D.....

VECTOR RESEARCH**VRX-9100 Receiver**

Features high-current 8-output transistor section, synthesized tuner convertible with optional VA-1450 bridging amp. Inputs for MM phono; MC phono; tape; CD; video sound source. 90 continuous average W/ch 20-20,000 Hz with dynamic headroom of 2.5 dB; IHF IMD 0.08%; 2.5 lbs. 17" W x 4 1/2" H x 14" D \$450

VRX-7100 Receiver

High-current 8-output transistor section synthesized tuner. Inputs for MM phono; MC phono; tape; aux; CD; video sound source. 60 continuous average W/ch 20-20,000 Hz with <0.08% THD into 4 ohms; dynamic headroom 2.5 dB; 23 lbs. 17" W x 4 1/2" H x 14" D.....

VRX-3500 Receiver

Features discrete output amp section; synthesized tuner. Inputs for MM phono; tape; aux; CD; video sound source. 40 continuous average W/ch from 20-20,000 Hz with less than 0.08% THD into 4 ohms; dynamic headroom 2.5 dB; IHF IMD 0.08%; 20 lbs. 17" W x 3" H x 12" D.....

VR-2200 Receiver

Features discrete output amp section; analog tuning. Inputs for MM phono; tape; CD; video sound source; 25 continuous average W/ch from 20-20,000 Hz with <0.08% THD into 8 ohms; dynamic headroom 2 dB; IHF IMD 0.08%; 17 lbs. 17" W x 3" H x 12" D.....

YAMAHA**R-9 AM/FM Receiver**

AM/FM-stereo receiver with 5-digit fine tuning and video switching capability. Features continuously variable loudness control (-40 dB); zero distortion rule; auto Class A power; low imp drive capability; computer servo-lock tuning system; 16-station random preset tuning; rec out selector; A, B, C speaker selection; DNC; simulated stereo; accessory output loop; 15-function infrared remote control. Inputs for MC phono, MM phono; tape, aux, CD player, video sound source. Amp section: 125 continuous average W/ch 20-20,000 Hz with no more than 0.015% THD into 8 ohms; dynamic headroom 1.58 dB; IHF IMD 0.01%; FR 20-20,000 Hz +0, -3 dB. FM section: alternate-ch sel 85 dB; 50-dB quieting sens, mono 1.5 μ V (14.8 dBf), stereo 20 μ V (37.3 dBf); max S/N, A-wtd, mono 85 dB, stereo 81 dB; THD, mono 0.05%, stereo 0.07%; sep 50 dB at 1,000 Hz; capture ratio 1.2 dB. 17 1/2" W x 6" H x 16 1/2" D; 26 lbs, 6 oz.....

R-8. Similar to the R-9 except 85 W/ch; no auto Class A; A + B speaker selection.....

R-7. Similar to R-8 except 65 W/ch; no digital fine tuning, video switching, DNC, or simulated stereo. 13-function remote control.....

R-5. Similar to R-7 except 50 W/ch; bass extension circuitry; no rec out selector or remote control \$299

R-3. Similar to R-5 except 35 W/ch; 8 AM/8 FM preset selection tuning, no computer servo lock tuning.....

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

8

accessories

ACE AUDIO

4100-X-24b Infrasonic/Ultrasonic Filter

Active filter designed to eliminate infrasonic (turntable and record) noise and ultrasonic (RF, high-frequency noise, etc.) interference. Infrasonic rate 24 dB/octave below 20 Hz; ultrasonic section rate 12 dB/octave above 20,000 Hz. Distortion 0.002% at 2 V output \$142.00

4000-X-24 Super Infrasonic Filter

Combined active Bessel and passive filter sections provide low phase shift and an ultra-sharp cutoff (24 dB/octave); removes all infrasonic disturbances; individually hand-calibrated. Distortion 0.002%; response -3 dB at 20 Hz (24 dB/octave) .. \$132.00

4100 Infrasonic/Ultrasonic Filter

Active filter with infrasonic section rolloff 18 dB/octave below 20 Hz; ultrasonic section rolloff 12 dB/octave beyond 20,000 Hz; IMD 0.002% typical, 20-20,000 Hz \$108.00

4000b Subsonic Filter

Low-frequency filter with 4 rear-panel connectors providing 18 dB/octave rolloff at 20 Hz or below, -3 dB. For use with direct-coupled receivers, amps, and/or subwoofers. IMD 0.01% at 1 V output; input imp 47k ohms; output imp 150 ohms; min output load 10k ohms; hum and noise -86 dB; 6" W x 4 1/4" D x 2 1/4" H \$98.00

3900 Ground Liminator

Designed to break up ground-loop faults in connecting cables, thus reducing hum; employs passive circuitry \$21.00
Kit \$16.00

ACOUSTIC RESEARCH

AR SRC Stereo Remote Control

Remote control system compatible with all component audio systems features 8-bit custom programmed microprocessor and 15-function hand-held remote module. Operating distance 40 feet nominal. Remote functions include system on/off, volume control, balance control, -20 dB mute, full audio mute, source switching via remote tape monitor, left/right speaker comparison, sleep timer, full memory of control settings with power off. Inputs for main, tape monitor, and EPL return; outputs for main, tape record, and EPL send; indicators for power on, balance centered, and EPL selected. Attenuation range 0-75 dB plus full-off (> 85 dB) in 1.5 dB steps; noise 95 dB below 1 V RMS, A-wtd; noise decreases with increasing attenuation; total harmonic distortion < 0.01%, 1 VRMS, 20-20,000 Hz; frequency response 6-60,000 Hz ± 0.25 dB; phono cables, battery and instructions are included \$159.99

ADCOM

GFS-3 Speaker Selector

Handles up to 3 pairs of speakers with built-in load protection for low-imp loads; headphone output; Twist'n'Lock speaker connectors for heavy-gauge speaker wire. Can be used with amps rated up to 200 W/ch. 7" W x 5 1/4" D x 2 1/4" H \$99.95
GFS-6. Similar to above but handles up to 6 pairs of speakers \$149.95

ADS

B3 Storage Module

Storage module with tambour door and vertical divid-

ers. Stackable; length and width matches measurements of Atelier components; useful for storing cassettes, CDs, LPs. Available in black or white \$149.00
B4. Similar to B3 except open front with adjustable shelf \$99.00

AKAI

DT-220 Timer

7-day/4-event timer. Features microcomputer-controlled quartz clock; electronic tone guide; 2-color FL digital display; auto dimmer; sleep timer; 2 AC outlets; multi voltage \$149.95
DT-A2. 1-day/2-event program timer. Features sleep timer; FL display; feather-touch controls; auto dimmer; program confirmation \$99.95

Miscellaneous Accessories

AH-15. Demagnetizer for GX tape heads ... \$39.95
D-100. DIN/DIN cable \$8.50
DR-110. DIN/RCA cable \$10.50
D-7M. Empty 7" aluminum reel \$10.50
R-10M. Empty 10 1/2" aluminum reel \$17.50
RH-12. NAB 10 1/2" reel holders \$34.50

ALLSOP

72560 Pro Audio Care Kit

5800 Orbital record cleaner in storage case; ultralite audio cassette system with carrying pouch; record stylus care kit 58040 \$42.95

Compact Disc Cleaner

Wet-system Compact Disc cleaner uses soft replaceable pad that cleans radially (from center to edge of disc). Designed to remove impurities from CDs that can cause detracking without abrasion \$29.95.

Ultralite Cassette Deck Cleaner

Auto-reverse cassette deck cleaner with wet cleaning system. Includes dual cleaning pads; replacement cleaning cartridges in smoked plastic storage box; cleaning solution; leather-like case \$15.95
Without case \$9.95

Orbitrac® Record-Cleaning System

Wet cleaning system that tracks each record groove to remove impurities. Includes Orbitrac® cleaner, solution and sprayer, record cleansing pad, dirt remover brush, storage case \$18.95
Record-cleaning solution refill in 8-oz bottle .. \$8.95

ANNIS

Magnetometers & Demagnetizers

K25/S5. Deluxe Han-D-Kit bulk tape eraser for 117 V AC; 50/60 Hz operation \$83.00
25/S5. Deluxe jeweled pocket magnetometer with 5-0.5 gauss range; 2 1/2" diameter \$49.00
K20/B5. Standard version of K/20S5 \$49.00
115. Han-D-Mag audiophile demagnetizer for 117-V AC; 50/60 Hz operation \$31.00
Long probe Han-D-Mag for 117-V AC; 50/60 Hz operation \$38.00
Thin probe version of Model 115 \$35.00
115-S. Probe demagnetizer for demagnetizing audio and video heads and drive components with 2,000 gauss flush-pole end for occasional use in bulk erasing cassettes and 1/2" tape. Features Teflon-jacketed laminated steel probe; polycarbonate plastic housing \$31.00
20/B5. 2" diameter magnetic field measuring instrument for determining magnetism remaining in recording heads, capstans and storage areas. Features cen-

ter zero; 5 gauss full scale \$14.50

APATURE by ACR

Gold Interconnect Cables

High-resolution professional audio and video patch cords. For use with all video, CD, VHS, Beta formats; all audio components. Length: 1 meter. \$18 ea
1/2 meter chrome cable \$20 each
2-meter chrome cable \$24 each
Premium Gold Interconnect Cables. Same as chrome cables except with 5 micron gold ends \$30 ea

APT

Phono Cartridge Linearizer

RIAA phono stage with resistance and capacitance adjustments. Test record provided to linearize (by meter nulling) high end of the phono cartridge response. Output plugs into aux input stereo system. Capacitance range 75-325 pf; resistance range 10,000-100,000 ohms; noise output > -75 dB; FR 20-20,000 Hz ± 0.1 dB; overload > 5 V RMS; THD 0.01% max 20-20,000 Hz; IMD 0.01% max 60 Hz 7K SMPTE; 2 lbs; 12" W x 3 1/4" H x 6" D . \$195

Ultra Subsonic Filter

Active electronic network designed to remove undesirable infrasonic energy present in output of turntables and tape decks and provides cut-off slope of 64 dB/oct starting at 20 Hz with attenuation of > -64 dB at 10 Hz and lower frequencies. Response varies < ± 0.25 dB from 20-20,000 Hz; 3-dB down points 19 and 50,000 Hz; harmonic and noise distortion 0.05% at 3 V RMS; IMD 0.008%; -85 dB (20-20,000 Hz) \$195

AUDIO DESIGN ASSOCIATES

SC-10 Central Unit

Relay switch control which may be used with existing or standard stereo components. Provides control of eight separate listening areas. Features internal power fuse 24 V low voltage control; output scan control signal jack for remote options; input/output switching jacks. 19" x 3 1/2" x 11 rack-mountable. Used in conjunction with MC-33 \$2,600

MC-33 Room Control

Provides control of speaker volume, two source selections, and room off/main off. Features separate left and right thermally protected volume controls; select A button; select B button; room off button; main off and total reset button; solid state LED indicators input and room speaker selection; provides up to eight rooms with individual volume controls \$300/ea

AUDIONICS

ET-1 Electronic Transformer

Class-A direct-coupled head amp for MC phono cartridges. Features separate outboard power supply; provisions for cartridge loading. Input sens 0.2 mV for 6-mV output; S/N 90 dB wideband \$260

SD-2 Surround Sound Decoder

Decodes Dolby MP Matrix tracks encoded on LaserDisc and Beta Hi-Fi software. Features automatic input balance, built-in time delay on surround channel. 9 lbs; 17" x 2.6" x 10" \$395

AUDIO QUEST

AQ Record Mat

Sorbothane record mat designed to damp record vi-

bration without the usual out-of-phase smear due to energy storage and release. Also controls platter resonances. 9 ozs; 1 1/4" diameter; 1/4" high \$35

AQ Record Brush

Carbon fiber anti-static record brush with extremely fine carbon fibers to clean inside grooves while reducing static. Cannot damage record. Perfect for use between times on a record cleaning machine. 7 oz; 4 1/2" H x 1 3/8" W x 3/8" D \$15

AQ Isolation Foot

Used for improving performance of CD players, tube electronics, turntables, and televisions. Sorbothane disc \$10 ea

AQ Electronic Stylus Cleaner

Effective vibrating action \$25

AQ Record Clamp

Light metal clamp slightly bends record over felt washer, applying pressure to grooved area of record instead of only label area \$25

AUDIO RESEARCH®

MCP-2 Pre-Preamplifier

Solid-state Analog Module® pre-preamplifier boosts output of MC cartridges for input to preamps. Features front-panel selectable loading for MM cartridges; front-panel selection of MC gain and imp; fully balanced and regulated circuitry. FR DC-80,000 Hz ±0.25; harmonic distortion <0.005% at 1 V RMS output 20-20,000 Hz; MC noise <100 nanoV at 10 ohm input RIAA equalized; 19" W x 3.5" H x 8.5" D \$1,395

Solid Wood Equipment Cabinets

Feature removable glass doors with or without Audio Research® trademark; LP storage at bottom.

WC-5R. Walnut, rack-mounting \$1,020
WC-5S. Walnut, shelf-mounting (four shelves) \$995
OC-5R. Oak, rack mounting \$720
OC-5S. Oak, shelf mounting (four shelves) ... \$695

RMV-3 Rack-Mount Ventilator

Passive convection unit to allow proper air flow to dissipate heat. For all Audio Research® units. \$125

RFP-1 Rack-Mount Filler Panel

Available in 1 3/4", 3 1/2", 5 1/4", or 7" heights. \$49.50

AUDIOSOURCE

RTA-ONE Real-Time Analyzer

Hand-held real-time analyzer and SPC meter with built-in calibrated electret condenser mic. 10 single-octave bands; 90 level LEDs; LEDs for power, low battery, overload. 1 lb without batteries; 6 1/16" H x 3 3/4" W x 2" \$199.95

PNG-ONE Pink-Noise Generator

Battery-powered pink-noise generator \$44.95
AC adapter \$12.95
Carry bag \$34.95

Rack-One

Audio component rack, genuine wood veneer in walnut or white oak w/black hardware. Tempered glass hard panel and top, rear-hinged, substitutes for turntable dust cover; 3 adjustable shelves and LP compartment. 42" H x 21 3/4" W x 15 3/4" D \$249.95
Rack-Two. Same as Rack-One, but without dust-cover. \$229.95
Rack-Three. Horizontal audio/video rack features two adjustable shelves; tempered glass doors; caster-mounted; genuine wood veneer. 46" W x 22 3/8" H x 16 1/2" D; 66 lbs \$250
Rack-Four. Silver audio/video rack. Features vertical strips of tempered glass from forward side panels and matching glass doors; caster-mounted; two adjustable shelves; horizontal design. 26" W x 24" H x 19" D. 52 lbs \$200
Rack-Five. Audio/video rack features single adjustable shelf; tempered glass doors; horizontal design; caster-mounted; available in black, genuine white oak,

or genuine walnut veneer. 26" W x 22 1/2" H x 16 1/2" D; 47 lbs \$200

AUDIO-TECHNICA

AT650 Moving-Coil Transformer

Passive transformer, no batteries or power supply required; variable imp 3, 20, 40 ohms and pass; FR 10-100,000 Hz; THD 0.005% at 1 mV; output imp 47k ohms \$250.00

AT630 Moving-Coil Transformer

FR 15-100,000 Hz; input/output imp 20/47k ohms; channel balance 0.5 dB; THD 0.01% at 0.5mV input \$99.95

AT605 Audio Insulator System

Vibration-damping feet for use under speakers or turntables to prevent acoustic feedback; individually adjustable height. Supplied in set of 4, with bubble level \$29.95

AT618 Disc Stabilizer

Solid brass disc with rubber coating designed to damp out sound-coloring resonances. Fits over turntable spindle \$24.95

AT6015 TechniClean™

Audiophile record maintenance system cleans record surface and reduces static \$22.95

AT6016. Deluxe stylus cleaning system with enclosed fluid container \$13.95

AT613. TechniClean record cleaner replacement fluid. Removes dust, dirt, and oily fingerprints without promoting static. 60 cc \$3.95

AT613/500. 500 ml refill \$10.95

AT6003 Tri-Capsule

Holds up to 3 spare cartridges in standard plug-in shells (used in most European and Japanese tonearms); smoked-plastic domes ward off accidents, dust \$10.95

AT609 Headshell Wire Set

Replaces original headshell wiring; set of 4 color-coded connectors made of silver litz wire and gold plating \$8.95

AT644. 1/4" to mini stereo 6 1/2-ft extension cord \$7.95

AT648. Mini mono to mini stereo 6 1/2-ft extension cord \$7.95

AT643. 1/4" to mini stereo plug adapter \$3.95

AT607 Stylus Cleaning Formula

Cleaning solution dissolves foreign material on stylus without harming known stylus adhesives; in bottle with stylus brush \$4.95

AT608 Record Care Formula

Dissolves fingerprints, loosens stubborn particles, reduces static bond of micro-dust, airborne material. Nonalcoholic; use directly on fibers of conventional brushes; 2 oz \$3.95

Universal Headshells

AT-MS. Extra lightweight, low-resonance magnesium headshell with built-in damping. Includes AT609 cartridge wires, built-in stylus overhang adjustment screw \$26.95

AT-CF3. Low-mass carbon-fiber headshell for straight tonearms; grid pattern helps in alignment .. \$16.95

AT-N. Basic type headshell \$13.95

AT-S. Similar to AT-N except with improved rigidity and lower mass \$8.95

Vital Link™ Cable Series

AT620 Super Conductivity Cable Set
Litz wire construction with double shielding and gold-plated connectors; for low imp and max rejection of RF interference; set of 2 \$31.95

AT622 Universal Tonearm Cable. Low-resistance cable for manual turntables; 51" braided copper shield; color-coded molded phono plugs; gold-plated connectors \$26.95

AT610a Cable Set. Low-capacitance cables for connecting turntable and amp; 4-ft shielded cable with

molded pair phono plugs each end; gold-plated connectors and separate ground wire; single set needed per turntable \$11.95
AT641 Cable Connectors. Two gold-plated female phono feed-through cable connectors; extends length of other Vital Link cables \$8.95

AUDIO TECHNOLOGY

511 LED Display

Digital peak hold LED audio level display. Incorporates highly linear, dual phase peak detectors, both line level (dBm) and power level (dBw) inputs. Highest LED is digitally held while lower LEDs function in real time. Available in horizontal or vertical formats. Rack panels available \$235

510B LED Display \$169

BEDINI ELECTRONICS

Ionic Line Guide Model 5

Systems interlink designed for connection between amplifier and speakers to eliminate inductance, capacitance and resistance between associated wires and cables. 6 1/2" W x 2" H x 2" D; 3 lb \$95
Model SS. Single units--one per speaker; 3 1/2" W x 2" H x 2" D; 1 lb \$95/pr
Model I. Connects between any interlink, such as amp-preamp, preamp-turntable; same dimensions as Model SS \$49.95

A/C Interlink MDL 100

Switching control unit that filters line distortion allowing clean A/C power to all video/audio/computer components. Features independent spike eliminator at each outlet stage; independently lit neon switches; 10 outlets \$225
Model 50. Similar to above with 5 outlets \$115

Ionic Line Guide MDLSS

Systems interlink for connection between amp and speakers to eliminate inductance, capacitance, and resistance between associated wires and cables. 4 1/2" W x 2" H x 2" D; 1 lb \$110/pr

Ionic Line Guide MDLI

Connects between any interlink; 4 1/2" W x 2" H x 2" D \$69.95

BIB

A-607 CD Cleaning System

Compact Disc tray, cleaning unit, fluid, and brush to clean cleaning unit. Cleaning unit has soft bristles, felt pad, and chamois leather \$14.95

AE-309 Tape Head Demagnetizer

Designed to remove harmful build-up from tape recorder head, guides. Use every 10-20 hours. Comes with 2 different-length removable probes .. \$21.95

AE-306 Tape Mending & Editing Kit

Designed for easy, accurate editing, repairing of 1/4" and 1/2" tapes. Tape splicer fitted with clamps to hold tape securely in place for diagonal or butt splices. Comes with nonmagnetic razor cutter; tape dispenser \$9.95

AE-308 Cassette Spray'N'Clean

For effective cleaning of cassette heads, tape path. Contains nonabrasive cleaning cloth, tape-head cleaning fluid. Cleans in 15 seconds \$5.95

AE-307 Fast Cassette Hand Winder

Enables rewinding of cassette in as little as 45 sec, saving wear on tape transports and heads and conserving battery power in portable decks \$5.95

BRYSTON

Switch Boxes

Equipment switch boxes with no active components; designed for high-current applications.

Three-way. (With headphone jack) \$195.00

Four-way. (For Bryston equipment only) ... \$195.00

Two-way. (With headphone jack) \$125.00

Moving-Coil Step-Up Transformer

Designed to provide sufficient voltage to the preamplifier from low-output MC cartridges \$435

BUSH INDUSTRIES**AV765 Entertainment Center**

Audio compartment has twin glass doors enclosing three adjustable shelves; pull-out shelf for top-loading VCRs. Pecan vinyl veneer finish with wood grain or dark brown reversible doors \$329.95
AV755. With one glass door. 48 $\frac{1}{4}$ " W x 39" H x 17 $\frac{1}{2}$ " D \$279.95

OC-1460 Audio Cabinet

Features adjustable interior shelves; oak-trimmed tempered safety-glass doors; rear openings for wiring and heat dispersion; record dividers; set-back casters; 60 lbs; 44" H x 21" W x 17" D \$279.95
OC-1435. Slip-in television/VCR cabinet .. \$299.95
OC-1430. Video cabinet with roll-out shelf \$219.95

A665 Audio Cabinet

Cabinet accommodates today's 17" W components and older 19" W components. Three adjustable interior shelves; hidden casters. 102 lbs; 20 $\frac{1}{2}$ " W x 48" H x 17 $\frac{1}{2}$ " D \$199.95

A632 Audio Furniture Stand

Features five shelves; black dual-wheel casters. 45 lbs; 38 $\frac{1}{2}$ " H x 19 $\frac{1}{4}$ " W x 16" D \$115.95
Model A642. With hinged glass turntable top \$139.95
Model A646. With hinged glass turntable top \$159.95

6925 Audio Furniture Stand

Accommodates turntables up to 23" W x 15 $\frac{1}{4}$ " D on top shelf; 36" H x 23" W x 15 $\frac{1}{4}$ " D .. \$74.95

A634 Audio Rack

Features three adjustable interior shelves; Arcadian hickory side panels; ebony laminated top; safety tempered glass door; heat-dispersion back; 50 lbs; 18 $\frac{1}{4}$ " W x 35 $\frac{1}{2}$ " H x 15 $\frac{1}{2}$ " D \$119.95

AV762 Audio/Video Center

Features safety tempered glass door with three adjustable interior shelves; adjustable height VCR shelf; vertically accented doors and side panels; Arborwood finish; 47 $\frac{1}{8}$ " W x 47 $\frac{1}{8}$ " H x 15 $\frac{1}{8}$ " D \$249.95

AV740 Audio/Video Center

Features L-shaped design; safety tempered glass door; three adjustable audio shelves; vertically accented doors and side panels; Arborwood finish; 91 lbs; 47" W x 36" H x 14 $\frac{1}{8}$ " D \$169.95

A636 Audio Cabinet

Features safety tempered glass door; two adjustable shelves; vertically accented doors and side panels; dual wheel casters. Arborwood finish; 68 lbs; 18 $\frac{1}{4}$ " W x 42 $\frac{3}{4}$ " H x 14 $\frac{1}{8}$ " D \$139.95

CANTON**Connect Series Switchboxes**

Speaker system switchboxes for installation between amp outputs and speakers for desired routing.

Connect 60. Switchbox for 1-4 tape decks or up to 3 decks, 1 high-level source. Features regulators in left/right channels; 5-pole DIN jacks \$100
Connect 50. Similar to Connect 60 except for speaker switching. Handles 1-4 pairs speaker. Features volume controls for adjusting channels 2 and 4; connection to output of amps, receivers; DIN jacks .. \$100
Connect 20. Switchbox for 1-3 tape decks or 2 decks, 1 high-level signal source. Features left/right regulators; 5-pole DIN jacks \$60
Connect 10. Similar to Connect 20 except designed for 1-3 pairs speaker switching \$60

Record-Care Products

Discostat. Dry record-care kit containing Discostat toner-type cleaner; Styloclean stylus-cleaning fluid; Statex-cloth metallized record-care cloth \$30

Cantosweep. Record-care brush with antistatic carbon bristles. Removes static charges, dirt particles from grooves before play \$25
Styloclean. Cleaning fluid-appliator brush \$5

CARVER**MCT Moving-Coil Transformer**

MC transformer matches low output of MC phono cartridge to standard MM phono stage. Selector switch for 3.9, 39, 110 ohms to match virtually any MC cartridge. Gain 24 dB; FR 1-100,000 Hz \$129

CHICAGO SPEAKER STAND**Chicago Speaker Stands**

Speaker stands to elevate bookshelf, compact, and satellite loudspeakers to optimum listening height. Features tubular metal in welded construction for maximum stability and rigidity; adjustable spike feet; speaker cable clips; satin-black chip-resistant paint or optional chrome finish.

Hercules. 25" tall with spike feet, acoustic couplin pads, and isolated top plate \$125/pr
XLX-3000. Satellite stand 30" high \$89.95/pr
XLX-2000. Compact bookshelf speaker stand 20" high \$89.95/pr
Rd-2. Stand for bookshelf speaker 11 $\frac{3}{4}$ " high with casters \$79.95/pr
Rj-10. 10" high \$64.95/pr
WSX 250. Adjustable stand (2"-24") for audio/video loudspeakers. Includes mounting hardware \$59.95/pr
BB-02. 8" high \$39.00/pr

Grape Slate Mate

Isolation stand for turntables and CD players. Features spike feet; 3-point suspension system; 26" H; 18" x 22" top surface area \$198

VAR 4600 Series

Audio cabinet with glass and wooden doors. Features 4 shelves; black oak, red oak, walnut finishes. 46" H \$349

CLASSE AUDIO**MFE-1 Magnetic Flux Enhancer**

Placed over power transformers absorbs and dissipates stray magnetic fields, resulting in sonic improvements. 30 lbs of solid high-silicon steel; black oxide finish \$279
MFE.5. Same as above but 15 lbs \$219

Interconnect Cable

Modified LC-OFC with silver-plated connectors. Standard length 5 ft./ch \$99/pr

COUNTERFEET by SUMIKO**Cone-Shaped Feet**

C-4. Aluminum alloy with removable tapped wood screw \$7/ea
C-3. Said to reduce microphonics when placed under tube preamps and amps, and mistracking when placed under CD players. Aluminum alloy with removable tapped wood screw \$5 ea
C-37. Replaces feet of SOTA turntables \$10 ea
C-35. Replaces feet on Oracle turntables \$12 ea

CROWN**RTA-2 Real-Time Audio Analyzer**

Real-time spectrum analyzer in $\frac{1}{2}$ - and full-octave bands, switchable; consists of 32 single-pole-pair $\frac{1}{2}$ -octave bandpass filters centered on $\frac{1}{2}$ -octave intervals. Features 5" scope; lighted graticule; pink-noise generator; 800-20,000 Hz and 16-630 Hz fast/slow integration rate select controls; 5 or 10 dB/division select control; 0-70 dB input level control in 10-dB steps, 40-dB range vernier; internal balanced-input gain control. FR 16-20,000 Hz; sens at full-scale indication 15.2 mV-150 V, max in (unbalanced), 0.76 mV-3 V, max in (balanced); scans 32 chs in 16.6 msec; max output 1.1 V RMS min; balanced output

600 ohms/50 ohms (male XLR front connector), unbalanced output 300/25 ohms ($\frac{1}{4}$ " phone jack front and rear panel connector); 19" W x 15" D x 7" H \$2,450

CUSTOM WOODWORK & DESIGN

All CWD Woodmore cabinets are constructed with hand-selected solid oak or walnut side panels, matching wood veneer tops, bottoms, and high-capacity fully-adjustable shelves. Each cabinet is finished with a hand-rubbed oil and protective wax coating. All CWD cabinets are modular in design, to be used individually, grouped, or stacked to create complete entertainment centers.

KD-2102 21" Woodmore Cabinet

Includes one fully adjustable shelf and chrome casters. 21" H x 24" W x 19" D; natural oak \$210.00
KD-2103. Dark Oak \$210.00
KD-2104. Natural Walnut \$275.00

KD-3002 30" Woodmore Cabinet

Includes two fully adjustable shelves and chrome casters. Measures 30" H x 24" W x 19" D; natural oak \$275.00
KD-3003. Dark Oak \$275.00
KD-3004. Natural Walnut \$345.00

KD-4202 42" Woodmore Cabinet

Includes three fully adjustable shelves and chrome casters. Measures 42" H x 24" W x 19" D; natural oak \$335.00
KD-4203. Dark Oak \$335.00
KD-4204. Natural Walnut \$435.00

GL-4212 Woodmore Glass-Lid Cabinet

Includes two fully adjustable shelves, feather-light hinged lid and chrome casters. Measures 42" H x 24" W x 19" D; natural oak \$415.00
GL-4213. Dark Oak \$415.00
GL-4214. Natural Walnut \$515.00

ET-1572 Woodmore Entertainment Table

Includes wood base. Measures 16" H x 47 $\frac{1}{2}$ " W x 19" D; natural oak \$345.00
ET-1573. Dark Oak \$345.00
ET-1574. Natural Walnut \$425.00

LB-3072 Woodmore Lowboy Cabinet

Includes four fully adjustable shelves and chrome casters. Measures 30" H x 47 $\frac{1}{2}$ " W x 19" D; natural oak \$415.00
LB-3073. Dark Oak \$415.00
LB-3074. Natural Walnut \$515.00

SB-2172 Woodmore Smallboy

Two adjustable shelves. 47 $\frac{1}{4}$ " W x 21" H x 19" D \$325.00
SB-2173. \$325.00
SB-2174. \$410.00

VC-3052 Woodmore Video Cube

$\frac{3}{4}$ " stacking rail for stacking on top of the Woodmore monitor cart \$265.00
VC-3053. \$265.00
VC-3054. \$345.00

MC-2152 Woodmore Monitor Cart

Includes one fully adjustable shelf and chrome casters. Measures 21" H x 30 $\frac{1}{2}$ " W x 19" D; natural oak \$235.00
MC-2153. Dark Oak \$235.00
MC-2154. Natural Walnut \$315.00

Roll Wood Door

Glides down over cabinet to conceal components. Made of wood veneered, razor-sliced slats, it glides easily on precision engineered solid wood track; walnut veneer \$175.00
Oak Veneer. \$160.00

Optional Doors

Optional wood and glass doors are available for all the Woodmore cabinets. Glass doors are available with chrome, brass or black hardware. Solid wood doors

DBP-9P. Gold-plated dual banana plugs (2 pk) \$17.95
DBP-9J. Gold-plated dual banana jacks (2 pk) \$17.95
DBP-13J. 1/4" gold-plated phono jacks (8 pk) \$14.95
DBP-13JR. 3/8" gold-plated phono jacks (8 pk) \$19.95
DBP-13P. Gold-plated phono plugs (8 pk) \$9.95
DBP-13PM. Gold-plated phono plugs, 4 red, 4 black \$21.95
DBP-13PX. Gold-plated phono plugs (2 pk) \$14.95
DBP-14. Gold-plated spade lugs (8 pk) \$5.95
DBP-15. Gold-plated Y-adaptors (2 pk) \$12.95

DBP-6 Phono Equalization Kit

Permits adding 100-400 pF of capacitance to phono input of any preamp or receiver. Consists of 2 Y adaptors, set of gold-plated phono plugs with polystyrene capacitors wired to give 100, 150, 200, 300, 400 pF. Resistive load (1%) included for experimenting with MC cartridges plus pair of empty plugs for making custom values \$36.95
DBP-6MC. Similar to DBP-6 except for MC cartridges. Loads are 1% 10-, 20-, 50-, 100-, 200- metal-film resistors. Two empty plugs included \$36.95

DBP-10 Phono Alignment Protractor

Accurately measures lateral tracking error of mounted phono cartridges to within 0.25". Instructions provided to optimize geometry, set correct overhang for minimum error and distortion, useful when checking vertical tracking angle. Comes with carrying case \$24.95

DBP-CK Cramolin Audio Kit

Contact cleaning system. Dissolves and prevents oxide formation. Reduces noise and distortion 16.50

DBP-VSP Voltage Spike Protector

Plug-in power line adaptor limits voltage surges that can damage solid state components \$14.95

DBP-SC Souther Clever Clamp

Lightweight clear record clamp. 23 g \$10

dbx

Model 200X Program Route Selector

Rack-mountable passive switching box has inputs/outputs for 3 sound processors, 1 NR unit and 3 tape decks. Direct-dubbing between decks \$149

Model 400X Program Route Selector

Rack-mountable powered switching box has same capabilities and dimensions as above except dubbing can be interrupted by sound processors and/or encode/decode side of NR unit. Lighted pushbuttons show program route \$249

DENNESEN ELECTROSTATICS

Pivotram

Locates proper spot to drill tonearm mounting hole. Made of aircraft aluminum \$100.00

Sound Tractor

Phono cartridge alignment protractor gives proper distance and offset angle for any pivoted in one simple step. Made of aircraft aluminum. 1 lb; 12" x 2" x 3" \$100.00
 Same unit but made of plastic \$35.00

Polaris

Indoor FM antenna. Totally passive, yet has as much as 14 dB more signal gain than dipole antenna normally used. Includes coax cable and balance. 1 lb; 18" x 2" x 2" \$40.00

D.G. INDUSTRIES

Compact Disk Storage

Stackable plexiglass CD tray. Features storage of 29 CD discs; tilts discs for easy reading. \$29.95/ea

DISCWASHER

LP & Stylus Care Products

DiscKit® Record Care

Contains D4+ record care system, Zerostat antistatic instrument, SC-2 stylus-care system housed in DiscOrganizer \$55.00

Discset®

Provides essentials of record, and stylus care; includes D4+ Record Care System, SC-2 Stylus Care System in milled walnut base \$24.95

Zerostat®

Anti-static instrument neutralizes static charges on virtually any surface; works without coating by showing surface with millions of positive and negative ions \$23.00

Discwasher Compact Disc Cleaner

Includes a compact disc cleaning unit, CD-1 cleaning fluid, cleaning pad grooming brush and replacement cleaning pad. 14 oz; 6 3/4" W x 5 1/4" H x 1 1/4" D \$19.95

D4+ Record Care System

Safe record-cleaning system designed to remove contaminants without reducing record fidelity. Consists of D4+ fluid that lifts, suspends contaminants; soft-fiber pad with hand-milled walnut handle to remove debris and dry record;

DC-1 pad-cleaner brush \$16.50
 1.25 oz replacement fluid \$2.50
 6 oz replacement fluid \$10.00
 16 oz replacement fluid \$17.00
 DC-1 brush \$0.69

Special formula for 78s

16-oz bottle \$17.00
 1 1/2-oz bottle \$2.50

Discorganizer

Milled walnut tray with dust cover designed to hold D4+ Record Care System, SC-2 Stylus Care System, Zerostat Anti-Static Instrument, provide space for reserve spindles, stylus guards, cartridges, other phono accessories \$15.00

'Stat II Mat

Turntable mat reduces static charges on contact, provides cushion to reduce sonic, mechanical feedback between record and turntable platter \$8.50

SC-2 Stylus Cleaner System

Includes scientifically safe cleaning fluid, precision nylon-fiber brush designed to safely remove stylus con tamination. Brush has attached stylus-inspection magnifying mirror; housed in walnut handle .. \$8.50

V.R.P. Record Sleeves

Scratch-free record liner sleeves that prevent static charge buildup during record storage and removal from sleeve. Super smooth surface will not ooze plastic additives onto record; package of 10 \$3.50

Cables

Gold-ens® Audio Cables

Perfectionist cables for audio, video; provide ultra-low capacitance with heavy gold-plated connections with molded nylon insulating sleeves.

1/2-meter \$11.95
 1-meter \$12.95
 2-meter \$13.50

Tape Recording Accessories

D'Mag® Cassette Deck Demagnetizer

Demagnetizes tape heads, capstans, and entire tape path. Requires no batteries or power cords. \$19.95

Discwasher® Tape Deck CareSet™

Includes Perfect Path® Cassette Head Cleaner and C.P.R.® Capstan Pinch Roller Cleaner \$14.95

C.P.R.® Capstan/Pinch-Roller Cleaner

"Positive Drive" cleaning system for cassette decks designed to safely scrub pinch rollers, capstans with advancable cleaning fabric and harmless fluid \$9.95

10-cc C.P.R. fluid refill \$1.25

Perfect Path® Cassette Head Cleaner

Nonabrasive dry system for audio cassette decks designed to remove oxides, and gummy residue along tape path and on tape heads \$6.95

ENTRE by ANALOG EXCELLENCE

ET-100 Step-Up Transformer

Step-up transformer for MC cartridges. Can take 3 stereo connections at once with selection on front panel. Has 4-way switch on front panel for imp matching to MM cartridges (3, 20, 40 ohm and pass). 130 mm W x 70 mm H x 186 mm D; 2 kg \$300

FISCHER AMERICA

330 34 C Box Drawer

Cassette storage case. Each drawer holds 10 cassettes; 5 1/4" W x 4" H x 9 1/4" D; 1 lb \$22.99
3306. Same as above with lock \$27.99

33032 C Box Carousel

Carousel revolves and is stackable. Each carousel holds 16 cassettes with index labels; 8 1/2" W x 4" H x 8 1/2" D; 1 lb \$21.99

33057 Car Carry Case

Case that holds 12 cassettes without the Norelco box for one handed operation while driving. Black; 4 3/4" W x 11 1/2" H x 3 3/4" D; 1 lb \$16.99

33021. Same as above with index labels; burgundy color \$16.99

33024. Same as above with index labels; slate color \$16.99

33050 Universal Horizontal

Auto cassette storage system that mounts under dash, on dash, or on console. Features push button release of cassettes; made of ABS resin and padded to insure safety of cassettes \$16.99
33052. universal vertical. \$16.99

33017 Teen Tote

Holds ten cassettes. Blue with red pushbuttons; 5 1/2" W x 7" H x 3 3/4" D; 1 lb \$15.99

33018. Same as above except in green with blue buttons \$15.99

33018. Red with green buttons \$15.99

33030 C Box Rack

Holds 9 cassettes and is stackable. 14" W x 4 3/4" H x 3 3/4" D; 1 lb \$14.99

33004 Cassette Storage

Five interlocking units with index labels \$4.49
33006. Ten units \$8.98
33013. Ten units with individual labels and index cards for each box \$9.98

GUSDORF

5890 Audio/Video Entertainment Center

Houses combined stereo and video systems. Plentiful storage for multiple components, mid-section proportioned for up to a 25-inch color TV plus two stereo speakers. Features tambour treatment; antique bronze-tone trim and pull handles; sculpted corners; rear access ports; heat ventilating system; available in hickory grain finish. 46 3/4" W x 66 3/4" H x 22 1/2" D; 250 lbs \$479.95

5860 Entertainment Center

Three units, which can be used alone or combined. All finished in hickory with antique brass-tone accents and tambour wood-working. Features adjustable shelves; pull out turntable shelf; tempered safety glass doors with silkscreen ribbing; heat ventilating rear panels and wiring ports; adaptable as a bar or compact computer work center; video center houses 19-inch TV with VCR or cable box. 19" W x 72" H x 15 1/2" D; 118.6 lbs \$379.95

5540 Entertainment Center

Features adjustable shelves; tempered safety glass

door; adaptable slip-in compartment for 19 or 25-inch TV; shelf for VCR and cable box; sectional storage cabinet for videocassettes; rear ventilation panels; wire organizers; removable record dividers. 48 1/4" W x 47 1/16" H x 19" D; 162 lbs; oak finish..... \$299.95

3375 Audio Cabinet

Contemporary audio cabinet designed with compatible video cart. Features double doors of tempered safety glass; three ebony finished shelves; glass top lid that lifts for easy access to turntable. 19" W x 38 3/16" H x 16" D; 70 lbs; oak or dark walnut finish..... \$149.95

5465 VistaRak

Vertical audio cabinet in paradise hickory with Silverstone slate gray finish on shelves, chrome trim and accent moldings. Features single tempered safety-glass door; glass canopy with spring-loaded hinges opens for turntable access; four adjustable shelves; double-wheel casters; removable record dividers support nearly 200 LPs. 29 1/2" H x 19" W x 14 1/4" D..... \$140

1605 Compact Audio Rack

Contemporary rack for compact audio systems. Speaker stands can be mounted on the sides of the unit or detached. Silver and ebony finish with chrome trim. Storage for cassettes and LPs. Chrome-covered dual-wheel casters. 38 1/4" W with speaker stands attached x 22 1/4" H x 14 3/4" D; top shelf is 15 1/4" W..... \$85.95

1600 Compact Audio Cabinet

For compact audio systems. Paradise hickory with chrome accents; adjustable shelves conform to height of components; storage for albums and cassettes..... \$67.95

HEATH

AD-1308 Real Time Spectrum Analyzer

Hand-held, microprocessor-controlled 1/2:1 octave spectrum analyzer. Gives precise means of spectral evaluation. Provides visual display of line input or acoustic-pickup spectral response and sound pressure level; 5 lbs..... \$280.00

HEYBROOK by D'ASCANIO

AK-1

Cartridge-mounting kit with high-tensile screws and nuts; allen key wrench; open-end nut wrench; overhang protractor..... \$8.00

HBS-3

Loudspeaker stands designed for stable, rigid support. Four adjustable pointed spike feet. 13 1/4" W x 10" H x 11 1/4" D; 18 lbs..... \$98.00/pr

HBS-1. Similar to HBS-3. 20" H x 14" x 14" D; 36 lbs..... \$118.00/pr

HIGHPHONIC by ANALOG EXCELLENCE

MC Step-Up Transformers

HP-T7H. For use with 15-40 ohm MC cartridges. Distortion < 0.01%; 6" x 3" x 5"; 4.4 lbs..... \$599.00

HP-TL7. Same as above except for 1-10 ohm cartridges..... \$599.00

HP-T5. For use with 10-40 ohm MC cartridges. Features gold finish; aluminum case. Distortion < 0.02%. 6" x 3" x 4"; 3lbs..... \$399.00

HP-S5 Headshell

Features gold finish color; aluminum alloy with OFC copper lead wires; cartridge mounting screws which go directly into fingerlift. 13 g..... \$50.00

HITACHI

AD-091 Electronic Head Demagnetizer

Silver-oxide cassette demagnetizer usable for approx 500 1-sec demagnetizations. Uses 650 Hz; black. 4" W x 1/2" H x 2 1/2" D; 0.1 lb..... \$25.00

INNOVATIVE CONCEPTS

ProView® CD Storage File

Plastic storage rack with touch-release mechanism holds 18 Compact Discs vertically. Racks may be stacked. Satin-gloss black..... \$14.95

INTRACLEAN by A & B ENTERPRISES

SC-1200 Compact Disc Cabinet

Solid-oak cabinet with 2 slotted drawers holding 28 CDs each (total of 56). Light oak stain, furniture-grade lacquer. 13 1/2" x 13 1/4" x 13 1/2"..... \$149.95

C-911-A Auto-Reverse Cleaner

Cleaning fluid loosens oxides and other contaminants that adhere to tape heads; 1 oz..... \$11.95

S-11 Professional Head Cleaner

Tape head, capstan, and pinch-roller cleaning solution. 2 fl oz..... \$6.95

KINETIC AUDIO INT'L

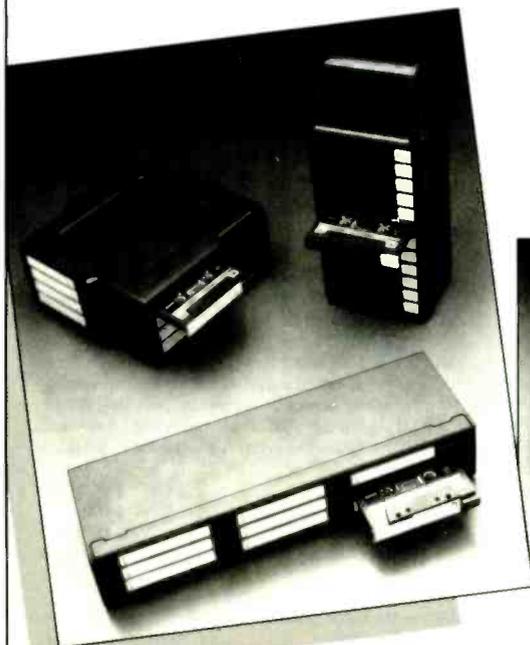
Stereo Amplifier/Line-Level Control

For bi/multi-amping, other amp level adjustments. Features 10k-, 25k-, 50k-ohm imp; phono jacks; connectors; mounting hardware..... \$99.00

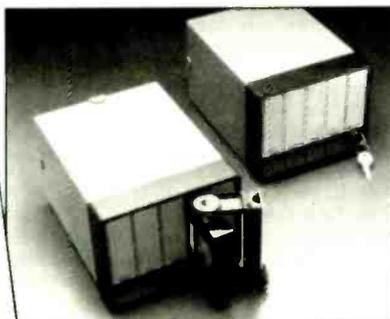
Amplifier/Speaker Selector

Switches 2 stereo amps into single pair of speakers or

PRESSTO... YOUR FAVORITES!



Fischer C Boxes are pushbutton storage/access systems that protect and organize your favorite audio and video cassettes. A mere touch of a C Box button is all you need to get Sinatra in a snap or *SPLASH* in a flash—clean, wound, and ready to play.



Cassettes receive unequalled protection from dirt, dust, heat, and physical damage. And you enjoy unequalled quality, styling, and convenience.

C Boxes for home use are a modular/stackable design, so as to accommodate your growing tape library. For tapes that travel, there's a C Box made for every domestic and imported car, in either a custom or universal model. They install quickly and easily. With no tools.

Call or write today for a Fischer C Box dealer near you, so you can keep your favorites at your fingertips.

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Fischer America, Inc.

175 Route 46 West, Fairfield, New Jersey 07006 (201) 227-9283

CIRCLE NO. 60 ON READER SERVICE CARD

2 pairs of speakers from single stereo amp \$99.00

Speaker Stands

Straight or tilted speaker stands with dual angle up/down capability and flat black satin finish.

S-S. Small \$99.00/pr
S-M. Medium \$119.00/pr
S-L. Large \$129.00/pr

Cabinets

Furniture-styled equipment/record/tape cabinets. Can be stacked; adjustable-height shelves or rack rails; walnut veneer over particle-board side panels.

EC-XL. 48" H x 21" W x 18" D. Deluxe unit with Plexiglass door, black dual-wheel casters... \$449.00
EC-L. 48" H x 21" W x 18" D \$179.00
EC-M. 38" H x 21" W x 14" D \$149.00
EC-S. 24" H x 21" W x 14" D \$99.00

KLYNE AUDIO ARTS

SK-2A Pre-preamplifier

Pre-amplifier for low output MC cartridges. Features ultra low distortion and high resolution design. Gain 27 dB; bandwidth 0.8-350,000 Hz; output imp 300 ohms; input imp 0-47,000 kohms (adjustable). 4.4" W x 2.3" H x 9.4" D; 4 lbs \$695.00

KOSS

Demagnetizers

KED/1. Electronic demagnetizer with LED indicator \$16.99
KCT 4000. Illuminated demagnetizer for cassette, open-reel, 8-track, VCR machines. Features soft guard tip; pinpoint light \$14.99

Recording Accessories

KCT 3010. Total cassette machine care kit designed for automatic, manual decks. Includes inspection mirror; cleaning probes; tape fluid \$5.99
Tape Recorder Cleaning Kit \$3.99
KCT 2010. Automatic cassette machine care kit. Includes cleaning fluid; housing brush \$2.99
KCT-2000. Audio/Video Tape-Head Cleaner for use with all cleaning products for tape machines. Leaves no harmful residue. 2 fluid oz \$1.99
Cassette Head Cleaner \$1.69

Headphone Accessories

KEC-25. 25-ft coiled extension cord \$7.99
KEC-10. 10-ft straight extension cord \$5.99
KMA-200. 1/4" to 1/8" mono plug adaptor \$1.99
KSA-100. 1/4" to 1/8" stereo plug adaptor \$1.99
KSA-200. Stereo plug adaptor 1/4" to 1/8" \$1.99

LP & Stylus Care Line

KMR-400. Antistatic disc cleaner designed to eliminate static, remove fine dust. Requires no cleaning solutions; stores in own case \$5.69
Anti-Static Disc Cleaner \$5.69
KCS-303. Total record, stylus care kit. Includes record purifier; record, stylus fluid; stylus cleaning brush; inspection mirror \$4.99
Total Record and Stylus Care \$4.99
KCS-100. Clean Sweep record purifier prolongs record life. Contains 2000 cleaning bristles/sq in. Includes dust-free storage box \$2.39
Clean Sweep Record Purifier \$2.39
KCS-2000. No-residue record, stylus cleaning fluid in 2-oz bottle \$1.69
Record and Stylus Cleaning Fluid \$1.69

LASER BY SWIRE MAGNETIC

Tape Accessories

Audio head demagnetizer \$15.99
Wet head cleaner \$4.99
Dry head cleaner \$1.39

THE LAST FACTORY

Record & Stylus Care

Formula 1. For first-play and deep-cleaning use; 2 oz \$13.95
Formula 2. Extra-strength record preservative; 2

oz \$16.95
Formula 3. All-purpose record cleaner; 2 oz .. \$8.95
Formula 4. Stylus cleaner with stylus cleaning brush; contains no alcohol; 1/4 oz \$7.95
Formula 5. Stylus treatment; 1/4 oz \$19.95
Formulas 2 & 3 Combo Kit. Record preservative and all-purpose record cleaner; two 2 oz bottles \$19.95
Formulas 4 & 5 Combo Kit. Stylus cleaner and stylus treatment with built-in applicator and stylus cleaning brush; two 1/4 oz bottles \$24.95
Formulas 1 & 3 Trial Kit. Extra strength record cleaner and all-purpose record cleaner with micro-fiber applicators; two 1/2 oz bottles \$7.95
Formulas 2 & 3 Trial Kit. Record preservative and all-purpose record cleaner with micro-fiber applicators; two 1/2 oz bottles \$9.95
Formulas 1, 2, 3 Trial Kit. Extra-strength record cleaner, record preservative, and all-purpose record cleaner; three 1/2 oz bottles \$13.95

Compact Disc Care

Formula 6. Compact disc protection system. Features scratch protective cleaner treatment; 10 exclusive Digi-Last™ protective disc shields; applicator and base unit \$24.95

Audio Cassette Care

Formula 7. Cassette head and tape path cleaner. Features two cassette mechanisms; head cleaner/tape path treatment; exclusive tape path cleaner formula \$9.95

MEMOREX BY MEMETEX

Electronic Cassette Demagnetizer

Battery-powered head demagnetizing system. Eliminates residual magnetism to keep recordings free of noise and distortion. Works in less than 1 sec on any deck \$24.99

Auto Lighter DC Power Adapter

Power battery-operated radio, tape player, or personal portable through car lighter socket. Features 6 plug types, 5 voltages, and 2 polarities \$14.99

Compact Disc Cleaner

Cleans digital discs for accurate music; restores uniform disc reflectivity. Includes cleaning solution, pad, bristle brush, and storage case \$14.99

Double Pair Stereo Cable

Features 4 coaxial cables in one for orderly cabling of system components; stranded pure copper conductors for maximum frequency response and low distortion; color-coded RCA phono-type plugs. Gold plated for maximum signal transfer and interference-free reception \$11.99

Deluxe Speaker Cable

Premium speaker cable upgrades system for better fidelity and transient response. Features 16 gauge heavy-duty cable (60% more copper than 18 gauge) and 19 strand pure copper conductors for high conductivity and low signal loss \$11.99

Graphite Filament Record Cleaner

Cleans and neutralizes static electricity. Features electrically conductive graphite microbristles that fully reach into the bottom of record grooves for thorough cleaning \$5.99

Audio Patch Cables

Features gold plating for maximum signal transfer; low capacitance, heavy shielding for truest sound; 95% braided copper shielding for high frequency response and low distortion.
6 Foot Length \$6.99
4 Foot Length \$4.99

FM Dipole Antenna

Features folded dipole design length-tuned to optimum wavelength for FM radio band. No wire stripping necessary \$1.99

3-Pack Audio Albums

Design allows tape end in or out for hassle-free stor-

age. Cassette protection for home or car \$9.99

Tape and Record Care Products

X-CD. Cassette Head Cleaner/Demagnetizer .. \$6.99
Record Care Kit \$5.99
Cassette Cleaning Kit \$2.99
Record Cleaner \$2.99
Record Cleaning Fluid \$2.69
Cassette Head Cleaner \$1.89

MISSION ELECTRONICS

ISOPLAT Isolation Platform

Isolates vibrations and resonances from equipment. Design based on critical application of vertical sandwich of highly inert fiberboard and Sorbothane feet. Capable of controlling damping vibrations in all 6 rotational translational axes \$59.00

SORBOMAT Turntable Mat

Made from impregnated Sorbothane polymers; design optimized to isolate rumble, mo'or vibrations, bearing noise, platter ringing, etc., from cartridge .. \$39.00

Miscellaneous Accessories

Record clamp \$39.00
Speaker cable \$2.00/ft

MOGAMI

Audio Cable

Mogami Puroflex 3603. Audio cable with precision-molded heavy-duty strain reliefs for easy connections; satin black finish with color-coded ends \$10.00
3606. Stereo cable 6-feet long \$12
Stereo Gold Puroflex. Molded stereo audio cable 36" long; gold color-coded ends; gold-plated RCA-type connectors \$10.00

MONSTER CABLE

Connecting Cables

Improved version of original Monster Cable with new strand configuration designed for midrange clarity, faster transient response, and extended low and high FR. From spool, not pre-cut \$0.95/ft
Pre-cut, with universal gold pin ends with lock-notch.
50 ft \$90.00/pr
30 ft \$55.00/pr
20 ft \$40.00/pr
15 ft \$30.00/pr

Interlink CD Cable

Interconnect cable for CD players. Designed to increase performance and sound quality. ... \$3.00/ft
1 meter pr \$50.00
2 meter pr \$70.00
20 ft pr \$150.00

Interlink Reference Connecting Cables

Connecting wire with 3-wire multiple-gauge network for each conductor. Thick core wire for frequencies below 300 Hz, 4 medium conductors for midrange, hair-thin woven stranded wires for 700+ Hz. (Also available in custom lengths) \$80.00/meter pr

Interlink Special Interconnect cable

Utilizes the same "Bandwidth Balanced™" technology as Interlink Reference in a more compact size. Will accept DIN connectors for tonearm use and Lemo® connectors for use with Levinson electronics. . \$3.00/ft unterminated
1.0 m \$50.00/pr
0.5 m \$40.00/pr
2.0 m \$70.00/pr
20 ft \$150.00/pr

Interlink 4 Interconnect Cable

Utilizes the same "Bandwidth Balanced™" design as Interlink Reference \$1.25/ft unterminated
1.0 m \$25.00/pr
0.5 m \$20.00/pr
1.5 m \$30.00/pr
2.0 m \$35.00/pr
20 ft \$60.00/pr

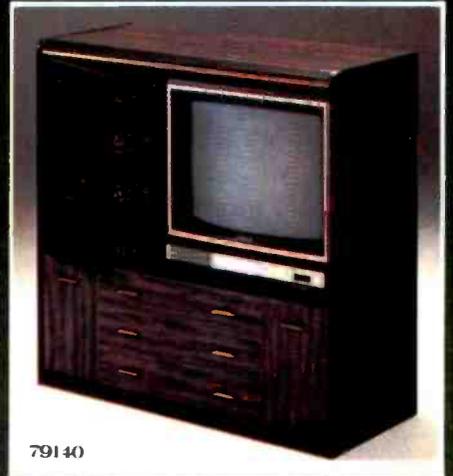
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Superflex Speaker Wire

High-purity copper speaker wire with flexible Duraflex insulation; dividing web between the 2 conductors. Same stranding configuration as Monster Cable but fewer strands of wire \$0.50/ft
 25 ft \$35.00/pr
 15 ft \$21.00/pr
 10 ft \$16.00/pr

Powerline 2 Speaker Cable

Utilizes a new "Time Coherent" winding configuration. Eliminates phase inaccuracies, aligns highs and lows for improved frequency response and imaging \$2.75/ft, unterminated
Powerline 3. Smaller version of Powerline 2 \$1.50/ft.

Alpha Plus MC Preamp

Dual-mono preamplifier for MC cartridges. Interfaces with all MC cartridges \$375.00

Soundex Panels

Acoustic control panels to cut unwanted room resonances. Wall-mounting and free-standing styles. Sizes from 34" x 60" to 48" x 78" \$160.00-\$410.00

NAGATRONICS**Ag 9200 Z Coupler**

Impedance, level-coupling device designed for 3-ohm output impedance of Nagatron ribbon cartridge or most low-output MC cartridges to 47k-ohm input impedance of magnetic input stage on most preamps. Features chemically pure silver windings, very short magnetic circuit; selector switch for balanced or unbalanced line hook-up. Input imp 3 ohms; output imp 33k ohms; load resistance 47k ohms minimum; load capacitance 200 pF; FR 12-35,000 Hz ± 0.5 dB; max input 300 mV at 50 Hz; distortion 0.0001% at 5 mV in, 1 kHz; crosstalk 75 dB; gain 40 dB \$425.00

NAKAMICHI**PS-100 Power Supply**

Produces ± 10 volts DC for MX-100, other Nakamichi blackbox series components; can power up to 6 components \$100.00

DM-10 Head Demagnetizer

Tape head demagnetizer \$30.00

SF-10 Subsonic Filters

Compact passive filters operate at line level to remove turntable rumble and other infrasonics caused by record warps and tonearm/cartridge resonances \$15.00/pr

DM-100 Demagnetizer

Demagnetizer for MM, MC phono cartridges, dynamic speakers, and headphones. 164 mm W x 77 mm H x 100 mm D; 0.7 kg \$100.00

DF-100 AC Polarity Direction Finder

Aides in correctly plugging in AC power cords for better audio sound quality. Uses 9 V battery .. \$75.00

AV-101B or S Headshell

Universal-type headshell with adjustable azimuth and overhang. Rigid type suitable for MC cartridge. 16 g; black or silver \$30.00
AV-1. For MC or MM cartridges. 10 g \$25.00
AV-11. For MM cartridges. 8 g \$20.00

NIKKO**NPS-1 Power Distributor**

Rack mountable central power switch for turning on a stereo system \$169.00

NILES AUDIO**MSA-10 Speaker Switching System**

Enables play of up to 10 pairs of 4, 6, or 8 ohm speakers off of any stereo amplifier. Features high power imp matching transformers; logic circuitry; 10

front-panel controls; rear connector accepts up to 14 gauge speaker wire; separate L+R ch grounds for use with bridged amps. Power handling 250 W/ch. Walnut side panels standard, rack mount ears optional. 12 lbs; 17" W x 3 1/2" H x 6" D \$550.00

SVC-4 Speaker Selector/Volume Control

Speaker selection system for 4 pairs of speakers. Features individual volume controls; connection for second amp; auto-transformers; separate L+R ch ground connections for use with bridged amps. 8 lbs; 11.2" W x 4 1/4" H x 5 1/4" D \$280.00

CPM-31 Patching Matrix

6 x 6 patching matrix to connect tape decks, equalizers, and NR units. Allows a component's output to be fed to another component's input. Passive unit with RCA jacks on rear. 9" W x 4" H x 8.75" D; 6 lbs \$180.00

HD-5W Speaker Switching Box

Connects up to four pairs of speakers to a receiver and plays any or all pairs simultaneously. Accommodates most kinds of wire or connectors. Features 5-way rear panel terminals; separate L+R ch grounds; impedance protection. Can be used with any type power amp; handles up to 250 W/ch. 3 lbs; 12 1/2" W x 3 3/4" H x 6" D \$150.00
CPM-2. Similar to CPM-31 except with 4 x 4 matrix \$100.00

Speaker Selection Systems

Connects up to 4 pairs of speakers to a receiver and plays any or all pairs simultaneously. Accommodates high-definition speaker cables. Features imp protection switch; separate L+R ch grounds. Handles 200 W/ch; genuine walnut side panels; rack mount brackets optional.

HDS-1. Banana jack connectors \$130.00
Rack mounts \$15.00

SPS-1. Similar to above except accommodates up to 14 gauge speaker wire and power handling capacity up to 100 W/ch. Genuine walnut side panels \$80.00

SCW-1 Volume Control

Wall-mounted stereo volume controls for remote speakers. Use of auto-transformers instead of L-pads \$69.95
SCW-2. Similar to SCW-1 with stereo headphone jack \$79.95

TSB-3 Tape Deck Switch Box

Allows record, playback and dub between any of 3 tape decks. Patching performed by turning knobs. Features RCA phono jacks; optional rack-mount ears and walnut end panels. 7 1/4" W x 2.65" H x 5.6" D. 2 lbs \$75.00

DPS-1 Amplifier/Speaker A-B Selector

Permits either of 2 amps to be played into a single pair of speakers, or a single amplifier to play into either of 2 pairs of speakers. Features high power A-B selector switch box; handles 300 W/ch; rear panel connector for up to 14 gauge speaker cable or high definition wire pin connector. 2 lbs; 6 1/4" W x 2.8" H x 3 3/4" D \$60.00

APX-1 Auxiliary Input Selector

5-input, 1-output stereo selector box for 5 line-level signal sources. Allows selection by turning a knob. 1 lb; 5 1/2" W x 2 1/2" H x 5 3/4" D \$60.00

PS-1 Phono A-B Switcher

Connects 2 turntables to a receiver with only one phono input. Features L+R ch grounds; switches both the hot and the grounds for total isolation; RCA phono connectors. 4.725" W x 1.9" H x 4" D; 1/2 lbs \$45.00

NITTY GRITTY**Pro MK I Record Cleaner**

Professional-type record cleaner designed for consumer use. Wets, scrubs, and vacuums both sides of record simultaneously. Cleans record of all dust, grease, and static charge. Features large oak cabinet; strong vacuum motor; quieter operation. 18" W x

11" H x 11" D; 31 lbs \$699.00
3.5 Fl. Same as above except cleans one side at a time \$539.00
2.5 Fl. Similar to 3.5 Fl. 15" W x 9" H x 9" D \$439.00
1.5 Fl. Similar to 2.5 Fl except no solid oak cabinet \$389.00

NORTRONICS**QM-211 Professional Bulk Eraser**

Erases reel-to-reel, cassette, 8-track cartridge tapes to the noise level of virgin tapes. Features 2300 gauss flux intensity. 2" W x 3 1/2" H x 5" D; 2 lbs, 4 oz \$54.95

QM-230 Cassette Bulk Eraser

Self-powered hand-held bulk eraser for cassettes. Features Cyclocac® case \$34.95

QM-Series Tape Splicing Blocks

Specially grooved to firmly hold tape during splicing. Features 2 deep slits for straight, diagonal cuts. Supplied with double-backed adhesive for mounting without drilling; stainless-steel cutter. 5 1/4" W x 1" D x 3/16" H.

QM-311. For 1/4" tapes \$30.80
QM-312. For cassette tapes \$30.80

PF-601 Magnetic Tape Developer

Makes magnetic recording visible for determining proper track location, head/track positioning, etc. Fine powder aerosol that will not harm tape, tape coating, recording; wipes off after use. 4-oz can \$15.00

QM-505 Cellular Foam Swabs

Package of 25 swabs, for cleaning audio, video tape decks \$9.40

QM-116 Tape & Head Cleaner

Aerosol spray cleaner with extension tube to reach recessed parts. Safe for audio, video decks. 16-oz can \$8.50

QM-142 Cassette Head & Capstan Cleaner

Nonabrasive, spun-bonded polyester tape with extra large pressure pad for cleaning entire head. Includes residue-free cleaning solution. \$8.40

QM-103 Tape/Head Cleaner

Aerosol tape and head cleaner blasts loose oxides, dirt. Supplied with extension tube \$6.00

QM-108 Tape/Head Cleaner

Liquid tape and head cleaner in 8-oz can \$6.10

QM-102 Tape Head Cleaner

Liquid tape head cleaner in 2-oz bottle. Leaves no residue; can be used on capstans, pinch rollers. \$5.20
QM-122. Same as QM-102 but in 1.7-oz spill-proof bottle \$4.50

Reel Tabs

Precut adhesive-backed Mylar or metal tabs for tape splicing, editing. Designed for use with Nortronics splicing equipment.

1/4" Mylar Reel Tabs

QM-531. 1,000/pkg. \$60.80
QM-526. 200/pkg. \$15.60
QM-521. 50/pkg. \$7.20

Cassette Mylar Reel Tabs

PF-527. 200/pkg \$15.60
QM-522. 50/pkg \$7.20
QM-524. 50/pkg \$7.20

ONKYO**CB-90V Audio Rack**

Rack for Integra and Onkyo components. Features black wood; chrome trim; tinted glass; double doors; locking casters; adjustable shelves. 20 1/4" W x 35 1/8" H x 18 1/2" D; 19 1/8" internal width; 56 lbs \$300.00

O'SULLIVAN INDUSTRIES

79180 Entertainment Center

Features 3 adjustable component shelves, TV shelf; adjustable shelf for front loading VCRs; storage area for records, tapes, and accessories; brass door pulls. 47 $\frac{1}{2}$ " H x 19 $\frac{1}{2}$ " D x 27 $\frac{1}{2}$ " W \$339.95

79170 Entertainment Center

Features 3 large drawers; 2 storage areas; 25" TV area; tempered solar-bronze glass door; 3 adjustable component shelves; brass and oak pulls. Ebony and oak laminates; 47 $\frac{1}{4}$ " H x 21" D x 48 $\frac{1}{4}$ " W \$319.95

79140 Entertainment Center

Features 3 large drawers and twin doors for storage; tempered solar-bronze glass door; 3 adjustable ebony shelves; 26" TV area with adjustable shelf; metal pulls and brass trim accents. Rosewood and ebony laminates; 47 $\frac{1}{4}$ " H x 19 $\frac{1}{2}$ " D x 48 $\frac{1}{2}$ " W \$319.95

DC980 Audio/Video Center Cabinet

Honey elm vinyl-laminate finished cabinet for up to 4 audio components on adjustable shelves behind a tempered-glass door on left side and for up to 19" TV, VCR or VDP on a pull-out shelf on right side; 2 separate storage compartments behind wood-look doors along bottom. 47 $\frac{1}{2}$ " H x 49" W x 19 $\frac{1}{2}$ " D overall; left shelves 19 $\frac{1}{2}$ " W x 27" H VCR/VDP shelf 27" W x 16" D; TV shelf 27" W x 26" H \$299.95

AR195 Audio Cabinet

Features rounded-rail design and lift-lid over turntable area and tape storage compartment. Twin, tempered solar-bronze glass doors screen 4, adjustable black pebble grain component shelves. Features a foam-cushioned cassette storage compartment; large record storage area. Finished in lagos hickory vinyl laminates and a black pebble grain base. 30" H x 19 $\frac{1}{2}$ " D x 50 $\frac{1}{2}$ " W \$299.95

79189 Vertical Entertainment Center

Features 4 sculptured solid oak rails; tempered, clear glass door; adjustable component shelves; storage areas for albums or tapes; area for 25-inch TV; adjustable shelf; twin doors; brass door. 70 $\frac{1}{2}$ " H x 19 $\frac{1}{2}$ " D; 28 $\frac{1}{2}$ " W \$299.95

79150 Entertainment Center

Features twin tempered solar-bronze glass doors; dark brown laminate shelf and pull-out turntable shelf; 26" TV area with adjustable shelf; twin doors on the side for storage; chrome-finish trim accents. Colonial oak laminates; 47 $\frac{1}{2}$ " H x 20" D x 42 $\frac{1}{2}$ " W \$279.95

79160 Horizontal Entertainment Center

Features twin folding front doors; four adjustable component shelves; 26" TV area; adjustable TV shelf; pull-out turntable shelf; twin storage areas; brass hardware. Colonial oak with solid oak trim; 20 $\frac{1}{2}$ " H x 22 $\frac{1}{2}$ " D x 53 $\frac{1}{2}$ " W \$279.95

79120 Entertainment Center

Features tempered bronze glass door; pull-out turntable shelf; two component shelves; 19" TV space; storage below; chrome-finish striping and trim. Oak and ebony laminates; 37 $\frac{1}{4}$ " H x 19 $\frac{1}{4}$ " D x 41 $\frac{1}{2}$ " W \$259.95

AR197 Home Entertainment Center

Lagos hickory vinyl laminate finish. Features double-twin, vein-line doors protecting spacious areas for records, tapes and accessories. Large television area will accept most 19" color TV's with adjustable side rails providing a console look. 3 adjustable black pebble grain vinyl laminate shelves accept most components. Equipment is protected behind a tempered, clear glass door. The AR197 is accented with chrome-finish trim. 39 $\frac{1}{2}$ " H x 15 $\frac{1}{4}$ " D x 49 $\frac{1}{4}$ " W \$249.95

79130 Horizontal Entertainment Center

Twin hinged front doors fold out to a pull-out turntable shelf and adjustable component shelf. Features 20" TV space; adjustable shelf; brass finish trim and

hardward. Pecan and black gloss laminates; 29 $\frac{3}{4}$ " H x 20 $\frac{3}{4}$ " D x 47 $\frac{3}{4}$ " W \$239.95

Model AR177A Audio Cabinet

Features L-shaped, tempered glass lift-lid over turntable area, 3 $\frac{1}{2}$ " adjustable shelves finished in black pebble grain vinyl, and twin, tempered solar-bronze glass doors. Foam-cushioned storage area for 14 cassettes; black dual-wheel casters. Finished in bartonwood vinyl laminates. 49 $\frac{1}{8}$ " H x 17" D x 21" W \$199.95

DC928 Audio Cabinet

Bartonwood vinyl-laminate finished audio cabinet with step shelf for up to 19" TV receiver, rounded corners. Left side has storage for records behind twin doors; right side has 3 shelves for audio components on adjustable shelves behind twin clear tempered-glass doors. 49 $\frac{1}{2}$ " W x 31 $\frac{1}{2}$ " H x 17" D overall; TV shelf 26" W x 15 $\frac{1}{4}$ " D; right shelves 21 $\frac{1}{2}$ " W x 14 $\frac{1}{2}$ " D \$180

Model AR196 Audio Cabinet

Finished in bartonwood vinyl laminates with twin adjustable shelves finished in black pebble grain vinyl laminates. Features tempered solar-bronze glass door; record tabs; black, dual-wheel casters. 38" H x 15 $\frac{1}{4}$ " D x 20 $\frac{1}{2}$ " W \$149.95

Model AR191 Audio Cabinet

Features tempered, clear glass lift-lid and glass door, large turntable area and 2 adjustable shelves; black pebble grain vinyl laminates finish (interior), bartonwood vinyl laminates finish (exterior); twin record dividers; black, dual-wheel casters. 41 $\frac{1}{4}$ " H x 17" D x 20 $\frac{1}{2}$ " W \$139.95

AR172 Audio Cabinet

Features twin tempered clear glass doors, turntable area, $\frac{1}{2}$ " adjustable shelving and deluxe chrome finish dual-wheel casters. Finished in honey elm vinyl laminates. Overall 44 $\frac{1}{2}$ " H x 15 $\frac{1}{2}$ " W. Top Shelf 15 $\frac{1}{2}$ " D x 21 $\frac{1}{2}$ " W. Shelves 14 $\frac{1}{2}$ " D x 21 $\frac{1}{2}$ " W \$129.95

AR138 Audio Cabinet

Features 2 tempered clear glass doors; 3 adjustable component shelves; honey elm vinyl laminates finish with chrome-finish hardware; record dividers. 41 $\frac{1}{2}$ " H x 15 $\frac{1}{2}$ " D x 22 $\frac{1}{2}$ " W \$99.95

SP101 Speaker Stand

Features walnut and black pebble-grain vinyl laminate finish; adjustable legs; rubber cushions. 6 $\frac{1}{2}$ " H x 11 $\frac{1}{2}$ " D x 19 $\frac{1}{2}$ " W \$24.95

PICKERING

P-75 Phono Head Amplifier

Amplifies signals from any low-output, low-imp cartridge to level or conventional MM cartridges. Flat response down to 5 Hz; insensitive to hum pick-up; voltage gain 27 dB; FR 5-150,000 Hz -3 dB; imp 100 ohms; input/output imp 1.5 kohms; S/N greater than 85 dB; uses 2 alkaline 9V batteries (not included) \$189.00

PST-2 Stylus Timer

Measures stylus wear time from 0-1,000 hrs in 100-hr increments; resettable for long-time use; can be reversed 180° to start over again; mounting time 1 minute \$25.00

RC4+ Plus Record Cleaning Kit

Includes 2 fl-oz liquid record cleaning formula, brush for noiseless operation \$14.95
16-oz Record Care refill \$14.95
8-oz refill \$8.95
2-oz refill \$3.95

Stylus Cleaning & Inspection Kit

Designed to remove caked-on debris, build-up from stylus, and maintain general stylus care; includes 2 fl-oz stylus cleaner, nylon brush, long-handled mirror, magnifying glass \$10.95
1-oz stylus cleaner refill \$2.50

CFB-80 Carbon-Fibre Record Brush

Manufactured from aerospace quality carbon fibers to eliminate shedding. Contains 500,000 filaments/side, each filament 0.0003" diameter to follow exactly record groove as they remove all dust particles; < 1-ohm natural electrical resistance of each fiber easily conducts away electrical charges to keep records static-free \$14.95

SC4 Stylus Cleaning System

Kit combines specially formulated stylus-cleaning fluid, safe for delicate stylus parts, and unique cleaning brush with controlled-penetration bristles to dissolve and remove stylus contaminants. 5x magnifier included for examining stylus, cartridge mounting, headshell electrical connections \$7.95
RC4. Replacement applicator pad (pad and brush) \$8.95

PRC-82 Record Stabilizer

Provides constant, even pressure, reducing warps. Features 2 sizes locking buttons to accommodate various size turntable spindles \$10.95

PIONEER ELECTRONICS

VS-60 Audio/Video Selector

2 sets each video inputs and video in/outputs. Features stereo audio inputs; RF output; versatile record selectors; DNR; simulated stereo. S/N 55 dB (video), 100 dB (audio); gain: 0 dB; power requirement 120 V 60 Hz \$140.00

RC-760A Wireless Remote Control

Operates all audio/video equipment with RCA pin jacks. Features inputs for CD player; FM/AM; tape 1; adaptor/tape 2; TV. Remote functions: volume control; power on/off; audio muting; input switching; TV on/off switching; memory preset station call. Inputs

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CIRCLE NO 22 ON READER SERVICE CARD

(sensitivity/impedance) for source FM/AM, CD, TV, tape, adaptor in: 150 mv/50 K ohms; S/N 110 dB; power requirement: 120 V 60 Hz. 16 $\frac{1}{16}$ " W x 2 $\frac{1}{4}$ " H x 4 $\frac{1}{8}$ " D; 4 lbs. 14 oz. \$120.00

Tape Accessories

PR-100. Empty 10 $\frac{1}{2}$ " metal tape reel with NAB hub, boxed \$18.00
PR-85. Empty 7" metal tape reel, boxed \$15.00
PP-220A. Reel adaptor \$11.00

PIVOTELLI

P9 9" Stereo Brackets

Wall-mounting solid steel brackets to hold up to 88 lbs. Pivot left and right. Attach beneath speaker with screw-in baseplates. Nylon finish in matte black or gloss white. \$59.95/pr
P9LP. With limpet baseplates adjustable to hold speakers 7 $\frac{1}{2}$ -11" wide with rubber clamps \$89.95/pr
UP. Small universal joint to allow speaker to tilt up and down as well as pivot \$39.95/pr

PU Universal Stereo Brackets

Wall-mounting solid aluminum brackets to hold up to 88 lbs. Allows speaker to pivot from side to side and tilt up and down. Attach to rear of speaker with screw-in baseplates, to wall with 4 60-mm screws into nylon anchors. Nylon finish in matte black or gloss white. \$69.50/pr
PULUP. With limpet baseplates adjustable to hold speakers 7 $\frac{1}{2}$ -11" wide with rubber-covered clamps \$89.50/pr
PULUM. With limpet baseplates adjustable to hold speakers 11-17 $\frac{1}{4}$ " wide with rubber-covered clamps \$99.50/pr

Triple Speaker Brackets

Wall or ceiling brackets that swivel 360° and tilt to any angle.

TMU. Medium wall-mount brackets \$179.95/pr
TSU. Standard wall-mount brackets \$189.95/pr
TLU. Large wall-mount brackets \$199.95/pr
TTM. Medium ceiling-mounted brackets \$179.95
TTS. Standard ceiling-mounted brackets \$189.95
TTL. Large ceiling-mounted brackets \$199.95

POMPANO MANUFACTURING CORP.

PM 61-01 Cassette Storage

Stores up to 54 audio cassettes. Features leafspring suspension for convenient accessibility; one-piece high-impact styrene case; illuminated; 12 $\frac{1}{2}$ " W x 9 $\frac{1}{8}$ " H x 6 $\frac{1}{8}$ " D; 8 lbs. \$69.95

POSSO by UNIPHOT-LEVIT

Compact Disc Media Box

Interlocking polystyrene storage box with drawer to hold 13 CDs. Optional key lock. \$19.99

PREMIER

VTA-16

Vertical tracking angle adjustment mounting base for tonearms. Allows easy adjustment of VTA (even during play) on tonearms with 16 mm mounting post. Features ultra-rigid lock-down once VTA adjustment is complete \$100.00

PIB-1 Tonearm Interface With Link

5-pin plug connects to most tonearms. Features 10-inch flexible link that allows floating-chassis turntables to operate without constraint; All wiring is linear crystal OFC Litz; terminates in RCA female jacks for interconnection between turntable and pre-amp \$60.00

HS-12 Universal Headshell

Upgrade headshell for all tonearms that accept universal mount (EIA standard). Features solid-cast magnesium, LC-OFC wires, azimuth adjustable, double lock pins for high rigidity; cartridge mounting kit with steel nuts and bolts. 12 g \$35.00

RECOTON

Starter Systems Series

Series of deluxe packages designed for all popular home entertainment categories. Includes both Recoton accessories and Maxell brand audio tape.

RHS-1M. Contains: 2 Maxell UDSII90 cassettes and the following Recoton products: ST-103 headphone, C100RJ Musiclean record cleaner, 18RJ Ultra stylus cleaner, 150TC Autoclean cassette cleaner. \$45.95
RPS-1M. Contains 2 Maxell UDSII90 cassettes and the following Recoton products: ST-93 foldaway headphones, ACW333 mini stereo headphone cable; 150TC Autoclean cassette cleaner \$36.95

RUSSOUND

SD-4 Sound Distribution Center

Accommodates 4 sets of stereo speakers with volume control and independent program selector for each pair; permits precise speaker level balancing for A/B testing. Features individual auto transformer; 10-position amp-output switch for delivery to speakers; all metal case with black front panel; 9 $\frac{1}{4}$ " W x 7 $\frac{1}{2}$ " D x 3" H \$279.95
SD-4W/R. Same as SD-4 except has walnut side panels or rack-mount ears \$289.95
MP-3. Similar to SD-4 except has constant-impedance L-pad controls rated for 35 W audio power or 70 W music power; can be used with high-power amps, low-efficiency speaker systems. No individual auto transformer or 10-position amp-output switch \$150.00

FP-24 Patchbay

Patchbay with 24 inputs and 24 outputs on front panel. Component connects to RCA phone, pin jacks at rear of unit. Connects any combination of components in any sequence. Label identification strip and 12 patch cords provided. 19" W x 1 $\frac{1}{4}$ " H x 5" D; 2 lbs \$179.95

SWB-4G Speaker Selector Switch Box

Speaker switch box with gold-plated connectors, gold-plated switches and low-resistance wiring for all types of speaker cables (including heavy-duty premium type). Connects up to 4 pairs of speakers simultaneously with load imp within safe limits. Total loading imp on the amp will not be less than 4 ohms when any combination of speakers at any imp are switched in. Can be used safely with amps up to 250 W. Also available as a furniture model with solid walnut end pieces. 6 $\frac{3}{4}$ " W x 3 $\frac{1}{2}$ " D x 3" H \$90.00

SWB-4 MM Speaker Selector Box

Multi-match (4-8-16-ohm) speaker-selector switch connects up to 4 pairs of speakers to any amp and will play any or all simultaneously. Total imp of speakers never falls below 4 ohms. Imp-matching transformers are switched into the circuits when necessary to keep loading on the amp within safe limits. Insertion loss 4 dB with 4-8-ohm speaker pairs switched in; 6 dB with 4-ohm pairs of stereo speakers; separate L/R grounds; can be used with amps up to 250 W. Also available as furniture model with solid walnut end pieces. 6 $\frac{3}{4}$ " W x 3 $\frac{1}{2}$ " D x 3" H \$70.00

VS-2 Remote Speaker/Headphone Volume Control

Allows speaker or headphone listening at remote location. Sound level is controlled by a 10-position rotary switch which selects taps on an auto-transformer. Selection switches for speakers or headphones, high or low power operator. Designed for control of 4-, 8- or 16-ohm speakers. Power range 10-25 W. 4 $\frac{1}{2}$ " W x 2 $\frac{3}{4}$ " D x 2 $\frac{1}{2}$ " H \$70.00

SWB-3E Speaker and Headphone-Selector Switch

Connects up to 3 sets of stereo speakers and 1 pair of headphones to any amp and will play any or all simultaneously. Connects 1 or both of 2 sound sources to any combination of speaker pairs (with 8 ohm speakers). Amp loading imp never falls below 4 ohms; will also work equally well with 16-ohm speakers; also available as furniture model with solid walnut end pieces. All switches are silver plated. Can be safely used with amps up to 250 W. 6 $\frac{3}{4}$ " W x 3 $\frac{1}{2}$ " D x 3"

H \$50.00

HP-3 Speaker Selector Switch

Connects 1 or 2 stereo amplifiers to up to 4 pairs of stereo speakers which may be individually programmed to either amplifier source. Can be used with amplifiers up to 250 W and may be used with any combination of speaker imps. 6 $\frac{3}{4}$ " W x 3" H x 3 $\frac{1}{2}$ " D; 3 lbs \$99.95

SWB-3 Speaker Selector Switch

Connects up to 3 sets stereo speaker systems to any amp; will play any or all simultaneously. Internal design assures that load on amplifier never falls below 4 ohms. Measures 6 $\frac{3}{4}$ " W x 3 $\frac{1}{2}$ " D x 3" H \$39.95
SWB-3W. With walnut end panels \$49.95
SWB-4. Same as SWB-3 except handles 4 pairs of speaker systems \$54.95
SWB-4W. With walnut end panels \$64.95

VCB-1 Volume Control Box

Connects to the tape monitor out or the pre-amp out to provide a separate volume/balance control for a separate amplifier, speaker, EQ, or audio processor. Features input and output phone jacks; volume controls. 4 $\frac{1}{2}$ " W x 2 $\frac{1}{4}$ " H 2 $\frac{3}{4}$ " D \$39.95

DB-8 High Power Sound Distribution System

P.N. 1000 Rack Frame. Black metal rack frame. 16 $\frac{1}{2}$ " L x 5 $\frac{1}{4}$ " H x 5" D \$39.95
P.N. 2000 Standard Stereo Module. Module contains one stereo autoformer step attenuator to control speaker volume \$69.95
P.N. 3000 A/C Power Modules. Provides A/C power switching at one central location. Features LED indication; four A/C outlets and power cord on rear panel. \$39.95
P.N. 4000 High Power Stereo Module. Designed to be used when very high level audio must be attenuated to low or background level with a wide range of control. Features two rotary switch knobs; six terminal barrier strip on the rear; two ganged autoformer step power attenuators per channel; ten-position setting controls \$99.95
5000 Stereo Impedance Monitoring Module. Self-powered automatic safe load impedance indicator shows green LED for safe load, of 4 ohms or higher, red LED when load is less than 4 ohms under operating conditions. The panel rotary switch adjusts the internal matching transformer to keep amplifier loading within safe limits with minimum insertion loss by adjusting the switch for green indication with minimum sound level loss \$99.95
P.N. 6000 Filler Panel. Serves to improve cosmetic appearance of the rack. \$9.95
P.N. 7000 Rack Mount Bracket. Black metal brackets for standard 19" rack \$9.95
P.N. 8000 Walnut End Pieces. Solid walnut end pieces \$9.95

SAC

Stako-Disc

Organizes up to 12 CD units. Can be interlocked horizontally or vertically and can be free standing or wall



mounted. Under \$10.00/pr

C-42 Cassette Organizer

Stackable holder for up to 42 cassettes. Features pull-out drawer system; chrome, black, red, white, grey, blue, and brown finishes \$27.95

SACpac

A belt which carries a removable bag and pouch. The bag holds a pocket stereo and the pouch holds up to 3 cassettes. The belts are black and the bags/pouches are available in red, white or black with black trim. The belt is adjustable for sizes from ladies Small to men's Large \$9.95

SAE

4301 Forced Air Cooling System

4-speed fan to improve cooling of components under intense operating conditions. Rack mount. 19" W x 3.5" H x 12.5" D; 11 lbs \$250.00

SEAC by ANALOG EXCELLENCE

ULS-3X Headshell

Anti-resonant ceramic headshell with universal connection. Constructed of sintered and multi-crystallized aluminum oxide with ultra-high purity > 99.7%. 18 g \$85.00
ULS-2x. Composite type headshell, 9.5g \$28.00

LX-1010 Interconnect Cables

Separate parallel-type pure silver wire interconnects. Features RCA-type pin plugs. Silver rhodium (platinum) treated. 1 m \$32.00

SANSUI

GX-255 Audio Cabinet

Free-standing cabinet for audio-component system has wood-grain finish; 2 glass doors; record storage area; caster rollers. 48 3/4" H x 19 1/4" W x 17 1/4" D \$259.00
GX-235V. Similar to GX-255 except 18 3/4" W x 41 1/2" H x 16 1/2" D \$229.00

AT-700 Programmable Timer

Unique 2-piece timer/clock automatically activates equipment for playback or recording at any preset time within any 24-hr period. Easy-to-use touch panel for programming 3 AC outlets, 700 W total. Clock 4 3/4" W x 5 7/8" H x 4 3/4" D; power supply 3 1/8" W x 2 7/8" H x 7 1/8" D \$100.00

AT-20 Programmable Timer

Automatically activates equipment for playback or recording at any set time within 24-hour period. Features digital clock and 3 outlets (700 W total). 16 1/8" W x 2 1/8" H x 5 1/8" D. 2.9 lbs. \$125.00

SCOTCH

Record Care System

3-way record protection-dust cleaning, static removal and friction reduction with Sound Life fluid. Applicator attaches to turntable spindle to meter a controlled amount of fluid onto pad

Total System \$27.99
Sound Life Replacement Fluid \$8.19

Turntable Dust Guard

Conductive foam turntable pad reduces external electrostatic field to repel airborne dust \$6.99

ERK-130 Cassette Edit/Repair Kit

Contains precision splicing block; spindle for manually winding cassette tape; 6 polyester picks (adhesive tipped for retrieval of tape ends lost in housing); 6 130-mil splicing tabs; detailed instruction booklet \$3.59

Pre-Cut Tabs

SPT-7/32-36. 36 pre-cut 1.0-mil polyester splicing tabs \$1.59
SST-7/32-18. 18 pre-cut aluminized sensing tabs \$1.59
SK-7/32. 12.5 ft of 1.9 mil polyester splicing tape in dispenser kit \$2.49

S-C-HC Cassette Head Cleaner

Cassette head cleaner \$1.89

SERVICE MANUFACTURING CORP.

Record Carrying Cases

1936. Vinyl case for 30 LP reords. Features sturdy post handle; heavy-duty hardware; stitched construction; compact portable design. 5" W x 12 3/4" H x 13" D; 1 lb, 1 oz; russet tan \$16.95
1935. Similar to 1936 except for fifty 45 RPM records. 5" W x 7 1/2" H x 8" D; 1 lb, 1 oz \$12.95

Cassette Cases

1814. Patented dual-purpose shock-protected Cordura® "Softie" carrying case for 30 boxed or 60 unboxed cassettes. Features individual locking compartments; 1/2" polyfoam shock-padding; stitched construction; nylon zipper; black accent stripes; carrying handle. 10 1/2" W x 3 1/2" H x 14 1/2" D; 14 oz; grey, navy blue or black colors \$20.95
1812. Same as 1814 except holds 12 boxed or 24 unboxed cassettes. 7" W x 3 1/2" H x 9 3/4" D; 7 oz \$13.95
2020. Patented dual-purpose padded vinyl compact double-sided case for 60 boxed or 120 unboxed cassettes. Features individual locking compartments; stitched construction; post handle. 11" W x 6 3/4" h x 15" D; 2 lbs, 8 oz; saddle tan \$19.95
2050XA. Dual-purpose padded high-pile brushed nylon case for 30 boxed or 60 unboxed cassettes. Features individual locking compartments; stitched construction; post handle. 10" W x 3 3/4" H x 14" D; 2 lbs; grey, black, brown, navy blue or special case pack assortment \$16.95
2044XA. Same as 2050XA except holds 12 boxed or 24 unboxed cassettes. 6 3/4" W x 3 3/4" H x 10" D; 15 oz \$8.95
1810. Shock-protected Cordura® carrying pouch for pocket stereos and/or 10 cassettes Features 1/2"

polyfoam shock-padding; adjustable shoulder strap (doubles as waist belt); nylon zipper; stitched construction. 3" W x 7 1/4" H x 4 1/2" D; 7 oz; grey, cordovan, navy blue, burlap (tan) colors or special case pack assortment \$11.95
2043. Dual-purpose vinyl case for 12 boxed or 24 unboxed cassettes. Features individual locking compartments; sturdy handle; stitched construction. Designed to fit under most conventional car seats. 6 3/4" W x 3 1/4" H x 10" D; 15oz; saddle tan \$9.95
1906. Padded vinyl cassette wallet will hold 6 cassettes; in individual locking compartments. Case folds to fit under most conventional car seats and in most glove compartments. 4 3/4" W x 1 3/4" H x 9 1/2" D; 4 1/4 oz; russet tan \$6.95

Cassette Attache Cases

All cases feature a tongue-in-groove aluminum valance to help keep interior dust-free, individual locking compartments, and stitched construction.

2030. Patented dual-purpose padded nylon case with vinyl trim for 30 boxed or 60 unboxed cassettes. Features fully lined interior; custom designed luggage handle and hardware. 10 1/4" W x 4" H x 14 1/2" D; 2 lbs 6 oz; chocolate or khaki colors \$40.95
1987. Patented dual-purpose deluxe padded Cordura® case for 36 boxed or 72 unboxed cassettes. Features decorative stitching; heavy-duty hardware. 12 3/4" W x 3 1/2" H x 14 1/2" D; 1 lb, 10 oz; cordovan or grey \$31.95
1988. Patented dual-purpose padded high-pile brushed nylon case for 30 boxed or 60 unboxed cassettes. Features accent stripe; heavy-duty hardware. 11" W x 4" H x 15" D; 2 lbs, 1 oz; grey, black, navy blue or brown \$27.95
1989. Patented dual-purpose deluxe padded vinyl case for 30 boxed or 60 unboxed cassettes. Features decorative stitching; post handle; heavy-duty hardware. 10 1/2" W x 3 3/4" H x 14 1/2" D; 2 lbs, 2 oz; bur-

Sound Principles

HIGH PERFORMANCE. Designed to maximize the performance of your audio and video equipment, all CWD modular component cabinets are handcrafted and lovingly hand-finished from select natural hardwoods.

TOTAL FLEXIBILITY. Add as your system grows; arrange and rearrange our cabinets to almost any configuration, to fit almost any size or shape room.

REMARKABLE QUALITY. From the precision hardware to the natural oiled finish, all CWD cabinets are fine furniture with a look and style you'll love and cherish for years to come.

See for yourself. For the name of the nearest dealer, **CALL TOLL FREE 1-800-323-2159** (In Illinois, 312-563-1745).

CWD
 CUSTOM WOODWORK & DESIGN INC.

The cabinet system shown above in Dark Oak features solid wood, glass and roll wood doors and interior lights. Also in Natural Oak and Natural American Walnut.



High performance modular furniture that keeps pace with your electronic system

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NEW SUBSCRIBERS ONLY

Accessories

8

Accessories

- gundy, saddle tan \$26.95
- 2046. Patented dual-purpose deluxe padded vinyl case for 36 boxed or 72 unboxed cassettes. Designed to fit under most conventional car seats. 12 3/4" W x 3 1/2" H x 14 1/2" D; 2lbs, 3 oz; saddle tan . . . \$23.95
- 2049SLV. Dual purpose case with silver high-tech vinyl and accent stripe for 30 boxed or 60 unboxed cassettes. Features heavy-duty hardware and post handle. 10 1/2" W x 3 3/4" H x 14 1/2" D; 1 lb, 15 oz; silver \$20.95
- 2049. Patented dual-purpose deluxe padded case for 30 boxed or 60 unboxed cassettes. Designed to fit under most conventional car seats. 10 1/4" W x 3 1/2" H x 14" D; 1 lb, 14 oz; saddle tan \$20.95
- 2041. Same as 2049 except holds 24 boxed or 48 unboxed cassettes. 2 lbs \$17.95
- 2031. Similar to 2031 except no aluminum valance. 9" W x 3 1/4" H x 14 3/4" D; 1 lb, 4 oz \$13.95

1932 8-Track Tape Carrying Case

Padded vinyl compartment case for 24 eight-track tapes. Features individual compartments; stitched construction; heavy-duty hardware; post handle. Tapes positioned for easy identification. 7 3/4" W x 5 1/4" H x 17" D; 1lb, 10 oz; russet tan ... \$13.95

Cassette Cabinets

- A-3. Cabinet with 3 drawers and individual compartments for 36 cassettes. Cassettes are positioned horizontally for easy identification. 9 3/4" W x 3 1/2" H x 15" D; 5 lbs, 12 oz; walnut cabinet with black drawers and chrome-color trim \$17.95
- A-2. Cabinet with 2 drawers and individual compartments for 24 cassettes. Cassettes are positioned horizontally for easy identification. 9 3/4" W x 3 1/2" H x 10" D; 2 1/2" lbs; walnut cabinet with black drawer and chrome-color trim \$15.95
- A-1. Cabinet with 1 drawer and individual compartments for 12 cassettes. Cassettes are positioned horizontally for easy identification. 9 3/4" W x 3 1/2" H x 5 1/2" D; 2 1/2" lbs; walnut cabinet with black drawer and chrome-color trim \$10.95

SHARP

AD-207 Audio Video Selector

Designed to allow hook up of 7 different audio or video sources. Features audio/video mixing capability, built-in visual image enhancer, easy-to-read function selector and front accessible audio and video inputs and outputs for easy tape duplication. 5.7 lbs; 13" W x 3 3/4" H x 12 1/8" D \$170.00

SHURE

M64 Preamplifier

Fixed-gain stereo preamplifier with switch-selected phono, tape EQ; for use with unequalized amplifier inputs, mikes, as buffer amp in "flat" position; on-off AC/DC switch; two phono jack inputs; 120 V AC 50/60 Hz, 5 W \$99.00

Trackability Test Records

Evaluates cartridge performance by analyzing the cartridge's trackability.

- TTR 103. Trackability test record \$11.50
- Record TTR 117. Audio obstacle course test record \$15.00

SK-1 Stylus Cleaning Kit

Removes built-up dust and dirt from stylus to prolong the life of cartridge and records. Includes cleaning fluid, stylus cleaning brush, magnifying glass for stylus inspection \$9.95

SFG-2 Stylus Force Gauge

Allows precise setting of optimum stylus force for maximum trackability and sharply reduced wear on records and stylus tip \$8.50

SIGNET

Headshells

- SK506. Universal-type headshell made of magnesium. Features factory-fitted damping material and allen screw on collar \$25.00

- SK505. Straight-arm headshell \$15.00-20.00
- SK405. Maximum transfer headshell wire set \$10.00-12.00

Cleaners

- SK305. Electronic stylus cleaner \$35.00-40.00
- SK301. Liquid stylus cleaning formula .. \$4.00-6.00
- SK312. Compact Disc cleaner. Features soft leather chamois for surface dust and cleaning solution with optical quality cleaning cloths for tougher dirt \$20.00
- SK310. Record cleaning system with low-residue cleaning and humidifying solution, convenient storage base. Unidirectional brush reduces static charges on vinyl record surface \$30.00
- SK309. Replacement fluid for SK310 and other record-cleaning systems to reduce residues .. \$4.00
- SK307. Audio cassette cleaner tape. Features philips-type cassette with alternating wet/dry cleaning system and cleaning fluid \$12.00

Cables

- SK402. Litz wire interconnector in 1/2-, 1-, and 1 1/2-meter lengths; low capacitance/low resistance under \$45.00
- SK401. Maximum transfer high-conductivity cable assembly \$30.00-35.00
- SK403. High-quality all-purpose interconnect in 1/2-, 1-, and 1 1/2-meter lengths; low capacitance/low resistance under \$15.00

Miscellaneous Accessories

- SK503. Disc stabilizer \$30.00-35.00
- SK-507. Audio light with tilt switch built in for automatic operation on turntable dustcovers. Comes with battery and mounting bracket \$34.95
- SK303. Vibration damping compound \$10.00-12.00

SONEX by ILLBRUCK

SONEX Juniors Acoustic Foam

Sound-absorbing acoustic foam sheets kill background noise and control room acoustics by absorbing peak frequencies caused by standing waves, resonances, slap echoes, etc. Anechoic-type wedge shapes traps and diffuses sound for the same live-end/dead-end effect used in recording studios. Box contains four 24" x 24" sheets \$48.00/box

SONRISE

SW-6 LowBoy Cabinet

Horizontal cabinet with bronzed glass lid. Features doors on left side and a fixed shelf over audio, video, or compact disc drawer on right side. Need to specify for which type of component you plan to place on drawer. 90 lbs \$600.00

SP12L Vertical Audio Cabinet

Solid oak or walnut audio cabinet with fixed shelves at record height and turntable height (under top glass lid). Includes 2 adjustable shelves. 23 1/2" W x 49" H x 17 1/2" D; 92 lbs \$590.00

SK-3 Crestwood Cabinet

Solid oak audio cabinet fits up to 5 components with 3 inside shelves. Top shelf fixed at 6" or 8" clearance. Solid oak or solid walnut door pulls and flush-mounted bronzed-glass doors in solid wood frames. Adjustable-tension hinges hold lid in any position. Includes casters. 42 1/2" H x 23 1/2" W x 17 1/2" D \$460.00

SK-3GT. With glass top \$528.00

SJ-7 Woodridge Cabinet

Low horizontal cabinet for audio and video components. Comes with oak-framed glass doors on left and pull-out shelf at right, or with glass doors on both sides. 23 1/2" H x 42 1/2" W x 17 1/2" D... \$510.00

SH-4 Magnolia Cabinet

For smaller music systems, cabinet has two inside shelves with space for LPs below. Walnut- or oak-framed doors with bronzed glass. Back removes without tools. With recessed casters and hand-finished solid-wood door pulls. 34 1/2" H x 23 1/2" W x 17 1/2" D \$390.00

SH-4GT. With glass top \$440.00

SE-8 Veritcal Audio Unit

Enclosed solid oak or walnut audio cabinet with glass touch-latch doors. Features 1 fixed shelf at record height and 2 adjustable shelves. 23½" W × 42½" H × 17" D; 86 lbs \$376.00

SM-2 Spiritwood Cabinet

Open cabinet with 2 shelves adjustable at 1¼" increments along entire height. Another shelf fixed to provide space for LPs. Extra shelves or full-extension sliders can be special ordered. Hand-rubbed oil finish. 42½" H × 23½" W × 17½" D \$327.00

SA-1 Oakshire Cabinet

Deep-grained oak cabinet with casters and two inside shelves. 34" H × 23½" W × 17½" D... \$298.00

SV-5 Windemere Cabinet

Solid oak or solid walnut cabinet with adjustable middle shelf or optional full-extension slider. 25¼" W × 23½" W × 17½" D \$252.00

SG-11d Mirromont III CD Cabinet

Swiveling cabinet stores up to 40 Compact Discs horizontally, 20 on each side. Solid oak or solid walnut. Can be stacked one on top of another. 10" H × 11½" W × 11½" D \$76.00

SG-11a Mirromont I. As above, but stores audio cassettes \$76.00

S-G11LP Record Cube

Stackable record storage box with record flns and deluxe back. 14¼" W × 14½" H × 13" D; 18 lbs \$76.00

SG-11dL Compact Disc Storage Unit

CD storage unit holds up to 40 discs. One side stackable and wall-mountable. 21½" W × 9" H × 6" D; 13 lbs \$76.00

Options

Solid Walnut. For any cabinet, instead of standard solid oak add 30%

Rack Mount Option. Spring-loaded fully adjustable nuts; infinite internal adjustment on rail add 7%

Custom Stain. Lighter or darker add 3%

Doors. Solid oak or walnut-framed glass \$150.00/pr

Drawers. For audio (holds 45 cassettes) or video tapes (holds 18 video cassettes) \$125.00

Pull-Out Shelf. Substitutes for adjustable shelf \$80.00

Extra Adjustable Shelf. \$40.00

SONY

MX-1000 Microphone Amplifier

4-channel mike amp with input selector, pan pots, low-cut filter. Can be used with Sony decks \$300.00

PT-V5 24-Hour Programmable Timer

24-hour programmable timer and alarm system with 4-event programming, sleep timer \$130.00

AN-300 Outboard FM Antenna

Highly sensitive tuneable outboard FM antenna with 90° rotation flexibility. Accepts automatic control signal from Sony receivers; manual override allows usage with other separate tuners, receivers... \$80.00

SB-V5W Video/Audio Selector

Switch box for direct audio/video inputs. Features five inputs, three outputs. 6 lbs, 10 oz. 17" W × 2½" H × 11" D \$250.00

SB-500 Tape Deck Switcher

Tape deck switching unit with copying facility for up to 3 decks \$75.00

BE-100 Cassette Eraser/Winder

Silently removes all magnetic recordings from all cassettes, including metal with > 65 dB erasure. Wind time within 170 seconds with C-60 cassette \$70.00

WS-300 Speaker Stands

Deluxe speaker stands designed for Sony SSU-60,

SSU-50 speaker systems \$70.00/pr

SOTA INDUSTRIES

SOTA II Head Amp

Reference device for stepping up low-output MC signal. Solid-state devices designed to combine tube and transistor sound. Features stiff power supply outboard; inherent distortion cancellation; extremely wide bandwidth; controlled clipping characteristics; variable cartridge loading. FR 1-1,000,000 Hz ±3 dB; max output 3 V; THD 0.02%; IMD 0.02%; 6" W × 3" H × 6" D; 3 lb \$500.00

SOUTHER ENGINEERING CORP.

Clever Clamp Record Clamp

Unbreakable clamp is molded in Lexan. 23 grams; clear; 3¼" D; ¼" thick \$10.00

Symmetry Interconnect Cables

Features flexible leads; gold plated jacks; special oxygen free copper inner wire connectors; additional wire for grounding with gold spaded lugs; 50 ohm imp; 1 meter lengths \$75.00

STANTON

310 Professional Phono Preamp/Equalizer

Designed to correctly interface all Stanton, selected magnetic cartridges for optimum playback of records. Calibration of audio systems. Features universal mounting brackets; selection of flat or NAB postemphasis curves; switchable rumble filter; individual gain adjust, high-frequency responses; capacitive cartridge loading trim; 117-230 V AC 50/60 Hz operation; immunity to external AC fields. Output 20 dBm; output source imp 5 ohms; designed for loads of 150 ohms or greater; gain 30-60 dB, adjustable; max input level 120 mV at 1 kHz; input resistance 47

K ohms; sep 60 dB min, 20-20,000 Hz; 7¼" W × 5" D × 2½" H \$240

310B. Similar to 310 but offers active balanced output resulting in additional gain of 6 dB. Can be used in balanced as well as unbalanced modes and in-phase and out-of-phase mix of L and R channels for mono reproduction of older records. Same specs as 310, except gain is 36-66 dB. 7¼" W × 2½" H × 5" D \$280.00

SP-98 Pre-preamplifier

Designed to amplify signals delivered by low-output low-imp MC phono cartridges and low-imp MM cartridges. Uses 2 alkaline 9 V batteries (not included); total power consumption about 150 μ amps; per ch: gain 27 dB; (x23) ±1 dB; FR 5-150,000 Hz (-3 dB) input imp 100 ohms; output imp 1.5K ohms. S/N 85 dB; (1 000 Hz, 1 mV in) turn-on time approx. 50 sec \$189.00

RC5PLUS Record Cleaner

Kit contains cleaning fluid that safely dissolves oily film, loosens microdust, other debris, leaves no residue. Contains antistatic ingredient. Comes with polarized brush, conductive handle. Cleans 300 record sides \$16.95
2-oz refill \$5.95
8-oz refill \$9.50
RC4 2-oz refill \$3.95
RC4 8-oz refill \$8.95
RC4 16-oz refill \$14.95
RC4 replacement applicator pad \$8.95
1-oz stylus cleaning fluid \$2.50

ARC-5 Carbon Fiber Brush

Safe, fast and effective method of record care, eliminating static build up. Manufactured from aerospace high-elasticity carbon fiber. Each filament is strong and flexible to reduce breaking or shedding on the record. Contains 1,000,000 filaments, each filament

Listen. SONEX will improve your stereo's sound.

Just ask the pros. Chances are they recorded your tapes and records in a studio lined with SONEX acoustic foam.

SONEX has been a fixture in the pro audio world for years because it absorbs sound four times better than acoustical tile or carpeting. Now available for home use, this special acoustic foam with its patented wedge can actually tune your room.

Economical and easy to install at home, SONEX Juniors are 24" squares of two-inch thick SONEX packed four to a box. Write for our brochure or send check or money order (\$48 per box) to: Illbruck, 3800 Washington Avenue North, Minneapolis, MN 55412. For factory-direct orders, call toll-free 1-800-662-0032. (In MN call (612) 521-3555)



illbruck

is 0.0003" (8 microns) diameter, allowing each filament to track a record groove like diamond stylus, removing dust particles and static charges ... \$15.00

Stylus Cleaning and Inspection Kit

2-fl-oz liquid stylus cleaning fluid, nylon brush, long-handled mirror, magnifying glass. Cartridge need not be removed during stylus cleaning ... \$10.95

SAS-3536 Extension Cord

25-ft straight extension cord, with mini stereo to mini stereo plug to be used with mini headphones . \$9.95

SC4 Mini Stylus Cleaning Kit \$7.95
7.5 solution refill \$1.50

SUMIKO

The Phono Amp Preamplifier

Stereo phono preamplifier with RIAA equalization, enough gain for MC and MM cartridges. Provides sufficient power to drive power amps directly. Features active imp synthesis; front-mounted cartridge damping control; bypass switch that allows input from external preamp through PhonoAmp; Mil-spec components; solid Koa cabinet \$700.00

FB-1 Fluxbuster

Phono cartridge demagnetizer. Features demagnetization in 30 sec; RCA jacks for cartridges mounted in fixed-headshell tonearms. 4" W x 6" H x 3" D; 1.5 lbs \$100.00

Rigid-Mount Kit

Features steel socket head bolts; nuts with washers; allen key and wrench; allows ultra-rigid mounting of cartridge onto headshell \$7.50

SWITCHCRAFT

Control Switches

645 P1. Control switching center allows use of any combination of up to 6 speaker systems. Equipped with pushbutton/depression locking system \$80.00
310 P1. 2-conductor phone jack input with 2-conductor phone plug output fitting standard non-recessed jacks \$24.20
311 P1. Similar to 310 P1 except has long plug for recorders with recessed jacks \$24.80
670 P1. Control switch to select either or both main, 2 remote speaker systems. \$24.95
668 P1. Control switch to select both channels of 1 of 3 sources to drive one pair of outputs \$23.25

9000 Series Impedance-Matching Transformers

For direct connection without adapters between low-imp mikes and high-imp amps and tape decks \$30.75

10FK25P1 Stereo Cable Assemblies

Straight 3-conductor 1/4" phone jack on 6 ft of shielded high-imp cable to two two-conductor phono plugs. \$8.84

Stereo Phone Plugs

Three-conductor 1/4" stereo phone plug with combination clamp and solder terminal.
297P2. With shielded handle \$6.16
267P2. With unshielded handle \$5.20

Flexible Y Audio Adapters

330F1P1. Phono plug connected in parallel to 2 phono jacks on 4" grey shielded cable \$6.00
330F3P1. As above except phono plug connected to 2 phono plugs \$6.00

Audio Adaptors

336AP1. Two-conductor 1/4" phone jack input to phono plug output. Shielded \$5.84
336BP1. As above but to phono jack output . \$5.84

Stereo Cable Assemblies

25FF25P1. Two straight 2-conductor phono plugs on 3 ft of shielded high-impedance cable to 2 straight 2-conductor phono plugs. \$5.76
25FK25P1. With 6-ft cable \$6.84
25FN25P1. With 10-ft cable \$8.28

Audio Cable Assemblies

25AF25P1. Straight 2-conductor phono plug on 3 ft of shielded high-impedance cable to another straight 2-conductor phono plug. \$2.68
25AH25P1. With 4-ft cable \$3.04
25AK25P1. With 6-ft cable \$3.40

SYMDX

Spikes

Adjustable speaker feet that mount integrally into the base of speakers or wooden speaker stands for rigid coupling to the floor. Minimize speaker/floor junction area, with best results on rugs and carpets. Level adjustment compensates for uneven floors. Includes drill bit. Sold in sets of 8 \$35.00/set

TALWAR

Audio Cabinets

All Talwar audio cabinets are hand finished and fitted with solid brass hardware. Feature 1" solid hardwood sides; structurally reinforced joints; tempered glass; 6-receptacle power supply with overvoltage and over-current protection; air columns; wire management system with wells for interconnects; removeable back; heavy-duty piano casters; full extension drawer for tapes and accessories; adjustable shelves.

K-270 Low-boy. Solid red oak, 5 adjustable shelves. 74" W x 30" H x 20" D; 270 lbs \$2,790
C-270. Solid cherry \$3,190
M-270. Solid mahogany \$3,290
W-270. Solid walnut \$3,690
K-420 Standard Unit. Solid red oak, 3 adjustable shelves. 24" W x 48" H x 20" D; 120 lbs \$1,290
C-420. Solid cherry \$1,450
M-420. Solid mahogany \$1,490
W-420. Solid walnut \$1,690
K-320 Standard Unit. Solid red oak, 2 adjustable shelves. 24" W x 36" H x 20" D; 110 lbs \$1,230
C-320. Solid cherry \$1,390
M-320. Solid mahogany \$1,420
W-320. Solid walnut \$1,590
K-220 Standard Unit. Solid red oak, 1 adjustable shelf. 24" W x 30" H x 20" D; 100 lbs.. \$1,190
C-220. Solid cherry \$1,350
M-220. Solid mahogany \$1,390
W-220. Solid walnut \$1,540

Cabinet Accessories

Rack Mounting Angles

24" with hardware for 5 components \$49.00
36" with hardware for 8 components \$65.00
48" with hardware for 10 components \$79.50

Ventilation Panels

Filler panels for rack mounted equipment. 19" x 17/8"; custom dimensions available \$39.00

Additional Shelves and Drawers

Wood shelf \$45.00
Glass shelf \$55.00

Play free sliders for turntables \$99.00
4"-deep drawer for cassettes, accessories... \$99.00
6"-deep drawer for CDs, video tapes \$129.00

SVC-1 Vibration Isolator

Isolation base with air springs to decouple turntable from air-borne and structure-borne vibrations. Features one 24 1/4" x 20 1/4" x 1 1/2" polished granite supported by 3 lead slabs fastened to 3 air mounts. Requires bicycle pump to pump air into unit. Resonant freq 3.1 Hz; max pressure 70 lbs ... \$699.00

MCU-1 Power Control Unit

Allows switch on any component to act as master power-up controller for an entire system. Component plugged into master receptacle will turn on/off at 0 current crossover all components plugged into the other 4 switched receptacles. Features 15-amp circuit breaker. Surge current 250 amps max for all receptacles. 19" W x 1.5" H x 2" D; 5 lbs . \$189.00

SN-1 Static Neutralizer

Eliminates electrostatically-charged air particles that cause dust and debris accumulation on records. Generates positive and negative ions simultaneously. Operates continuously while record is playing. Fits onto turntable platform or clips onto dustcover. Power consumption 0.5 W; discharges 5,000 V to safe levels (<100 V) within 2 sec. 6" W x 1 1/2" H x 1 1/2" D; 3 lbs \$169.00

FVS-1 Fan Ventilation System

Features rack-mountable panel; 1 fan; filter; all mounting hardware. Noise level 26 dBA; air flow 45 CFM. Black steel panel \$89.00

PLF-2 Power Line Filter

Eliminates subtle distortion caused by equipment interaction as well as power line noise and hash. Functions as a safety device for excessive voltage spikes and can be plugged between affected component and outlet. Features Pi circuit with dual inductor ground isolation. Dynamic short-term current 6,500 amps for 8 x 20 micro-sec surge; noise attenuation 55 dB 25 kHz-200 MHz. 1.5" W x 1.5" H x 2" D \$89.00

GB-12 Grounding Bus Bar

High purity copper bus bar eliminates hum induced by ground loops. Mounts into cabinet side. Includes all hardware. 1" W x 12" H x 1/4" D \$39.00
GB-18. 18" long \$59.00
GB-24. 24" long \$79.00

TDK

HD-11 Tape Head Demagnetizer

Compact demagnetizer for open-reel or cassette decks. Color-coded LEDs show charge status and operating mode. Plastic-covered pivoting tip discharges magnetic build-up on hard-to-reach heads .. \$27.30

HD-01 Head Demagnetizer

Battery-operated demagnetizer housed in cassette shell. Discharges magnetic build-up. Recommended for decks that activate transport without power \$19.50

HC-1 Head Cleaner

Designed to keep recording heads clean by removing oxide particles. Fits into deck like ordinary cassette. Recommended for use after every 8 hours of playing time \$1.50

MS Professional Take-Up Reels

Metal reels designed to be perfectly circular with superior strength.
10 1/2" reel \$10.90
7" reel \$7.00

TEAC

Audio Recording Accessories

E-2 Bulk Eraser. Handles 7" and 10 1/2" reels. Features pilot light, circuit breaker \$100
E-3 Tape-Head Demagnetizer. Removes residual magnetism from tape heads, guides \$29.50

PRICES LISTED

are only the manufacturers' suggested retail prices
(also referred to as list prices)
which are subject to change without notice.
Actual selling prices are set by the dealers.

RMK Recorder Maintenance Kit. Kit includes 3 oz HC-1 tape-head cleaner, 3 oz rubber cleaner, 3 oz stainless polish, cotton swabs, cleaning cloth \$9.95
HC-1. 11-oz tape-head cleaner \$6.50
RC-1. 7-oz rubber cleaner \$6.50
SP-1. 11-oz stainless polish \$6.50

Patch Bays

PB-64. 64 points, RCA to RCA \$100.00
PB-32H. 32 points, 1/4" jack (front) to RCA (back), Normalled \$110.00
PB-32P. 32 points, 1/4" jack (front) to 1/4" jack (rear), Normalled \$120.00
PB-32R. 32 points, RCA (front) to RCA (back), Normalled \$110.00
PB-32W. 32 points, combination of RCA (20 points) and 1/4" jack (12 points) on front and rear panel, Normalled \$110.00

Reels and NAB Adaptors

RE-702. 7" reel in library box \$4.00
RE-711. Metal 7" reel in library box \$11.00
RE-1002. 10 1/2" NAB metal reel \$15.00
RE-1003 (G). 10 1/2" NAB metal reel (gold) \$15.00
RE-1003 (B). 10 1/2" NAB metal reel (black) \$15.00
RE-1003 (S). 10 1/2" NAB metal reel (silver) \$15.00
TZ-612. Pair of 1/4" NAB hub adaptors (quick-lock type) \$17.50

TECHNICS

SH-305MC Head Amp

Step-up transformer accurately matched to the EPC-305MCMK2, but suitable for use with other MC cartridges. Features quadruple shielding; low/middle/high/pass input imp selector; amorphous toroidal core; FR 15-100,000 Hz ± 0.2 dB; THD < 0.001% at 1,000 Hz; ch sep > 90 dB at 1 kHz; ch balance within 0.2 dB 1,000 Hz load imp 47 kilohms; 2 1/4" W x 3 25/32" H x 8 7/32" D; 9.9 lb \$350.00

SH-8000 Frequency Analyzer

Frequency analyzer with 31-point warble tone generator and sound level meter. Features tweeter protector switch for high-range signals; 5-setting precision sound level meter; ultra-sensitive condenser mic; switchable (fast/slow) meter response speed for indication of transient or average peaks; battery check switch and meter indication; carrying case; FR 20-20,000 Hz ± 2 dB; oscillation signal warble tone; (31 measurement points); frequency precision $\pm 6\%$ or better; output level/imp 70mV/1 kilohm; SPL measurement range 35-105 dB SPL (0 dB = 2 x 10⁻⁶ μ bar); power source DC 9 V; battery life 10 hours continuous operation; 8 1/2" x 2 1/8" x 4 1/8"; 2.2 lb \$150.00

SH-F101 Indoor Active Tuned FM Wing Antenna

Compact indoor dipole antenna for reception in strong signal areas to be used with Technics ST-S7, ST-S3, ST-K808 tuners. Features automatic electronic tuning circuit; high gain characteristics; manual tuning knob; die-cast base; relative gain -2 db; figure-8 pattern; half-power angle 90°; output imp 75 ohm; standing wave ratio 1.2 or less; power source DC 18V; 16 27/32" W x 6 3/8" H x 4 7/8" D; 1.9 lb \$90.00

Universal Headshells

SH-90S. Combination headshell/adaptor for direct plug-in of "P" type cartridges into universal-headshell arms \$30.00
SH100. Die-cast aluminum universal plug-in headshell with calibrated overhang cursor, gold-plated contacts. For Technics turntables \$16.00

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

SH-98D. Similar to SH-100 except no calibrated overhang cursor \$13.00

Recording Accessories

SH-4060 Audio Timer. Programmable 24-hour timer with day-of-week indicator. Features digital FL time display; preset channel indicator, outlet power/timer operation indicator; timer cancel key; quartz-locked clock; programmable for 1 time in 24-hour, 2 times in 7-day periods; power capacity 600 W max; 16 1/16" W x 6 3/32" D x 2 3/32" H; 3.75 lb \$150.00
SH-4020 Audio Timer. Programmable audio timer. Features separate on/off equipment time settings, up to 2-hr sleep timer function, 24-hour clock function \$100.00

Remote-Control Units

RP-9690P. Remote control for Technics open-reel decks \$100
RP-070. Wireless (infrared) full-function remote control for all Technics open-reel decks \$200

TWEEK by SUMIKO

Tweek Fluid

Reduces contact resistance and rectification effects in all metal-to-metal slip-on connections. Designed to make metals act as if their conductivity had been increased. Pre-cleaning needed only if contact is badly corroded or very dirty. 0.5-cc applicator tube (enough to treat an audio or video system 3 to 5 times) \$15.00

VANDERSTEEN AUDIO

OL-1 MC Pre-Preamplifier

Moving coil preamp with variable loading and high frequency roll-off. FR 1-500,000 Hz ± 3 dB; max output

2 V; THD 0.01%; IMD 0.01% IHF; 5 lbs \$285

WATTS by AKG

Xstatic

Enables dust to be removed more readily from a record by neutralizing static build up with a piezoelectric element \$29.95

Manual Parastat MK IIA

Record cleaner brush with over 30,000 pure nylon bristles to probe down into the bottom of the groove without harming the record. All dislodged dirt, dust and pollution is collected on plush pile of pads. Includes 1 oz antistatic fluid, extra sponge, cleaning wicks \$21.95

Record & Stylus Care Kit

Includes; dust bug, parostatik disc preener, stylus cleaner, new formula parostatik antistatic fluid \$19.95

Dust Bug Automatic Record Cleaner

Features hand tipped nylon bristles to dislodge dirt from groove bottom; super mohair plush pad to collect debris; parostatik antistatic fluid \$9.95

Stylus Cleaner

For all types of phono cartridges. Features close pile nylon velvet ribbon \$2.95

YALE AUDIO

"Set-it-To-Here" Position Markers

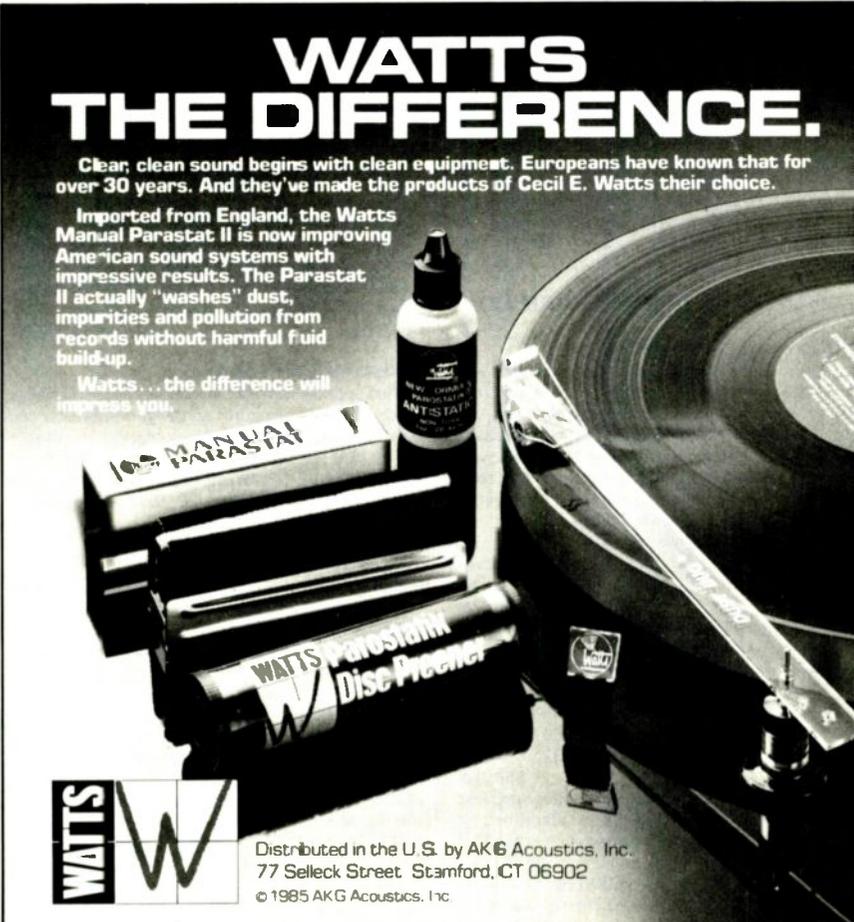
Adhesive vinyl appliques to indicate where controls should be set. Includes straight and curved arrows; arrows pointing to lines; pointing hands; switches; buttons. Black, red, or white. \$6.49

WATTS THE DIFFERENCE.

Clear, clean sound begins with clean equipment. Europeans have known that for over 30 years. And they've made the products of Cecil E. Watts their choice.

Imported from England, the Watts Manual Parastat II is now improving American sound systems with impressive results. The Parastat II actually "washes" dust, impurities and pollution from records without harmful fluid build-up.

Watts... the difference will impress you.



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9 speakers

AAL

D9500 Speaker

Floor-standing ported speaker with computer-aided Theil-aligned design. Features sub-bass coupler system; 4-way crossover; 12" cone woofer; two 5" cone sealed back ferrofluid midranges; 3" cone tweeter; 2½" horn-loaded quartz supertweeter. FR 32-22,000 Hz ± 3 dB; minimum power 5 W; max power 205 W; sens 99.5 dB SPL/W/m; imp 4/8 ohms. 15¼" W × 39¼" H × 14¼" D; 76 lbs; amari walnut woodgrain finish \$1,000/pr

D5500 Speaker

Floor-standing ported speaker with computer-aided Theil-aligned design. Features 4-way crossover; 12" cone woofer; 5" cone sealed back ferrofluid midrange; 3" cone tweeter; 2½" horn-loaded quartz supertweeter. FR 43-22,000 Hz ± 3 dB; minimum power 5 W; max power 116 W; sens 96.5 dB SPL/W/m; imp 4/8 ohms. 15½" W × 27" H × 10¼" D; 40 pounds; amari walnut woodgrain finish \$700/pr

D4500 Speaker

Ported speaker with computer-aided Theil-aligned design. Features 3-layer voice coil; horn-loaded 2-piece grille design; 10" cone woofer; 5" cone sealed-back midrange; 2½" horn-loaded quartz tweeter. FR 45-22,000 Hz ± 3 dB; minimum power 5 W; max power 78 W; sens 95.5 dB SPL/W/m; imp 4/8 ohms. 15" W × 24" H × 10" D; 34 lbs; amari walnut woodgrain finish \$500/pr

D3500 Speaker

Ported speaker with computer-aided Theil aligned design. Features nonmagnetic tweeter for use near video monitors; horn-loaded 2-piece grille design; 8" cone woofer; 2½" horn-loaded quartz tweeter. FR 60-20,000 Hz ± 3 dB; minimum power 5 W; max power 42 W; sens 94.5 dB SPL/W/m; imp 4/8 ohms. 11¼" W × 18¼" H × 8" D; 38 lbs/ 2 per carton; amari walnut woodgrain finish \$340/pr

ACCULAB by RTR SPEAKER CO.

Digital Reference Loudspeaker Series

All Digital Reference speakers feature drivers with special heat resistant wire wound on aluminum bobins. Cabinets are finished in walnut-grain vinyl.

550. 5-way speaker with computer-optimized passive radiator vented enclosure with base; 12" woofer with 1½" voice coil and nylon-laminate composition cone; 12" mass-aligned passive radiator; 3¾" high-definition midrange; 2¼" extended-range tweeters and 2½" solid-state supertweeter. FR ± 3.5 dB 30-25,000 Hz; imp 8 ohms; sens 92.5 dB; input power 5-90 W RMS; 15" W × 40" H × 11" D; 54 lbs \$640/pr

450. 4-way speaker with computer-optimized acoustic-suspension enclosure with base, 12" woofer with 1½" voice coil and nylon-laminate composition cone, 5¾" high-definition midrange, 2¼" extended-range tweeter; 2½" solid-state supertweeter. FR ± 3.5 dB 32-25,000 Hz; imp 8 ohms; sens 92.5 dB SPL/W/m; input power 5-90 W RMS; 14¼" W × 32" H × 11" D; 45 lbs \$500/pr

350A. 3-way speaker with computer-optimized acoustic-suspension enclosure; 12" woofer with 1½" voice coil and nylon-laminate composition cone; 3¾" high-definition midrange and 2½" solid state supertweeter. FR ± 4 dB, 36-18,000 Hz, 500 Hz; 5-75 W RMS; 1,500 Hz, 10,000 Hz crossover frequencies; imp 8 ohms; sens 91 dB; auto reset circuit breaker protection; 29 lbs \$400/pr

330. 3-way speaker with computer-optimized acoustic-suspension enclosure, 10" woofer with nylon-laminate composition cone, 3¾" high-definition midrange and 2¼" extended-range tweeter. FR ± 4 dB 40-18,500 Hz; power range 15-60 WRMS; 2,000 Hz, 10,000 Hz crossover frequencies; 8 ohms imp; 91 dB sens; auto reset circuit breaker protection; 13" W × 22" H × 10¼" D; 29 lbs \$300/pr

230. 3-way speaker with computer-optimized acoustic-suspension enclosure, 8" woofer with nylon-laminate composition cone, 3¾" high-definition midrange, 2¼" extended-range tweeter. FR ± 4 dB 50-18,500 Hz, 5-50 WRMS; 2,500 Hz, 10,000 Hz crossover frequencies, 8 ohms imp; 90 dB sens; auto reset circuit breaker protection; 11" W × 20¼" H × 7¼" D; 40 lbs \$200/pr

ACOUSTIC INTERFACE

Sound Prism Speaker

Vented-horn speaker with 24" × 52" compression woofer, 13" × 22" horn midrange, 7.25" × 3" horn tweeter, built-in triamplification (800 W/woofer, 300 W/midrange, 100 W/tweeter). Features midrange, tweeter level controls; oiled walnut or oak cabinet. FR 10-10,000 Hz ± 1 dB; sens 105 dB SPL/W/m; crossovers 550 and 5,000 Hz; imp 8 ohms; 72" H × 27" W × 36" D; 500 lbs \$28,000/pr

Sound Portal Speaker

Vented-horn speaker with 24" × 32" compression woofer, 19" × 7" horn midrange, 5" × 5" horn tweeter. Features midrange, tweeter level controls; oiled walnut or oak cabinet. FR 15-20,000 Hz ± 2.5 dB; crossovers 800 and 5,000 Hz; sens 101 dB SPL/W/m; min power 15 W; imp 8 ohms; 48" H × 25½" W × 24" D; 175 lbs \$5,000/pr

Studio Reference Speaker

Vented speaker with 12" woofer, 15" × 4" horn midrange; 5¼" × 2" horn tweeter. Features midrange, tweeter level controls; oiled walnut or oak cabinet; black cloth grille. FR 22-20,000 Hz ± 2.5 dB; crossovers 880 and 5,000 Hz; sens 98 dB SPL/W/m; min power 15 W; imp 8 ohms; 48" H × 18½" W × 16" D; 102 lbs \$2,580/pr

Professional Series II Speaker

Vented speaker with 12" woofer; 2" dome midrange; 1" dome tweeter. Features midrange and tweeter controls; oiled walnut or oak cabinet; black cloth grille. FR 29-20,000 Hz ± 2.5 dB; crossovers 800 and 6,600 Hz; sens 95 dB SPL/W/m; min power 15 W; imp 8 ohms; 36" H × 18½" W × 16" D; 80 lbs \$1,780/pr

Transcendent Speaker

Vented speaker with 12" woofer, 1¼" dome midrange/tweeter. Features midrange, tweeter level controls; oiled walnut or oak cabinet; black cloth grille. FR 38-20,000 Hz ± 2.5 dB; crossover 1,900 Hz; sens 94 dB SPL/W/m; min power 15 W; imp 8 ohms; 24" H × 16" W × 14½" D; 51 lbs \$780/pr

Intimate Speaker

Acoustic-suspension speaker with 10" woofer, 1" dome tweeter. Features tweeter level control; oiled walnut or oak cabinet; black cloth grille. FR 49-20,000 Hz ± 2.5 dB; crossover 5,000 Hz; sens 93 dB SPL/W/m; min power 15 W; imp 8 ohms; 19" H × 12" W × 12" D; 29 lbs \$490/pr

Shadow Speaker

Acoustic-suspension speaker with 8" woofer, 1" dome tweeter. Features cylindrical cabinet covered with black cloth grille. FR 69-20,000 Hz ± 2.5 dB;

crossover 5,000 Hz; sens 91 dB SPL/W/m; min power 15 W; imp 8 ohms; 24½" H × 8¾" D \$290/pr

Angstrom Speaker

Acoustic-suspension speaker with 6½" woofer, 1" dome tweeter. Features charcoal enamel cabinet; black cloth grille. FR 78-20,000 Hz ± 2.5 dB; sens 90 dB SPL/W/m; min power 15 W; imp 8 ohms; 12¼" H 7½" W × 6½" D; 9 lbs \$220/pr

Tremor Subwoofer

Vented subwoofer with 2 woofers in separate subenclosures. Features oiled walnut or oak cabinet; black cloth grille. FR 29-200 Hz ± 2.5 dB; sens 96 dB SPL/W/m; min power 15 W; imp 8 ohms; 27" H × 63½" × 16" D; 150 lbs \$1,090 ea With 200 W/ch × 2 internal amplification \$1,790 ea

ACOUSTAT

Professional Series

Model Eight Speaker System

Similar to Model Two+Two below except utilizes 2 MK-121 drive units and requires 2 stereo amps. Can produce concert-hall levels in very large rooms. FR 24-20,000 Hz ± 2 dB; min power 50 W × 4; nominal imp 6 ohms \$5,199/pr

Model Six. Similar to Model 8 except FR 26-20,000 Hz; 28" W × 3 ½" D; 150 lb \$4,149/pr

Model Two+Two Speaker System

Full-range-element electrostatic speaker with patented MK-121 drive system in floor-ceiling vertical-line-source design. FR 28-20,000 Hz ± 2 dB; max output 115 dB SPL at 22 ft; min power 50 W; nominal imp 4 ohms; 96" H × 20" W × 3 ½" D; 105 lb ... \$2,399/pr

Model Three. Similar to Model Two+Two except FR 30-20,000 Hz; 70 W min power; sens 110 dB SPL at 18 ft; 72" H × 28" W × 3 ½" D; 75 lb ... \$1,995/pr

Model One+One. Similar to Model Two+Two but half the width. FR 30-20,000 Hz ± 2 dB; min power 70 W; 93" H × 11" W × 3 ½" D; 72 lb ... \$1,549/pr

Model One Speaker System

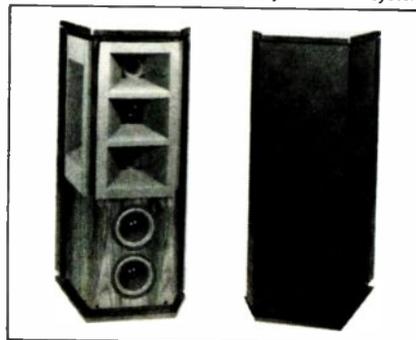
Single-panel speaker; hybrid system with 18" satellite woofer cube; FR 30-18,000 Hz ± 3 dB; min power 75 W; imp 4 ohms \$1,249/pr

ACOUSTIC RESEARCH

Research Series

MGC-1 Ambience-Subsystem Speaker

Floor-standing acoustic-suspension speaker with delayed ambience subsystem built into enclosure plus MGC-1E control and amplification electronics. Speakers are mirror-imaged pairs consisting of a 4-way passive system and 6-element 2-way active subsystem



AR

At AR, we design our loudspeakers for the way people hear. Our continuous research into loudspeaker design, auditory perception and room acoustics, is focused toward one goal; natural, believable sonic accuracy and refinement. Every detail of every AR loudspeaker reflects our precisely integrated system design, from Acoustic Suspension to Controlled Radiation. Stop by your local stereo components dealer, and listen to the new AR loudspeakers. Hear for yourself the sound of perfect harmony.

***Optimum Performance.
The sound of
perfect harmony.***



TELEDYNE ACOUSTIC RESEARCH
CIRCLE NO. 17 ON READER SERVICE CARD

for delayed ambience radiation. Electronic unit controls system parameters and provides signal processing, delay, and power amplification for delayed ambience subsystem. Two 8" cone woofers, two 4" cone midranges, 1 1/2" dome tweeters, 3/4" dome supertweeter. FR (3-dB down point, half power) 39 and 32,000 Hz; power range 25-250 W; sens 88 dB SPL/W/m; imp 4 ohms; 26 1/4" W x 52" H x 16 1/2" D; 150 lbs.

Rosewood \$7,100/pr
Walnut \$3,600/pr

Connoisseur Series

Model 20 Bookshelf Speaker

2-way acoustic-suspension bookshelf speaker with controlled directivity driver and crossover system. Oiled walnut-veneer cabinet. 8" polypropylene cone woofer, 1" liquid-cooled dome tweeter. FR (3-dB down points) 52 and 22,000 Hz; power range 10-100 W; sens 89 dB SPL/W/m; imp 6 ohms; 17 1/4" W x 11 1/8" H x 7 1/4" D; 19 lbs ea \$400/pr

Model 19 Bookshelf Speaker

2-way acoustic-suspension bookshelf speaker with vertically arrayed drivers. Oiled walnut-veneer cabinet. 6" cone woofer, 1" dome tweeter. FR (3-dB down points) 62 and 22,000 Hz; power range 10-75 W; sens 88 dB SPL/W/m; imp 8 ohms; 10 1/4" W x 16" H x 6 1/8" D; 15 lbs ea \$300/pr

The Subwoofer

Floor-loaded acoustic-suspension subwoofer with crossover. Two 10" cone subwoofer drivers in oiled walnut-veneer cabinet. Power range 15-200 W; sens 87.5 SPL/W/m; imp 4 ohms. 30 1/4" W x 16 1/4" H x 18 1/2" D; 70 lbs \$595

AR Series

AR9LSi Floor-Standing Speaker

Floor-standing acoustic-suspension speaker with vertically aligned drivers. 12" cone woofer; 10" cone woofer; 8" cone midrange; 1 1/2" dome midrange; 3/4" dome tweeter. FR 28-32,000 Hz -3 dB; power range 15-400 W; sens 87 dB SPL/W/m; imp 4 ohms; oiled walnut veneer finish; 18 1/2" W x 5 1/4" H x 14 1/2" D; 135 lbs ea \$1,950/pr

AR98LSi Bookshelf Speaker

Bookshelf acoustic-suspension speaker with 4 drivers in vertical array, 2 of which are closely spaced on single magnet structure for uniform vertical dispersion. 12" cone woofer; 8" cone midrange; 1 1/2" dome midrange; 3/4" dome tweeter. FR 39-32,000 Hz ±3 dB; power range 15-250 W; sens 87 dB SPL/W/m; imp 4 ohms; oiled walnut veneer finish; 14 1/2" W x 29 1/2" H x 9 1/2" D; 70 lbs ea \$1,190/pr

AR58BX Floor-Standing Speaker

Floor-standing acoustic-suspension speaker with drivers vertically aligned for precise stereo imaging. 12" cone woofer; 4" cone midrange; 3/4" dome tweeter. FR 39-32,000 Hz ±3 dB; power range 15-175 W; sens 90 dB SPL/W/m; imp 4 ohms; walnut vinyl finish; 13 1/2" W x 30 1/2" H x 10" D; 53 lbs ea. \$720/pr

AR48BX Floor-Standing Speaker

Acoustic-suspension speaker with drivers vertically aligned for precise stereo imaging. 10" cone woofer; 4" cone midrange; 3/4" dome tweeter. FR 45-32,000 Hz ±3 dB; power range 15-150 W; sens 88 dB SPL/W/m; imp 6 ohms; walnut vinyl finish; 13" W x 27 1/4" H x 9 1/4" D; 43.3 lbs \$570/pr

AR38BX Bookshelf Speaker

Acoustic-suspension speaker with drivers vertically aligned for precise stereo imaging. 8" cone woofer; 4" cone midrange; 3/4" dome tweeter. FR (3-dB down points) 52 and 32,000 Hz; power range 10-100 W; sens 88 dB SPL/W/m; imp 6 ohms; walnut vinyl finish; 21 1/4" W x 13" H x 7 1/4" D; 59.9 lbs \$440/pr

AR28BX Floor-Standing Speaker

Acoustic-suspension speaker with drivers vertically aligned for precise stereo imaging. 10" cone woofer;

1" cone tweeter. FR 42-22,000 Hz ±3 dB; power range 10-100 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut vinyl finish; 13" W x 27 1/4" H x 10 1/4" D; 59.9 lbs \$400/pr

AR18BX Bookshelf Speaker

Acoustic-suspension speaker with drivers vertically aligned for precise stereo imaging. 8" cone woofer; 1" cone tweeter. FR 52-25,000 Hz ±3 dB; power range 10-75 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut vinyl finish; 10 1/8" W x 17 1/8" H x 8 1/4" D; 18 lbs \$260/pr

AR1MS Miniature Speaker

Acoustic-suspension speaker with rigid deep-drawn aluminum cabinet. Threaded inserts on rear allow multiple mounting options. 4" cone woofer; 1" dome tweeter. FR 95-25,000 Hz ±3 dB; power range 7-75 W; sens 95 dB SPL/W/m; imp 4 ohms; satin black finish; 4 1/4" W x 7 1/4" H x 4 1/2" D; 4.5 lbs \$250/pr

AR8BX Bookshelf Speaker

Acoustic-suspension speaker with drivers vertically aligned. 6" cone woofer; 1" cone tweeter. FR 62-25,000 Hz ±3 dB; power range 10-75 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut vinyl finish; 9 1/4" W x 15 1/2" H x 7 1/4" D; 16 lbs \$200/pr

APATURE by ACR

Trident Three-Piece System

Speaker system consisting of bass module subwoofer and 2 satellites. Finished in Hawaiian koa with acoustically transparent cloth grilles on a non-resonant frame. Subwoofer features 10" dual-voice-coil styrene woofer in separate subenclosures for each channel; level control; compressed wood cabinet. Satellites house 5.25" polypropylene midrange; ribbon tweeter; phase-compensated fast-reaction crossover; control switch. Subwoofer specs: FR 28-125 Hz; sens 90 dB SPL/W/m; min power 25 W; 16" H x 30" W x 21" D; 70 lbs. Satellite specs: FR 125-34,000 Hz; sens 90 dB SPL/W/m; min power 25 W; 12" H x 8" W x 8" D; 14 lbs. Three-piece system \$550
LFM-2. Bass module \$280
R-5. Satellites \$130/pr

Pro 1 Speaker

Floor-standing tower speaker with 360° grille and oak caps. Features voice-coil-aligned drivers; phase-coherent network. 10" poly woofer; 2 1/2" horn-loaded epoxy tweeter. Power range 10-100 W; sens 94 dB SPL/W/m; imp 4 ohms; 11" W x 33" H x 12" D; 47 lbs \$400/pr

R-8A Speaker

Ported bookshelf speaker with fast-reaction phase-coherent crossover at 1,800 Hz; 8" clear poly woofer; 1" soft-dome tweeter. Power range 10-60 W; sens 96 dB SPL/W/m; imp 8 ohms; handmade dado-interlocked cabinet. 12" W x 22" H x 12" D \$300/pr

ADS

400 Miniature Speaker

Two-way acoustic-suspension speaker with 7" Stiffite® high-compliance ultra-long-excursion cone woofer, 1" soft-dome tweeter; drivers are diffraction-corrected and flush-mounted. Features high-grade oak or walnut finish with radius-edged oak/walnut inserts, black convex steel grille. FR 60-20,000 Hz ±3 dB; crossover at 2 kHz; sens 90 dB SPL/W/m; power rating 50 W nominal, 75 W peak program; nominal imp 4 ohms; 11 1/4" H x 7 1/4" W x 7 1/4" D; walnut and black finish. Available in pairs only \$400/pr

300W Miniature Speaker System

Acoustic-suspension 2-way speaker system with 5 1/4" high-compliance, long-excursion Stiffite woofer, 1" soft-dome tweeter; drivers diffraction-corrected and flush-mounted. Features walnut-veneer cabinet with radius-edged solid walnut corner inserts, acoustically transparent black metal grille in complementary finish. FR 65-20,000 Hz ±3 dB; crossover 2.0 kHz with 12-dB/octave slope; sens 89 dB SPL/W/m; power rating 50 W nominal, 75 W peak program; imp 4

ohms; 8 1/4" H x 6 1/4" D x 6 1/4" W. Available in pairs only \$350/pr

300 Miniature Speaker

Miniature 2-way acoustic-suspension speaker with 5 1/4" high-compliance long-excursion Stiffite® woofer, 1" soft-dome tweeter. Features aluminum enclosure (black textured urethane) with black convex steel grille. FR 65-20,000 Hz ±3 dB; crossover 2.0 Hz with 12-dB/octave slope; sens 89-dB SPL/W/m; rated input 50 W continuous, 75 W peak program; imp 4 ohms; 8 1/4" H x 5 1/4" W x 5 1/4" D \$340/pr

200 Miniature Speaker

Miniature 2-way acoustic-suspension speaker with 4" high-compliance ultra-long-excursion woofer, 1" soft-dome tweeter. Features brushed aluminum enclosure (black textured urethane) with black convex steel grille. FR 85-20,000 Hz ±3 dB; crossover 2.0 kHz with 12-dB/octave slope; sens 88-dB SPL/W/m; rated input 30 W continuous, min input 5 W; imp 4 ohms; 6 1/4" H x 4 1/4" W x 4 1/4" D \$260/pr

Series 2

L1590 Speaker

Floor-standing acoustic-suspension speaker with glass fiber damping and separate chamber for each woofer. Features optional PAL biamp/crossover module installs in recess in rear of speaker; tweeter and midrange wet wound, single layer high temperature voice coil assembly; magnetic fluid cooling; woofers are high compliance with tapered damped Stiffite® cones with butyl rubber surrounds; wet wound, two layer, high temperature linear drive voice coil assemblies in extended pole-magnet structures; two 10" cast basket high compliance woofers; 2" woven soft-dome damped midrange; 7.5" woven soft-dome damped tweeter. FR 28-27,000 Hz ±3 dB; maximum power 500 W; sens 90 dB SPL/W/m; imp 8; black finish; 11.5" W x 47.3" H x 14.2" D; 100 lbs \$1,990/pr
Walnut finish \$2,099/pr
Rosewood finish \$2,750/pr

L1290 Monitor Speaker

Acoustic-suspension 3-way monitor speaker with 2 8 1/4" high-compliance Stiffite® woofers in separate chambers, 2" soft-dome midrange, 3/4" magnetic cooling fluid soft-dome tweeter. Features single-switch biamp conversion; tweeter level switch; removable black metal grille. FR 40-27,000 Hz ±3 dB; crossovers 500 and 5k Hz; sens 90 dB SPL/W/m; power rating 300 W max; nominal imp 8 ohms; 41 1/4" H x 10 1/2" W x 11 1/4" D; walnut veneer finish \$1,300/pr
Black finish \$1,260/pr

L1090 Speaker System

Three-way acoustic-suspension speaker system with 2 7 1/4" high-compliance Stiffite® cone woofers in separate chambers, 2" soft-dome midrange, 3/4" magnetic cooling fluid soft-dome tweeter. Features high-grade walnut veneer or black finish and removable black metal grille. FR 44-27,000 Hz ±3 dB; crossovers 550 and 5k Hz; sens 89 dB SPL/W/m; power rating 175 W max; nominal imp 8 ohms; 37 1/4" H x 9 1/2" W x 9 1/4" D. Walnut veneer finish \$1,040/pr
Black finish \$1,000/pr

L980 Speaker System

Acoustic-suspension 3-way speaker system with 12" Stiffite® woofers, 2" soft-dome midrange, 3/4" magnetic cooling fluid soft-dome tweeter. Separate tweeter level switch; single-switch biamp conversion, high-grade walnut veneer or black finish with black perforated steel grille. FR 37-27,000 Hz ±3 dB; crossovers 450 and 5k Hz; sens 89 dB SPL/W/m; power 300 W max; imp 8 ohms; 26 1/4" H x 15" W x 13 1/4" D; walnut veneer finish \$1,099/pr
Black finish \$1,059/pr

L880 Speaker

Three-way acoustic-suspension speaker with 10" Stiffite® long-excursion woofer, 2" soft-dome midrange, 3/4" magnetic-cooling fluid soft dome tweeter.

Tweeter level switch; genuine walnut or black finish with black metal grille. FR 40-27,000 Hz \pm 3 dB; crossovers 550 and 5K Hz; sens 89 dB SPL/W/m; imp 8 ohms; power 200 W max. \$800/pr
Black finish \$760/pr

L780 Speaker

Acoustic-suspension 3-way speaker with 8 1/2" high-compliance long-excursion Stiffite cone woofer, 1 1/2" soft-dome midrange, 3/4" magnetic cooling fluid soft-dome tweeter and midrange; drivers are diffraction-corrected and flush-mounted. Features black perforated steel grille. FR 42-27,000 Hz \pm 3 dB; crossovers 650 and 5 kHz; sens 88 dB SPL/W/m; power rating 125 W max, nominal imp 8 ohms; 20 1/2" H x 12 1/4" W x 10 1/2" D; walnut veneer finish \$640/pr
Black finish \$600/pr

L570 Speaker

Acoustic-suspension 2-way speaker with 8" Stiffite® woofer and 1" soft-dome tweeter. Features self re-setting solid state tweeter protector; high-grade walnut or black finish with removable black convex steel grille; FR 46-20,000 Hz \pm 3 dB; crossover at 1.8 kHz; sens 88 dB SPL/W/m; nominal imp 8 ohms; 20" H x 11 1/2" W x 10 1/2" D; walnut veneer finish \$440/pr
Black finish \$400/pr

L470 Speaker

Two-way acoustic-suspension speaker with self resetting solid state tweeter protectors. Features 7" Stiffite® woofer and 1" soft-dome tweeter. Walnut, vinyl, or black finish. FR 50-20,000 Hz \pm 3 dB; crossover at 2 kHz; sens 88 dB SPL/W/m; nominal imp 8 ohms. \$320/pr

ADVENT

6003 Speaker System

Acoustic-suspension 3-way speaker system with Advent woofer, Advent midrange, and 1" dome tweeter. Genuine walnut veneer cabinet with dark brown grille cloth. FR 40-22,000 Hz \pm 2.5 dB; crossovers 750 Hz and 4,500 Hz; sens 88.5 dB SPL/W/m; imp 8 ohms; 32 1/2" W x 22" H x 8 3/4" D. \$750/pr

Prodigy™ Speaker

Digital ready floor-standing speaker with solid pecan endcaps and wrap around grille. Features 8" high excursion surround with aluminum voice coil form woofer; 3/4" ferrofluid filled soft dome tweeter with complex crossover network. FR 48-22,000 Hz \pm 3 dB; min power 75 W; RMS max peak power 300 W; sens 87 dB SPL/W/m; imp 8 ohms. \$299/pr

The Baby Advent

Two-way speaker with 6 1/2" woofer and 1 1/2" ferrofluid cone tweeter. FR 60-25,000 Hz \pm 3 dB;



imp 8 ohms; sens 87 dB SPL/W/m; max power > 150 W peak. \$198/pr

AKAI

SW-A90 Speaker

Floor-standing speaker. Features 10 sq flat diaphragm passive rad; 10 sq flat diaphragm woofer; 4 sq flat diaphragm midrange; 1 sq flat diaphragm

tweeter. FR 30-40,000 Hz; minimum power 10 W; max power 200 W; imp 8 ohms. 33.1 lbs; PVC walnut finish. \$450/pr

SW-A70 Speaker

Floor-standing ported speaker. Features 12" polypropylene cone woofer; 1.5" dome midrange; 1/2" dome tweeter; 1/2" piezo supertweeter. FR 30-35,000 Hz \pm 3 dB; min power 10 W; max power 180 W; sens 90 dB SPL/W/m; imp 8 ohms. 33.1 lbs; PVC walnut finish. \$400/pr

SR-LA301 Speaker

Floor-standing box speaker. Features 12" cone woofer; 4" cone midrange; 3" cone tweeter. FR 36-20,000 Hz; minimum power 10 W; max power 130 W; sens 90 dB SPL/W/m; imp 8 ohms. 15" W x 27" H x 12 1/2" D; 33.1 lbs; PVC walnut finish. \$270/pr

SR-LA201 Speaker

Floor-standing box speaker. Features 10" cone woofer; 4" cone midrange; 3" cone tweeter. Frequency response 40-20,000 Hz; minimum power 10 W; max power 110 W; sensitivity 90 dB SPL/W/m; impedance 8 ohms. 13" W x 26" H x 10.5" D; 25.4 lbs; PVC walnut finish. \$200/pr

SW-M40 Speaker

Bookshelf 2-way box speaker with magnetic shielding. Features 7" flat diaphragm woofer; 1.5" cone tweeter. Frequency response 50-25,000 Hz; minimum power 10 W; max power 60 W; sensitivity 88 dB SPL/W/m; imp 8 ohms 8" W x 15" H x 7 1/2" D; black finish. \$180/pr

SR-LA101 Speaker

Floor-standing box speaker. Features 8" cone woofer; 4" cone midrange; 3" cone tweeter. Minimum power 10 W; max power 80 W; sens 90 dB SPL/W/m; imp 8 ohms. 12" W x 24" H x 9 3/4" D; 22.1 lbs; PVC walnut finish. \$180/pr

SW-M30 Speaker

Bookshelf bass reflex speaker. Features 5" cone woofer; 2" cone tweeter. FR 50-25,000 Hz; minimum power 10 W; max power 40 W; sens 88 dB SPL/W/m; imp 8 ohms. 8" W x 15" H x 7" D; black finish. \$150/pr

ALLISON

Prices slightly higher in the West.

Model One Speaker

Stabilized-radiation-loading design with two 10" woofers, two 3 1/2" convex midranges, two 1" convex tweeters. Features LC half-section crossover network; air-core chokes; nonpolarized computer-grade capacitors; switches for selecting system acoustic power response (flat to concert-hall balance slope). Crossovers 350 and 3,750 Hz; imp 8 ohms; efficiency 0.7% at floor-wall intersection; min power 30 W/ch for 100-dB SPL in reverberant field; system resonance 45 Hz nominal; 40" H x 19" W x 10 1/4" D. \$1,300/pr

Model Two. Same as Model One except has two 8" woofers, two 3 1/2" convex midranges, two 1" convex tweeters. System resonance 52 Hz nominal; 36" H x 16" W x 9 3/4" D. \$1,100/pr

Model CD9 Speaker

Three-way stabilized-radiation-loading speaker with 10" woofer, 3 1/2" convex-diaphragm midrange, 1" convex-diaphragm tweeter, designed for placement on floor, against single wall. Features LC half-section crossover network; switches to select system acoustic power response (flat to concert-hall balance slope); walnut or oak-veneer cabinet with hand-rubbed lacquer finish; steel base. Crossovers 350 and 3,750 Hz; imp 4 ohms; efficiency 0.7% at floor/wall intersection; power range 30-200 W; resonance 45 Hz; 37 1/2" H x 12 1/2" W x 10 3/4" D. \$1,100/pr



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Model Three Speaker

Stabilized-radiation-loading speaker with 10" woofer, 3 1/2" convex midrange, 1" convex tweeter. Features corner-mount design; LC half-section crossover network; switches for selecting system acoustic power response; bi-amplification capability using external crossover; walnut-veneer, oil-finished enclosure. Crossovers at 350 and 3,750 Hz; min power 30 W/ch for 100-dB reverberant SPL; resonance 45 Hz; imp 4 ohms; 40" H x 15 1/4" W x 10" D \$870/pr

Model CD8 Speaker

Three-way stabilized-radiation-loading speaker with 8" woofer, 3 1/2" convex-diaphragm midrange, 1" convex-diaphragm tweeter, designed for placement on floor close to a wall. Features LC half-section crossover network with switches to select system acoustic power response from flat to concert slope. Crossover frequencies 450 and 3,750 Hz; efficiency 0.7%; power range 30-200 W; resonance 49 Hz; 28 1/2" H x 10 1/2" W x 10 1/2" D. Walnut- or oak-veneer cabinet with hand-rubbed lacquer finish \$790/pr

Model Four Speaker System

Two-way stabilized-radiation-loading system with 8" woofer, two 1" Convex Diaphragm tweeters. Designed to be used against or hung on wall with included hardware. Features walnut or oak veneer enclosure; LC quarter-section network with 3-position switch to adjust response from nominally flat to "concert hall" balance slope. Crossover 2,000 Hz; resonance 52 Hz; imp 8 ohms; min power 30 W/ch for 100 dB SPL in reverberant field; 19 1/2" W x 11" W x 10" D \$600/pr

Model CD7 Speaker System

Two-way stabilized-radiation-loading speaker system with 8" woofer, 1" convex-diaphragm tweeter, designed for placement on floor against single wall. Features LC crossover network that uses premium chokes, computer-grade capacitor; walnut- or oak-veneer cabinet with hand-rubbed lacquer finish. Crossover 2,000 Hz; resonance 52 Hz; imp 4 ohms; power range 15-150 W; 26 1/2" H x 9 1/4" W x 9 1/4" D \$500/pr

Model CD6 Speaker. Same as Model CD7 except designed for wall or shelf mounting and smaller; resonant frequency is 59 Hz; 11 1/4" H x 11 1/4" W x 11 1/4" D \$390/pr

Model Five Speaker

Two-way stabilized-radiation-loading speaker with 8" woofer, 1" convex tweeter, designed for placement against single wall. Features LC quarter-section network with premium quality components; oil-finished walnut-veneer enclosure. Crossover 2,000 Hz; resonance 52 Hz; imp 4 ohms; min power 15 W for 97-dB SPL in reverberant field; 18 1/2" H x 11" W x 10" D \$430/pr

Series 100 Speakers

Two-way stabilized-radiation-loading speakers which perform optimally standing on floor. All have walnut-grain vinyl cabinet and Allison convex-diaphragm 1" tweeter; quarter-section LC crossover network with choke and premium quality capacitor. Crossover frequency 2,000 Hz; sens 90 dB SPL/2.83 V/m. Power range 15-150 W.

Model 120. 8" woofer; resonance 52 Hz. 21 1/4" H x 13 1/2" W x 7 1/2" D \$320/pr

Model 110. 8" woofer; resonance 59 Hz. 18" H x 11 1/2" W x 7 1/2" D \$260/pr

AUDIO CONCEPTS

All Audio Concepts speakers are kits which need to be assembled. Each kit contains one pair (2) speakers.

Gold 30 Speaker

Dipole speaker with free-standing ribbon covering and vapor-deposited gold conductor. Requires optional frame, crossover and woofers. Includes 30" ribbon midrange. FR 300-30,000 Hz ± 3 dB; min power 20 W; max power 100 W; sens 88 dB SPL/W/m; imp 2 ohms. 6" W x 31" H x 2" D; 18 lbs; charcoal nextel finish \$1,000/kit

DII Speaker

Floor-standing aperiodic speaker with dynaudio drivers and polypropylene caps in crossover. Features sloped front; 12" cone woofer; 2" dome midrange; 1" dome tweeter. FR 32-20,000 Hz ± 3 dB; min power 20 W; max power 300 W; sens 92 dB SPL/W/m; imp 8 ohms. 16" W x 36 1/2" H x 16 1/4" D; 85 lbs; oak/walnut finishes \$699/kit

DIA Speaker

Floor-standing aperiodic speaker with dynaudio drivers and polypropylene caps in crossover. Features sloped front 9" cone woofer; 2" dome midrange; 1" dome tweeter. FR 40-20,000 Hz ± 3 dB; min power 25 W; max power 300 W; sens 91 dB SPL/W/m; imp 8 ohms. 14 1/2" W x 28 1/2" H x 13" D; 53 lbs; oak/walnut finishes \$529/kit

Quartz J Speaker

Floor-standing transmission line speaker with cabinet design said to eliminate diffraction, resonances, and rear wave colorations. Features 7" plastic cone woofer; 1" ferro-fluid dome tweeter. Includes 3" voice-coil woofer with phase correct crossover utilizing only high-grade components and wiring. May be bi-amplified or bi-wired. FR 52-20,000 Hz ± 3 dB; min power 40 W; max power 300 W; sens 88 dB SPL/W/m; imp 7 ohms. 12 1/4" W x 38" H x 12 1/4" D; 55 lbs; oak or special order finishes \$479/kit

Assembled \$889/pr

Vanguard Speaker

Aperiodic speaker intended for floor placement with sloping front. Features cast-frame 9" bass-mid, proprietary dual RCL crossover allowing phase-coherent blending of woofer and aperiodic tweeter. Contains 9" woofer with cast frame plastic cone; 1" dome tweeter. FR 45-20,000 Hz ± 3 dB; power range 20-400 W; sens 91 dB SPL/W/m; imp 8 ohms; available in oak, walnut, oiled; 50 lbs; 14 1/2" W x 31 1/2" H x 12 1/2" D \$399/kit

Compact Monitor

Aperiodic speaker for bookshelf placement. Features phase-coherent low-diffraction optimum-transient-capability aperiodic woofer and tweeter, solid hardwood veneers. Contains 6 1/2" plastic cone woofer, 1" cloth-dome ferrofluid tweeter. FR 55-20,000 Hz ± 3 dB; power range 20-200 W; sens 88 dB SPL/W/m; imp 8 ohms; available in oak, stained oak, walnut; 18 lbs; 10" W x 16" H x 8" D \$389/kit

Model G Speaker

Floor-standing aperiodic speaker with sloped front cast-frame woofer and midrange, mylar capacitors. Features 10" cone woofer; 4 1/2" cone midrange; 1" ferro-fluid dome tweeter. FR 45-20,000 Hz ± 3 dB; min power 20 W; max power 150 W; sens 91 dB SPL/W/m; imp 7 ohms. 14 1/2" W x 28 1/2" H x 13" D; 51 lbs; oak/walnut finishes \$339/kit

Model C Speaker

Sealed bookshelf speaker mylar capacitors and air-core coils. Features 8" polypropylene cast-frame cone woofer; 1" ferro-fluid dome tweeter. FR 50-20,000 Hz ± 3 dB; min power 20 W; max power 100 W; sens 89 dB SPL/W/m; imp 8 ohms. 12" W x 19" H x 10 1/2" D; 24 lbs; oak/walnut finishes \$200/kit

JCRS Subwoofer 3

Floor-standing compound push-pull subwoofer with internal driver coupled with external. Includes cast-frame dynaudio plastic cone woofers with 4" voice coils; two 12" cone subwoofers. FR 20-500 Hz ± 3 dB; min power 30 W; max power 500 W; sens 91 dB SPL/W/m; imp 3 ohms. 34 1/2" W x 21" H x 20 1/2" D; 135 lbs \$879/kit

AUDIO PRO by SONIC RESEARCH**A4-14 Bi-amplified Speaker System**

Bi-amplified 3-way bass-reflex bookshelf speaker incorporates Ace-Bass subwoofer with 2 5" down-firing rear-mounted woofers and own amp, flush-mounted 4 1/2" cone midrange, 1" soft-dome tweeter with separate amp. Features room-matching bass control,

tweeter control, sens control (100 mV-50 V range), L/R signal pushbutton, bass-blend push-button control, power on/off signal-actuated in automode; walnut or black-ash finish; speaker stands included. FR 30-20,000 Hz ± 2 dB; crossovers 300 and 2.5 kHz; distortion 2% at 96 dB SPL/half-space/m at 30 Hz; 20.5" H x 2.12" W x 10.5" D \$1,795/system

2-25 Speaker

2-way speaker with 1" soft dome tweeter and 8" mid-range woofer. FR 50-20,000 Hz -3 dB; crossover at 2,000 Hz; imp 4 ohms 20 1/4" x 11 1/4" x 10 1/4"; sens 90 dB SPL/W/m; walnut finish \$450/pr

Amplified Subwoofers

B4-200. Super subwoofer features 4 long-throw 8" woofers, built-in 150-W amp giving 110 dB SPL from 20-200 Hz ± 1.5 dB; active variable crossover; sens control; soft-clipping circuit; 44 1/2" H x 21 1/2" W x 21 1/2" D; walnut finish \$2,750/ea

B2-100. Bass-reflex system. Two 8" long-throw woofers driven by built-in power amp for at least 104 dB SPL. FR 20-200 Hz ± 1.5 dB; active high and low pass filters plus sens control. Walnut or black ash finish, 35 1/2" W x 19 1/2" W x 16 1/2" D .. \$1,495/ea

B2-50. Bass-reflex subwoofer; 2 long-throw 6 1/2" woofers plus built-in amp for fast rise time control of driver performance; separate volume and crossover control to match with satellite performance. FR 20-200 Hz ± 1.5 dB; distortion 1% beyond 50 Hz at 100 dB SPL/half space/m; walnut or black ash finish; 21 1/4" H x 18 1/4" W x 17 1/4" D \$995/ea

B2-40. Bass-reflex speaker with 2 long-throw 5 1/2" woofers plus built-in amp with soft-clipping circuit; active crossover for satellite and subwoofer; sens control; crossover filters. FR 30-200 Hz ± 1.5 dB; distortion 1% beyond 50 Hz at 100 dB SPL/half space/m; walnut or black ash finish; 20 1/2" H x 14 1/4" W x 14 1/4" D \$695/ea

AUDIO PULSE by API**1535 Speaker**

Acoustic-suspension speaker with 15" woofer, 42" ferrofluid-cooled tweeter and 1 1/4" ferrofluid tweeter. FR 30-20,000 Hz ± 3 dB; min power 5 W, max power 125 W; sens 92 dB SPL/W/m; imp 6 ohms; available in Lagos Hickory vinyl; 65 lbs; 17" W x 32" H x 15" D \$600/pr

1235 Speaker

Ported speaker with ferrofluid-cooled tweeter and midrange; 12" polypropylene cone woofers; 1 1/4" cone tweeters. FR 30-20,000 Hz ± 3 dB; min power 5 W, max power 75 W; sens 91 dB SPL/W/m; imp 6 ohms; available in Lagos Hickory vinyl; 30 lbs; 14 1/2" W x 26" H x 11 1/4" D \$400/pr

1035. Similar to 1235 except 10" polypropylene cone woofer. FR 35-20,000 Hz ± 3 dB; max power 60 W; available in Lagos Hickory vinyl; 25 lbs; 14" W x 24" H x 9" D \$300/pr

835. Similar to 1035 except 8" polypropylene cone woofer. FR 40-20,000 Hz ± 3 dB; max power 50 W; sens 90 dB SPL/W/m; available in Lagos Hickory vinyl; 12" W x 23" H x 9" D \$250/pr

825 Speaker

Two-way ported speaker with 8" cone woofer; 1" horn-loaded cone tweeter. FR 45-20,000 Hz ± 3 dB; min power 5 W, max power 35 W; sens 89 dB SPL with 1/W/m; imp 6 ohms; available in Lagos Hickory vinyl; 18 lbs; 12" W x 23" H x 10" D .. \$200/pr

AUDIOSOURCE**LS-Nine Speaker**

Box speaker intended for bookshelf placement. Features L-C crossover at 3.5 kHz. Contains 8" polypropylene woofer; 1" tweeter. FR 65-20,000 Hz ± 3 dB; max power 80 W; sens 88 dB; imp 6 ohms; white oak with cloth grille; 11 1/4" W x 17 1/4" H x 8 1/4" D \$300/pr

LS-Seven Speaker

Two-way compact speaker with 6 1/2" polywoofer 1" soft-dome tweeter, wood enclosure. FR 70-20,000



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Hz; max power 60 W; imp 8 ohms; sens 87 dB SPL/W/m; L-C crossover at 2 kHz; genuine white oak veneer, cloth grille; 8 $\frac{3}{4}$ " W x 13 $\frac{3}{8}$ " H x 6 $\frac{1}{4}$ " D; 7 lbs \$199/pr

LS-One Speaker

Acoustic-suspension 2-way speaker with 4" woofer, 1" tweeter. FR 100-20,000 Hz; power range 12-40 W; imp 8 ohms; sens 83 dB SPL/W/m; crossover 2.5 kHz; walnut wood-grain or cast-aluminum enclosure with metal grille, or walnut woodgrain; 7.12"H x 4.5"W x 4.56"D; 5.5 lb \$100/pr

LS-Eight Compact Speaker

Compact speaker with 3" high-compliance driver designed for use as extension speakers. FR 150-20,000 Hz; power 15 W; imp 8 ohms; sens 86 dB SPL/W/m; ABS housing; foam grille; 3 $\frac{1}{16}$ " W x 5 $\frac{1}{16}$ " H x 3 $\frac{1}{16}$ " D \$50/pr

LS-Four Speaker

Bookshelf panel speaker. Features 4" polypropylene woofer; 1 $\frac{3}{4}$ " ferro-fluid cooled tweeter. FR 100-20,000 Hz \pm 3 dB; power range 5-50 W; sens 87 dB SPL/W/m; imp 4 ohms; ABS housing, metal grille; 5 $\frac{1}{4}$ " W x 7 $\frac{1}{4}$ " H x 2 $\frac{1}{4}$ " D; 2 $\frac{1}{2}$ lbs \$170/pr

BANG & OLUFSEN

Beovox MC-120-2 Speaker

Three-way speaker in ported cabinet tuned to Bessel function for optimum room matching with 8" woofer, 3" dome midrange driver, 1" tweeter. Features baffle moldings, speaker mount designed for min diffraction; acoustic centers of drivers aligned on common axis for min phase distortion; crossover network with min phase shift; auto protection for drivers; rosewood-veneer cabinet finish (other finishes available). FR 42-22,000 Hz; max power 120 W RMS; distortion 0.5%; dispersion 100° \$998/pr

Beovox S-80-2 Speaker

Three-way speaker in infinite-baffle cabinet with 8" woofer, 3" dome phase-link midrange, 1" tweeter. Features baffle moldings, speaker mounting designed for min diffraction; acoustic centers of drivers aligned on common axis to eliminate phase distortion; crossover network with min phase shift; auto protection for drivers; rosewood-veneer cabinet finish (other finishes available). FR 50-22,000 Hz; max power 80 W RMS; distortion 0.7%; dispersion 100° \$598/pr

RL60 Speaker

Floor-standing ported speaker. Features wide dispersion; high efficiency; multiple placement; 5.9" x 13" aluminum diaphragm passive rad; 2 5" Kafil fiber cone woofers; 1" dome tweeter. FR 45-20,000 Hz \pm 4, -8 dB; power range 10-90 W; sens 93 dB SPL/W/m; imp 8 ohms; charcoal black finish; 21 $\frac{1}{2}$ " W x 16" H x 7" D; 19.6 lbs \$450/pr

CX100 Compact Speaker

Bookshelf box speaker. Features 2 4" cone woofers; 4" dome tweeter. FR 50-20,000 Hz; power range 10-110 W; sens 89 dB SPL/W/m; imp 6 ohms; available in black or brushed aluminum cab finish; 4" W x 12" H x 8" D; 13.5 lbs \$298/pr

BENNETT SOUND

Compusound 150 System

Active speaker utilizing time-delay-derived crossovers, real-time computer-compensated dynamic drivers, and separate power amps for each channel. Six-channel power amp includes two independent power supplies. System includes two 3-way speakers, 19" rack-mountable electronics unit, and connecting cable. Speakers available in oak or walnut. Amp specs: 150 W/ch at less than 0.005% IM or harmonic distortion from 20-20,000 Hz; S/N > 100 dB unwt'd; rise time 2.5 μ sec. Speaker specs: sens 90 dB SPL/W/m; 42.5"H x 14.5"W x 15.25"D \$3,600

COMPUSOUND 100 System

Active speaker utilizing BSC Compusound circuitry as developed for the 150 system (above). Electronics

unit contains active electronic crossovers. Compusound circuits, stereo tweeter amp with two 2-way speaker enclosures. Features level-adjustable signal outputs to drive external woofer amplifier (required) and an external tweeter amplifier (optional if internal tweeter amp is not used). Speakers available in oak or walnut; other finishes by special order. Recommended power per ch 100 watts. Tweeter amp specs: power output 20 W steady-state; slew rate 60 V/ μ ; input imp 50 K ohm; input sens for full Power (adjustable) 1 V RMS. Crossover frequency 2,000 Hz; 3.5"H x 19"W x 14.75"D. Speaker specs: woofers (4 x 5 $\frac{1}{4}$ ") rated 60 W each; tweeter (1") rated 40 watts; FR 25-20,000 Hz; sens 92 dB SPL/W/m; 31"H x 7"W x 16"D (height 56" with optional stands) \$1,295/pr

COMPUSOUND SW100 Subwoofer Package

Two speakers and electronic/passive crossover. Speakers contain 12" long-stroke driver in sealed cabinet designed to be used as a base. Crossover frequency 100 Hz, 6 dB/octave cut-off, 6 dB/octave cut-on; max power 200 W; 24" H x 13" W x 16" D (height 56" including the Compusound 100 enclosure) \$695/pr

BES

SM300 Omnidirectional Speaker

Floor-standing 4-way system with dual-polymer diaphragm. Features 360° omnidirectional dispersion; rotary midrange/high-frequency level controls; bi-amplification capability; wood frame. Sens 93 dB SPL/W/m; recommended power 25-250 W continuous; imp 8 ohms \$1,500/pr

SM280 Omnidirectional Speaker

Large floor-standing 4-way system with dual polymer diaphragm. Features 360° omnidirectional dispersion; rotary midrange/high-frequency level controls; wood frame. FR 32-22,000 Hz; sens 93 dB/W/m; recommended power 10-200 W continuous, imp 8 ohms; 44.25" H x 22" W x 6.75" D \$1,100/pr

SM275 Omnidirectional Speaker

Large floor-standing 3-driver system with double computer-designed polymer diaphragm. Features omnidirectional dispersion; midrange/high-frequency rotary level controls; dual circuit breaker. FR 32-22,000 Hz \pm 3 dB; power range 10-200 W; sens 93 dB SPL/W/m; imp 8 ohms \$950/pr

SM90 Indoor/Outdoor Speaker

Multiple-placement weather-resistant indoor/outdoor 2-driver system with single polymer diaphragm. FR 42-19,000 Hz \pm 3 dB; power range 5-125 W; sens 88 dB SPL/W/m; imp 8 ohms; anodized aluminum; 20 lbs; 19" W x 27 $\frac{1}{2}$ " H x 4 $\frac{1}{4}$ " D \$760/pr

SM255 Mark II Omnidirectional Speaker

Smaller floor-standing 3-way speaker with single polymer diaphragm. Features 360° omnidirectional dispersion; dual rotary midrange/high-frequency level controls; wood frame. Sens 91 dB SPL/W/m; recommended power 10-200 W continuous; imp 8 ohms; 30.25" H x 20" W x 5.75" D \$700/pr

SM100 Omnidirectional Speaker

Smaller floor-standing 2-way system with single polymer diaphragm. Features 360° omnidirectional dispersion; simulated wood frame. Sens 88 dB SPL/W/m; recommended power 5-125 W continuous; imp 8 ohms \$460/pr

SM80 Omnidirectional Panel Speaker

Floor-standing 2-driver speaker with acoustic polymer panel for 360° wrap-around sound dispersion. Simulated wood frame; fuse protected. Power range 5-70 W; sens 88 dB SPL/W/m on all axes; imp 8 ohms; 15" W x 24" H x 4" D; 21 lbs \$330/pr

B&W LOUDSPEAKERS LTD

808 Speaker

Ported floor-standing speaker with 2 300-mm thermoplastic cone woofers, 2 100-mm polyamide

cone midranges, 32-mm polyamide dome tweeter. Features computer-optimized drivers and cabinet; Audio Powered Overload Circuit; 4th-order Butterworth crossover; sep terminals for bi and triamping. FR 30-20,000 Hz \pm 2 dB; min power 100 W; sens 91 dB SPL/W/m; imp 8 ohms; walnut, rosewood, or black ash finish; 25 $\frac{3}{4}$ " W x 41 $\frac{1}{4}$ " H x 20" D; 180 lbs \$7,500/pr

801F Speaker

Floor-standing 3-way acoustic-suspension speaker with vertically aligned drivers to minimize time delays. Features 4th-order Butterworth crossover system; APOC to prevent driver damage; choice of cabinet finishes. FR 45-20,000 Hz \pm 2 dB; power range 50 W-no upper limit due to APOC; imp 8 ohms; 37.3" H x 22" D x 17" W; 97 lb. Walnut, teak, or black ash finish \$3,500/pr
Rosewood finish \$3,950/pr

802F.SP Speaker

Floor-standing acoustic-suspension speaker with 2 165-mm woofers, 100-mm midrange, 26-mm tweeter. Features Butterworth Squared crossovers; APOC; environmental controls; choice of cabinet finishes. FR 55-20,000 Hz \pm 2 dB; power range 50 W-no upper limit due to APOC; 2nd- and 3rd-harmonic distortion < 1%, 100-20,000 Hz for 90 dB SPL; sens 85 dB SPL/W/m; 41"H x 14 1/2"W x 11 3/4"D; 70 lb. Walnut, teak, or black ash finish \$2,500/pr
Rosewood finish \$2,950/pr

DM 3000 Speaker

Acoustic-suspension floor-standing speaker with 8" polyamide woofer, 8" polyamide midrange, 1" polyamide dome tweeter, 10" passive radiator. Features triangular cabinet; APOC; electronic time delay; laser-optimized drivers. FR 50-20,000 Hz \pm 2 dB; min power 80 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut, rosewood, or black ash finish; 12 $\frac{1}{4}$ " W x 38 $\frac{3}{4}$ " H x 15 $\frac{1}{4}$ " D; 77 lbs \$1,790/pr

DM 2000 Speaker

Acoustic-suspension floor-standing speaker with 8" polyamide woofer, 1" tweeter, 8" passive radiator. Features triangular cabinet, APOC. FR 50-20,000 Hz \pm 2 dB; min power 50 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut, rosewood, or black ash finish; 12 $\frac{1}{2}$ " W x 32 $\frac{1}{4}$ " H x 15 $\frac{1}{4}$ " D; 55 lbs \$1,390/pr

DM1400 Speaker

Acoustic-suspension speaker with 150-mm midwoofer, 26-mm tweeter. Features overload protection; electronic time delay; choice of cabinet finishes. FR 80-20,000 Hz \pm 2 dB; power range 30 W-no upper limit due to overload protection; sens 86 dB SPL/W/m; imp 8 ohms; 31 $\frac{1}{2}$ " W x 11 $\frac{1}{2}$ " D x 10" H; 35 lb. Walnut, teak, or black ash finish \$1,000/pr
Rosewood finish \$1,150/pr

The DM17 Limited Speaker

Speaker with top-mounted treble unit time-aligned to bass/midrange driver. Features bextrene thermoplastic cone; dome-shaped 26mm-diaphragm high-frequency driver. Pairs are computer-matched to \pm 0.5 dB; resonance-free cabinet; automatic protection; min power 40 W; selected veneers of black ash or walnut; FR better than 85-20,000 Hz \pm 2 dB free-field on listening axis at 2 m; imp 8 ohms; sens 85 dB SPL/W/m into 8 ohms; 8 $\frac{3}{4}$ " W x 10 $\frac{1}{2}$ " D x 16" H; 19.8 lb \$900/pr

DM1200 Speaker

Compact acoustic-suspension speaker system with 150-mm midwoofer, 26-mm tweeter. Features electronic time delay; overload protection; choice of cabinet finishes. FR 85-20,000 Hz \pm 2 dB; power range 30 W-no upper limit due to overload protection; sens 85 dB SPL/W/m; imp 8 ohms; 14" H x 10 1/2" D x 8 3/4" W; 21 lb. Walnut or black ash finish \$770/pr
Rosewood finish \$870/pr

DM330 Speaker

Acoustic-suspension floor-standing speaker with 8" woofer, 8" midrange, 1" polyamide dome tweeter. FR 48-20,000 Hz \pm 3 dB; power range 10-100 W; sens

91 dB SPL/W/m; imp 8 ohms; walnut or black ash finish; 11½" W × 33¼" H × 12½" D; 37½ lbs \$698/pr

DM220 Speaker

Three-way system employing two 8" drivers; one for lower bass; other handles upper bass and midrange frequencies; 1" dome tweeter; available in American walnut or black ash simulated veneers. Sens 90 dB/SPL/W/m; FR 53-20,000 Hz; power range 10-75 W RMS; useful bass cutoff frequency 45 Hz; distortion less than 3% 2nd harmonic, less than 0.5% 3rd harmonic; 26.75" H × 11.4" W × 12.6" D; 30.4 lbs. \$538/pr

LM-1 Leisure Monitor Speaker

Two-way mini speaker with colored nextel finishes, protection against overload; for home and car use. Switchable for 8 or 4 ohms. Available in brown, beige, charcoal, black, or red. Min power 10 W; 4" woofer, ¾" tweeter \$498/pr
LM-1/PM. Panel-mount version \$450/pr
LM-1/Mar. Marine version, protected against corrosion \$598/pr
LM-1/PM-Mar. Marine version, panel mount \$552/pr

DM110 Speaker

Two-way vented speaker employing 2 drive units; 8" woofer crossed over to 1" dome tweeter via 4th-order Butterworth squared circuit that provides frequency division at 3,000 Hz. Sens 90 dB SPL/W/m; FR 70-20,000 Hz ±3 dB; recommended power 10-75 W RMS; 19.3" H × 10.25" W × 9.8" D; 18.5 lbs \$338/pr

BOSTON ACOUSTICS

A400 Speaker

Three-way 4-driver speaker with dual 8" woofers, 6½" midrange unit in its own internal subenclosure; 1" copolymer dome CFT/1 tweeter; crossover frequency 300 Hz from woofer to midrange; oak or walnut \$900/pr

A150 Series II Speaker

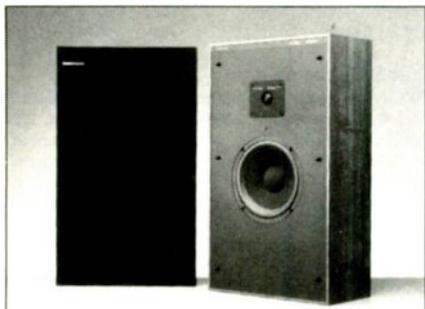
3-way speaker with 10" acoustic-suspension woofer, 1" CFT/1 dome tweeter and 3½" midrange. FR 38-25,000 ±3 dB; imp 8 ohms; crossover frequencies 650 Hz and 3,000 Hz; power handling 100 W (DIN 45 573); 32½" H × 16" W × 8¾" D. Oak or walnut veneers \$590/pr
 Wood-grain vinyl finish \$500/pr

A100 Series II Speaker

Two-way acoustic-suspension speaker with 10" low-frequency driver and 1" CFT high-frequency unit. Features self-damped copolymer dome and magnetic fluid convection cooling of CFT voice-coil structure; wood-grained vinyl-veneered cabinet; black pedestal base standard. Frequency response 38-25,000 Hz ±3 dB; crossover at 2,000 Hz; max power handling 75 watts (DIN 45573). 32½" H including base; 16" W × 8¾" D \$390/pr

A70 2-Way Speaker

Acoustic-suspension 2-way speaker with 8" woofer, 5" cone tweeter with ferrofluid. Features woodgrain-



vinyl finish with removable black cloth grille. FR 40-20,000 Hz ±3 dB; crossover 2 kHz; sens 90 dB/W/m; min power 15 W; imp 6 ohms nominal; 24" x 14" x 7 3/4" D \$280/pr

A60 Series II Speaker

Acoustic-suspension speaker. Features 8" polymer cone woofer; 1" Textile™ dome tweeter with ferrofluid. FR 55-20,000Hz ±3 dB; power range 10-60 W; sens 90 dB SPL/W/m; imp 8 ohms; wood-grain or black vinyl finish; 11½" W × 18" H × 7½" D \$220/pr

A40 Series II Speaker

Bookshelf acoustic-suspension speaker. Features 6½" polymer cone woofer; ¾" polymer dome tweeter with Ferrofluid. FR 65-20,000 Hz ±3 dB; power range 5-50 W; sens 89 dB SPL/W/m; imp 8 ohms; wood-grain or black vinyl finish; 8½" W × 13½" H × 7½" D \$160/pr

A40 Speaker

Acoustic-suspension 2-way speaker with 6½" woofer, ¾" dome tweeter with ferrofluid. Features woodgrain-vinyl finish; removable black cloth grille. FR 68-20,000 Hz ±3 dB; crossover 3.5 kHz; sens 88.5 dB SPL/W/m; min power 5 W; imp 8 ohms; 13½" H × 8½" W × 7¾" D \$150/pr

BOSE

10.2 Speaker

Floor-standing ported speaker with two 8" cone woofers and two 3" cone tweeters. Features Stereo Everywhere™ technology; Stereo Targeting™ system; automatic system protection; Syncom II computer quality control. Power range 10-180 W; sens 88 dB SPL/W/m; imp 4 ohms; genuine hardwood veneer, waxed teak; 12" W × 39¼" H × 12" D; 61 lbs \$1,199/pr

901 Series V Speaker System

Direct/reflecting® acoustic-matrix speaker with Active Equalizer and 8 rear-facing, 1 front-facing 4½" full-range drivers. Features pentagon-shaped cabinet with multi-cell injection-molded core with particle board external panels and walnut veneer finish; Active Equalizer with specifically designed fixed EQ; continuously adjustable mid-treble contour control to provide 6 dB of boost/or cut centered at 225 Hz; bass shelf control to provide 6 dB of attenuation at 40 Hz; tape monitor switch. Power range 10 W to unlimited; imp 8 ohms; dynamic range 106 dB; noise 90 dB re 1 V (A-wtd); max input 2.1 V RMS at 35 Hz; imp 47k ohms. Equalizer 13" W × 4¼" D × 2¼" H. Speaker 21" W × 13" D × 12¾" H. Sold only in stereo pairs (equalizer supplied with each pair) \$1,399/pr
Speakers only \$1,190/pr
901 Speaker Pedestals. Black \$63/pr
Bronze \$84/pr

8.2 Speaker

Floor-standing ported speaker with 10" cone woofer and two 3" cone tweeters. Features dual-chamber design; Stereo Targeting™ system; Stereo Everywhere™ technology; ducted port enclosure; automatic system protection circuit; Syncom II computerized quality control. Power range 10-120 W; sens 86 dB SPL/W/m; imp 4 ohms; teak vinyl; 16" W × 33" H × 9¼" D; 41 lbs \$949/pr

601 Series II Speaker

Two-way direct/reflecting® floor-standing speaker system with 4 3" tweeters, 2 8" long-exursion woofers. Tweeters, one woofer mounted above main enclosure in Free Space array configuration for lifelike stereo imaging. Features subport enclosure system; dual-frequency crossover; automatic tweeter protection; walnut-grain vinyl finish. Crossovers 1.5 and 2.5 kHz; imp 8 ohms; power range 20-150 W \$944/pr

501 Series IV Speaker

Direct/reflecting® 2-way acoustic-suspension floor-standing speaker system with 2 3" tweeters, mounted in Free Space™ array and 10" long-exursion woofer. Features dual frequency crossover to allow woofer and tweeter to operate simultaneously over a full octave; thermal system protection circuit; teak-grain vinyl veneer finish. Crossover 1.5 and 2.5 kHz; power range 20-125 W continuous; imp 8 ohms; 25" H × 16" W × 14" D. Sold only in stereo pairs \$684/pr

301 Series II Speaker System

Direct/reflecting® ported 2-way bookshelf speaker system with 8" woofer, two 3" tweeters in Free Space Array™. Features dual-frequency crossover to allow woofer and tweeter to operate simultaneously over nearly a full octave; tweeter protection circuit; particle board cabinet with walnut-grain vinyl veneer finish. Transition frequencies 3 kHz woofer, 1.2 kHz tweeter; power range 10/60 W/ch continuous; impedance 8 ohms; 17" W × 10½" H × 9½" D. Sold only in stereo pairs \$390/pr

201 "II Loudspeaker System

Direct/reflecting® bookshelf speaker system with Free Field™ tweeter. Features Dual Frequency crossover network; 6" woofer; 2" tweeter; automatic tweeter protection; available in rosewood vinyl veneer finish. Crossover frequencies 1.5 and 2.5 kHz; power range 5-60 W RMS; imp 8 ohms; 14½" W × 7¾" H × 9" D; 9 lb \$240/pr

RM-1 RoomMate Powered Speaker

Pair of speakers with stereo amp in one to accept output of pocket stereo through audio cable. 4½" full-range driver with helical voice coils in each speaker. Features active EQ; distortion-limiting circuitry; AC powered. Power supply 25-W transformer; enclosure of structural polypropylene composite; each speaker 6" × 9" × 6"; 10 lbs. Mounting arms optional at extra cost \$229/pr

101 Music Monitor

Indoor/outdoor ported speakers. Features high-impact polystyrene copolymer cabinet for environmental applications; 4½" full-range passive-radiator speaker with integrated electronics per enclosure; optional multi purpose mounting arms and plush style brackets available at extra cost. Power range 10-60 W; Available in black or white with white, blue, red, or green grilles; 10 lbs/pr; 9" W × 6" H × 5" D. Approx \$199-219/pr

BOZAK

CS-310B Concert Grand Contemporary Speaker

Speaker with 4 B-199B woofers, 2 B-2098 midranges, 8 tweeters in vertical column. FR 16-20,000 Hz; imp 8 ohms; power range 60-350 W; matte walnut enclosure; 52" H × 36" W × 19" D \$3,798/pr
CS-410CL. Same as CS-310B except Classic cabinet \$3,998/pr
CS-410M. Same as CS-310B except Moorish styling \$4,398/pr

Symphony No. 1 CS-4000A Modern Speaker

Infinite-baffle, 3-way floor-standing speaker with 2½" woofers, 6½" midrange, 8 2" tweeters in array. FR 25-20,000 Hz; crossovers 400 and 2.5 kHz at 6 dB/octave; imp 8 ohms; max power 250 W program; walnut enclosure; 44 ½" H × 26 ¼" W × 15 ¼" D \$2,398/pr
CS-4000 CL. Same as CS-4000A with Classic styling \$2,598/pr
CS-4000 M. Same as CS-4000A with Moorish styling \$2,798/pr
CS-4005A. Same as CS-4000A except low-boy enclosure; 27 ¾" H × 36" W × 20" D \$2,398/pr

Concerto VII CS-501A Speaker

Floor-standing 3-way speaker with 12" high-compliance woofer, 6 ½" midrange, 3 tweeters mounted in arc array for improved dispersion. FR 30-20,000 Hz; crossovers 400 and 2.5 kHz at 6 dB/octave; imp 8 ohms; max power 250 W program; walnut cabinet; 30" H × 20 1/2" W × 16" D \$1,498/pr

LS-330A Speaker

Infinite-baffle 3-way speaker with 12" woofer, 6" midrange, 1" soft-dome tweeter. FR 40-20,000 Hz; crossovers 500 and 2.5 kHz; max power 200 W continuous music; imp 8 ohms; walnut cabinet; 34 1/2" H × 15 1/2" W × 12 1/4" D \$1,038/pr
LS-250A. Similar to LS-330A except uses 4 ½" midrange driver; FR 45-20,000 Hz; crossovers 500 and 2 kHz; 23 ¼" H × 14 ¼" W × 12 ¼" D \$598/pr

CS-400 Speaker

Infinite-baffle 3-way speaker with 12" variable-density woofer, 6" aluminum midrange, 2 aluminum "Z" tweeters. FR 40-20,000 Hz; crossovers 800 and 2.5 kHz; max power 100 W continuous; imp 8 ohms; walnut cabinet; 25 1/2" H x 18" W x 13 1/4" D. \$898/pr

MB-80 Speaker

Miniature two-way high-performance acoustic-suspension speaker. Features 6" aluminum cone woofer, 1" soft-dome tweeter; failsafe tweeter protection circuit; oak veneer cabinet. FR 80-20,000 Hz; crossover 1.6 Hz; max power 250 W continuous music; imp 8 ohms; 12 1/2" H x 7 7/8" W x 7 1/8" D. \$549/pr
Satin black lacquer finish. \$549/pr

B-1002 Bard Outdoor Speaker

All-weather 2-way speaker with 8" aluminum midrange/woofer, 2" aluminum tweeter. FR 50-20,000 Hz; max power 60 W continuous music; imp 8 ohms; uses jack and plug connector; 18" dia. x 21" x 12". \$519/pr
B1000. Same as B-1002 except without tweeter. \$439/pr

Digital Music Series**DMS-5500W Speaker**

Features 12" woofer; 6" midrange; 1" tweeter. FR 30-21,000 Hz ± 3 dB; max power 250 W; dark oak wood veneer; 41" H x 12 1/2" D x 15 1/2" W. \$550

DMS-5500 Speaker

Three-way speaker features 12" woofer; 6" midrange; 1" soft dome tweeter. FR 30-21,000 Hz ± 3 dB; nominal impedance 8 ohms; sens 94 dB, 1 W, 1 meter; max power 250 W; dark oak wood veneer; 41" H x 11" D x 15 1/2" W. \$420

DMS-3500 Speaker

Three-way speaker with 8" woofer; 4" midrange; 1" soft dome tweeter. FR 35-21,000 Hz ± 3 dB; max power 150 W; genuine dark oak wood veneer; 37" H x 8 3/4" D x 10 1/2" W; 40 lbs. \$320

DMS-2500 Speaker

Two-way speaker with 8" woofer; 1" soft dome tweeter. FR 35-21,000 Hz ± 2.5 dB; max power 150 W; kumaka laminate finish; 22" H x 8 3/4" D x 10 1/2" W; 30 lbs. \$190

Miniature System Series**MB-80 Speaker**

2-way speaker with 6" aluminum woofer, and 1" soft plastic dome tweeter. FR 80-20,000 Hz ± 3 dB; imp 8 ohms nominal, 6 ohms minimum; sens 85 dB SPL/W/m; min power 35 W; max power 250 W; crossover modified 6 dB/octave at 1,600 Hz. 12 1/2" H x 7 7/8" W x 7 1/8" D; 40 lbs/pr; genuine wood veneer. \$550/pr

MBS-1 Subwoofer

Variable-Density® pulp/lamb's wool cone subwoofer with 2 voice coils. Features baffle design; vented cabinet. FR 20-85 Hz ± 3 dB; imp 8 ohms nominal; sens 88 dB SPL/W/m; min power 25 W; max power 200 W; crossover 12 dB/octave at 80 Hz. 23 1/2" H x 14 1/2" W x 12 1/4" D; 48 lbs; genuine wood veneer. \$400 ea

CABASSE by MADRIGAL**Brigantin Speaker**

Floor-standing speaker with cast frame drivers and wide dispersion at high frequencies. Features 36 cm cone woofer; 17 cm dome midrange; 5.5 cm dome tweeter; 2.5 cm dome supertweeter. FR 40-20,000 Hz ± 3 dB; power range 10-920 W; sens 94 dB SPL/W/m; imp 8 ohms; walnut finish; 144 cm W x 45 H x 47 D; 75 kg each. \$5,000/pr

Galion Speaker

Four-way floor-standing speaker with all drivers located on same vertical axis and gradually stepped from top to bottom to create optimum imaging and mini

time-domain distortion. Ten year warranty. Features 30 cm woofer; 17 cm lower mid; 2.5-cm tweeter; cast speaker frames. FR 50-20,000 Hz ± 3 dB (8 ohms) sens 94 dB SPL/W/m; power handling 110 W continuous, 775 W peaks; 100 x 36 x 34 cm; 33 kg. \$2,400/pr

Clipper Speaker

3-way speaker; all drivers located on the same vertical axis and gradually stepped from top to bottom to create optimum imaging and min time domain distortion. Features 30-cm woofer; 12-cm midrange; 5.5-cm dome tweeter; cast frame drivers. FR 55-20,000 Hz ± 3 dB; sens 94 dB/W/m; 110 W continuous power rate, 775 W peak; imp 8 ohms; hand rubbed and matched walnut veneer cabinets; 74 x 35 x 33 cm; 2.2 kg. \$1,600/pr
Sloop. Similar to Clipper except 2.5-cm dome midrange; FR 60-20,000 Hz ± 3 dB; 64 cm W x 35 H x 33 D; 26 kg. \$1,100/pr

Caravelle Speaker

Bookshelf box speaker with cast basket on drivers, precise dynamics, and wide dispersion. Features 21 cm dome woofer; 5.5 cm dome midrange; 2.5 cm dome tweeter. FR 60-20,000 Hz ± 3 dB; power range 10-850 W; sens 93 dB SPL/W/m; imp 8 ohms, walnut finish; 66 cm W x 30 cm H x 27 cm D; 18 kg/each. \$1,100/pr

Corvette Speaker

Medium sized 3-way bookshelf box speaker. Features 17 cm honeycomb dome woofer; 5.5 cm dome midrange; 2.5 cm dome tweeter. Requires active compensator for adjustment to room acoustics (\$185). FR 65-20,000 Hz ± 3 dB; power range 10-850 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut finish; 48 cm W x 25 H x 25 D; 10 kg. \$950/pr

Brigantin Speaker

Small bookshelf box speaker with exceptional dynamic range and low frequency response. Features 17 cm dome woofer; 2.5 cm dome tweeter. Requires active compensator for adjustment to room acoustics (\$185). FR 70-20,000 Hz ± 4 dB; power range 10-700 W; sens 93.5 dB SPL/W/m; imp 8 ohms; walnut finish; 29 cm W x 19.5 cm H x 19.6 cm D; 6 kg. \$750/pr

Brick Speaker II

2-way enclosed system with 21-cm woofer, 2.5-cm dome tweeter; cast speaker frames; all drivers are located on the same vertical axis gradually stepped from top to bottom to create optimum imaging and min time-domain distortion. Ten year warranty. FR 70-20,000 Hz ± 3 dB; 93.5 dB SPL/W/m; capable of withstanding 350 W peaks. Features hand-rubbed and matched walnut veneers cabinets; computerized optimization of all design parameters; 8 ohms; 64 cm x 30 x 25; 13 kg. \$700/pr

CANTON**Ergo A Speaker**

Amplified 3-way floor-standing speaker with 2 260-mm woofers, 125-mm midrange, 20-mm tweeter, separate bass, midrange, treble hybrid amps. Features signal-correction circuit; thermal overload, short-circuit protection; bass level control; switchability for left/right configuration; oak, black, gloss mahogany, or white finish; perforated steel grille. FR 20-30,000 Hz; crossovers 130 and 2,200 Hz; max amp power 100 W ch; THD/IMD < 0.05% / < 0.05%; S/N > 80 dB woofer amp, > 90 dB midrange, tweeter amps. \$3,500/pr

Ergo P Speaker

3-way floor-standing system with 25-mm titanium dome tweeter; midrange cone diaphragm 120-mm; long-throw woofer, cone diaphragm 260 mm. Enclosure surfaces black or oak veneer; grille of perforated steel plate; color to match enclosure; permafrix spring-clamps for easy connection; 5-m connecting cable; removable grille; integrated speaker stand. Nominal imp 4 ohms; nominal power handling 110/160 W; FR 20-30,000 Hz; crossovers 450, 3,100 Hz. \$2,000/pr

CT 2000 Speaker

Modified reflex floor-standing speaker with 310 mm cone woofer; 120 mm cone midrange; 25 mm dome tweeter. Features screw-plug connectors; 5-meter cable; removable grille; integrated stand. FR 8-30,000 Hz ± 6 dB; max power 300 W; imp 4 ohms; gloss mahogany, ash black, ash white, or walnut finish; 14" W x 38 3/4" H x 13 1/4" D; 100 lbs. \$2,000/pr

CT 1000 Speaker

3-way floor-standing speaker with 25 mm titanium dome tweeter; 120 mm cone midrange; long-throw 310-mm woofer. Enclosure surfaces black, white, walnut, or gloss mahogany veneer; grille of perforated steel plate; color to match enclosure; permafrix spring clamps for easy connection; 5-m connecting cable; removable grille. Nominal imp 4 ohms; nominal power handling 110/160 W; FR 20-30,000 Hz; crossovers 450 Hz, 3,100 Hz; 13.98" W x 25.98" H x 12.6" D; 21.5kg. \$1,350/pr
With optional FG200 speaker stands ... \$1,500/pr

CT-800 Speaker

3-way shelf and/or floor standing box-enclosed speaker. Features 260 mm cone woofer; 120 mm cone midrange; 25 mm dome tweeter. FR 22-30,000 Hz; minimum power 50 W; max power 150 W; sens 93.4 dB SPL with 1 W input measured at 1 m; imp 4 ohms. 13.8" W x 22.8" H x 13" D; 18.8 Kg; black/white ash, Walnut, oak finishes. \$1000/pr
Gloss mahogany finish. \$1250/pr

GL-300 F Speaker

Low-profile 2-way speaker acoustically tuned for wall mounting. Features 20-mm dome tweeter (fabric); long-throw 160-mm cone woofer cone. Enclosure surfaces black, white or walnut veneer; grille of perforated steel plate; color to match enclosure; permafrix spring clamps; 5-m connecting cable; removable grille. Nominal imp 4 ohms; nominal power handling 40/60 W; FR 48-30,000 Hz; crossover at 1,700 Hz; 12.6" W x 8.66" H x 3.15" D; 3.1 kg; \$375/pr

GL-260 Speaker

Low-profile 2-way speaker with 160 mm woofer, tweeter. Features wall-mounting suitability; white, or brown finish; perforated metal grille. 42-30,000 Hz; crossover 1,700 Hz; power range 60 W; distortion < 1%; imp 4 ohms; 10.5" H x 7.12" W x 4.75" D. \$350/pr

HC 100 Speaker

Bookshelf speaker with 110-mm cone woofer, 20-mm dome tweeter. Features Permafrix spring clamps; 5-m connecting cable; one-point mounting fixture; removable grille. FR 48-30,000 Hz; max power 60 W; imp 4 ohms; black, white, or bronze finish; 5 1/4" W x 7 1/2" H x 5 3/4" D; 5 lbs. \$250/pr

Plus S Speaker

2-way bookshelf minispeaker suitable as satellite in connection with Canton Plus B and Plus C speakers. Features 110 mm cone woofer; 20 mm dome tweeter; flush wall mount; removable grille. FR 45-30,000 Hz; minimum power 20 W; max power 80 W; sens 87.2 dB SPL/W/m; imp 4 ohms. 4.72" W x 8.07" H x 3.94" D; 2 Kg; black, white, brown finishes. \$250/pr
Walnut finish. \$350/pr

Karat Series Speakers

300. 3-way bookshelf box-enclosed speaker. Features 260 mm cone woofer; 38 mm dome midrange; 25 mm dome tweeter. FR 25-30,000 Hz; minimum power 45 W; max power 130 W; sens 90.9 dB SPL/W/m; imp 8 ohms. 12.2" W x 19.7" H x 11.4" D; 13 Kg; black, white, walnut finishes. \$800/pr
200. 3-way bookshelf box-enclosed speaker. Features 220 mm cone woofer; 28 mm dome midrange; 20 mm dome tweeter. FR 28-30,000 Hz; minimum power 30 W; max power 100 W; sens 89.9 dB SPL/W/m; imp 8 ohms. 10.4" W x 16.5" H x 9.9" D; 9.5 Kg; black, white, walnut finishes. \$650/pr
100. Compact 3-way bookshelf box-enclosed speaker. Features 200 mm cone woofer; 28 mm dome midrange; 20 mm dome tweeter. FR 36-30,000 Hz; mini-

num power 20 W; max power 80 W; sens 89.7 dB SPL/W/m; imp 8 ohms. 8.7" W x 13.4" H x 8.3" D; 6.5 Kg; black, white, walnut, pine finishes. \$500/pr

Fonum Series Speakers

90. Sealed box, bookshelf speaker. Features 230 mm cone woofer; 28 mm dome midrange; 20 mm tweeter. FR 25-30,000 Hz ± 6 dB; max power 100 W; sens 88.6 dB SPL/W/m; imp 8 ohms. 12" W x 17" H x 10" D; 20 lbs; black or bronze/brown finishes. \$499/pr

60. Sealed box bookshelf speaker. Features 210 mm cone woofer; 28 mm dome midrange; 20 mm dome tweeter. FR 28-30,000 Hz ± 6 dB; max power 80 W; sens 88.2 dB SPL/W/m; imp 8 ohms. 10" W x 15" H x 7" D; 15 lbs; black or bronze/brown finishes. \$429/PR

30. Sealed box bookshelf speaker. Features 180 mm cone woofer; 28 mm dome midrange; 20 mm dome tweeter. FR 36-30,000 Hz ± 6 dB; max power 60 W; sens 87.5 dB SPL/W/m; imp 8 ohms. 9" W x 13" H x 8" D; 13 lbs; black or bronze/brown finishes. \$349/pr

Subwoofers

Plus A Subwoofer

Self-powered super-subwoofer (bass cube) with built-in integrated power stereo amps for midrange-tweeter satellites; bass amp with 2 hybrid amps in thin film configuration as bridge circuit. Features 2 long-throw woofers (cone diaphragm 310 mm); enclosure surfaces black, white, or walnut; grille of perforated steel plate; color to match enclosure; bass level and input sens digitally selected and freely switchable on upper front panel; digital feed of input data; digital display (manual override) via LED scale; separate for subwoofer; left and right chs; 30.71" W x 22.64" H x 16.93" D; FR 16-30,000 Hz (with satellites) \$2,500/ea
Complete with Quinto 520 speakers as satellites. \$3,100

Plus B Subwoofer

Amplified subwoofer with 310-mm long-throw woofer, separate bass, midrange/treble hybrid amps. Features signal-correction circuit; thermal overload; short-circuit protection; bass level control; automatic/manual switching with time-delay relay; terminals, switching controls for up to 4 satellite speakers; walnut, black, or bronze-brown finish; removable perforated steel grille. FR 20-130 Hz; crossover 130 Hz; max amp output power 100 W each; THD and IMD < 0.05% all amps; 15 1/4" H x 15" D x 13 3/4" W \$1,100/ea

Plus C Subwoofer

Compact passive 310 mm cone subwoofer for use in connection with satellites such as Canton Plus S. FR 22-120 Hz; minimum power 35(2x) W; max power 75(2x) W; sens 89.9 dB SPL with 1 W input measured at 1 m; imp 4 ohms. 14.7" W x 13.4" H x 13.8" D; 10.5 Kg; black, white, walnut finishes. \$400/ea

CELESTION

SL600 2-Way Speaker

Acoustic-suspension speaker with 1 1/4" copper-alloy dome tweeter, VHP woofer. Honeycomb aluminum cabinet for minimal resonance \$1,250/pr
SL6. Similar to above. Features unique design for min vibration distortion. Rosewood finish. \$800/pr
American walnut cabinet \$700/pr

DL10 3-Way Speaker

Bass-reflex speaker with separate midrange enclosure. 10" woofer, 6 1/2" midrange; 1 1/4" aluminum hard-dome tweeter. American walnut finish. Crossovers at 530 and 3,800 Hz; power range 10-150 W; sens 90 dB/W 48-20,000. 29" H x 14" W x 12" D; 42.5 lbs ea \$849/pr

Ditton 250 3-Way Speaker

Acoustic-suspension 3-way speaker with ULTRA 1" dome tweeter; 5" cone midrange; 8" PVC-surround

woofer. Features flush-mounted, vertically aligned drivers; walnut cabinet; 22 1/2" H x 11 1/2" W x 9 1/2" D \$600/pr

DL8 2-Way Speaker

Sealed cabinet speaker with 8" fiber-cone woofer and 1" metal-foil (aluminum hard-dome) tweeter. American walnut finish, dark-brown cloth over front panel; gold-plated terminals; rigid cabinets. Crossover at 2,500 Hz; power range 10-150 W; sens 89 dB/W 50-20,000 Hz; imp 8 ohms. 500 mm H x 275 W x 278 D \$499/pr

Ditton 110 2-Way Speaker

Acoustic-suspension speaker with ULTRA dome tweeter, 8" long-throw PVC-surround woofer. Features vertically aligned, flush-mounted drivers; walnut vinyl cabinet; 17" H x 10" W x 8 1/4" D... \$400/pr

DL6 2-Way Speaker

Bass-reflex (rear port) speaker with 8" fiber woofer and 1" plastic-foil soft-dome tweeter. American walnut finish, dark-brown cloth over front panel; gold-plated terminals; rigid cabinets. Crossover at 2,500 Hz; power range 10-100 W; sens 89 dB/W 60-20,000 Hz; imp 8 ohms. 454 mm H x 245 W x 262 D \$399/pr

DL4 2-Way Speaker

Bass-reflex (rear port) speaker with 6 1/2" fiber woofer and 1" plastic-foil soft-dome tweeter. American walnut finish, dark-brown cloth over front panel; gold-plated terminals; rigid cabinets. Crossover at 2,500 Hz; power range 10-75 W; sens 89 dB/W 70-20,000 Hz; imp 8 ohms. 384 mm H x 208 W x 227 D \$299/pr

Ditton 100 Speaker

Compact 2-way speaker with 6 1/2" PVC surround woofer; 1" ULTRA tweeter. Features vertically aligned flush-mounted drivers; walnut grain vinyl finish; black grille cloth; FR 78-20,000 Hz; crossover 2,300 Hz; power range 10-40 W; sen 87 dB SPL/W/m; imp 8 ohms; 13" H x 8 1/4" W x 7 1/4" D; 9.75 lb \$260/pr

CERWIN-VEGA

Digital Series Speaker Systems

D-9 Speaker System

Three-way, four-driver, floor-standing speaker with 15" woofer, dual 6" midrange and 1" tweeter. Features Helmholtz/Thiele enclosure fabricated from high-density pressed board with woodgrain vinyl finish and acoustically transparent brown stretch grille. FR 29-20,000 Hz; power range 5-350 W; sens 101 dB; imp 4 ohms; crossover frequencies 500 and 3,500 Hz; 35 1/2" x 18" x 17 1/4"; 85 lbs \$950/pr

D-7 Speaker System

3-way tower speaker with 12" woofer, dual 6" cone distributed midrange driver in large chamber, 1" horn tweeter. Features circuit protection; midrange, tweeter level controls; FR 25-20,000 Hz ± 3 dB; crossovers 500 and 3.5 kHz; sens 98 dB SPL/W/m; max power 200 W; imp 8 ohms \$790/pr

D-5 Speaker System

Floor/shelf 3-way speaker with 12" woofer, 6" cone midrange, 1" horn tweeter. Features circuit protection; tweeter level controls; FR 32-20,000 Hz ± 3 dB; crossovers 700 and 3.5 kHz; sens 96 dB SPL/W/m; max power 150 W; imp 8 ohms \$630/pr

D-3 Speaker System

3-way shelf-speaker with 10" woofer, 6" cone midrange, 1" horn tweeter. Features circuit protection; midrange, tweeter level controls; FR 30-20,000 Hz ± 3 dB; crossovers 700 and 3.5 kHz; sens 94 dB SPL/W/m; imp 8 ohms; finished in hickory woodgrain vinyl w/brown stretch cloth grille \$530/pr

D-2 Speaker System

2-way speaker system with 10" woofer in a cast aluminum frame and 1" voice coil horn. Features high-frequency protection circuit breaker; direct-radiating

vented enclosure; hickory woodgrain vinyl finish with brown stretch cloth grille. FR 30-20,000 Hz; power handling min/max 5/125 W; sens 94 dB; nominal imp 8 ohms; crossover frequency 3,000 Hz; 24 1/2" x 14" x 10"; 38 lbs \$410/pr

D-1 Speaker System

2-way system with an 8" woofer and 1" voice-coil high frequency horn. Features resettable high-frequency protection circuit breaker; vented cabinet; hickory woodgrain vinyl with cloth grille. FR 30-20,000 Hz; power min/max 5/100 W; sens 92 dB W/m; B ohms imp; crossover frequency 3,000 Hz \$310/pr

2000 Speaker Series

2000-15 Speaker

Three-way floor-standing speaker with 15" cone woofer, six 6" cone midrange drivers, 1" dome tweeter. Features dual acoustical transformer in vertical array, enclosed in vented direct-radiating monolithic cabinet; level controls for midrange and high frequency; integral base for floor placement. FR 29-20,000 Hz ± 2.5 dB; power range 5-350 W; sens 100 dB SPL/W/m; imp 4 ohms; hand-rubbed walnut finish; 24" W x 50" H x 9 1/2" D; 111 lbs \$1,400/pr

2000-12 Speaker

Floor-standing speaker with 12" woofer, four 6" cone midrange drivers in vertical graduated array, 1" dome tweeter with a dual acoustical transformer enclosed in vented direct-radiating monolithic cabinet. Also includes wide symmetrical radiation pattern; "Digital Ready" design; integral base for floor placement. FR 25-20,000 Hz ± 2.5 dB; power range 5-200 W; sens 98 dB SPL/W/m; imp 8 ohms; hand-rubbed walnut finish; 17" W x 47" H x 9 1/2" D; 78 lbs \$1,100/pr

2000-10 Speaker

Floor-standing speaker with 10" cone woofer, two 6" cone midrange drivers in symmetrical vertical array, 1" dome tweeter with dual acoustical transformer in vented, direct radiating monolith. FR 29-20,000 Hz ± 2.5 dB; power range 5-125 W; sens 94 dB SPL/W/m; imp 8 ohms; hand-rubbed walnut finish; 15 1/2" W x 34" H x 8 1/2" D; 50 lbs \$800/pr

CHAPMAN SOUND

T7 3-Way Speaker

Air-suspension floor-standing speaker available bi-wired and bi-ampable. 10" poly laminate cone woofer, 5" poly laminate cone midrange, 1" dome tweeter. FR 30-20,000 Hz ± 3 dB; min power 50 W RMS; max power 200 W continuous, 500 W peak; sens 86 dB SPL/W/m; imp 4 ohms; oak-walnut finish with black grille; 13 1/2" W x 38 1/2" H x 10 1/2" D; 75 lbs \$1,360/pr

T4 2-Way Speaker

Air-suspension bookshelf box speaker available bi-wired and bi-ampable. Features 8" poly laminate cone woofer; 1" dome tweeter. FR 40-20,000 Hz ± 3 dB; power range 25-100 W; sens 88 dB SPL/W/m; imp 4 ohms; oak with black grille \$760/pr

DAHLQUIST

DQ-20 Speaker

Vertical-phased-array speaker intended for floor placement. Oak with white/black grille \$1,800/pr

DQ-10 Speaker

Phased-array speaker. Features low-diffraction time-delay treble-slope control; solid walnut or oak trim black or white grille cloth; in mirror-image pairs. FR 37-27,000 Hz; crossovers 400, 1k, 6k, 12.5 power range 60-200 W; imp 8 ohms \$1,200/pr
ST-10 stand \$80/pr

DQ-1 W Subwoofer

Subwoofer with 13" driver in heavy cast frame for bi-amplified systems. Features walnut or oak finish with black or white grille cloth; 28" H x 18" W x 14" D \$395

Dynamic Tracking Studio Monitors**DQM-9 Speaker System**

Dual rear-firing tuned-port speaker system features rigid diecast zinc chassis drivers on anti-diffraction baffle in "unbox" enclosure; 11" woofer and 5" cone midrange feature flat-wound ribbon wire voice coils; tweeter is 1" dome. FR 28-22,000 Hz; power range 25-200 W; sens 95 dB at 1 kHz; crossovers 450 and 3.5 kHz; imp 8 ohms; 14.5" W x 25" H x 13 1/4" D; 65 lbs; suede gray Nextel vibration damping and oak or walnut sides with black lacquer top finishes \$1,200/pr

DQM-9 Compact Speaker System

Dual rear-firing tuned-port speaker features rigid diecast zinc chassis drivers on anti-diffraction baffle in "unbox" enclosure; 9" woofer and 5" cone midrange feature flat-wound ribbon wire voice coils; 1" dome tweeter; FR 35-22,000 Hz; power range 25-140 W; sens 92 dB at 1,000 Hz; crossovers 450 and 3.5 kHz; imp 8 ohms; 22 1/2" H x 14 3/8" W x 11 1/4" D; 55 lbs; suede gray Nextel vibration damping finish \$980/pr
Oak or walnut sides with black lacquer top \$1,200/pr

DQM-7 Compact Speaker System

Dual rear-firing tuned-port speaker. Features rigid die-cast zinc chassis drivers on anti-diffraction baffle in "unbox" enclosure; 9" woofer; features flat-wound ribbon wire voice coil; tweeter is 1" dome; FR 37-22,000 Hz; power range 25-120 W; sens 92 dB at 1,000 Hz; crossover 3 kHz; imp 8 ohms; 21 1/4" H x 13 3/8" W x 11 1/4" D; 50 lbs; suede gray Nextel vibration damping finish \$730/pr
Simulated walnut grain \$650/pr

DQM-5 Speaker System

Dual rear-firing tuned-port speaker in "unbox" enclosure with drivers mounted on anti-diffraction baffle.

Features 9" woofer; flat-wound ribbon wire voice coil; 1" dome tweeter; FR 37-22,000 Hz; power range 25-100 W; sens 90 dB at 1 kHz; crossover 3 kHz; imp 8 ohms; 21 1/4" H x 13 3/8" W x 11 1/4" D; 46 lbs; suede gray Nextel vibration-damping finish \$600/pr
Simulated walnut grain \$520/pr

DQM-3 Speaker System

Acoustic-suspension speaker in "unbox" enclosure with drivers mounted on anti-diffraction baffle. 8" woofer features flat wound ribbon wire voice coil; 1" dome tweeter; FR 50-20,000 Hz; power range 25-120 W; sens 90 dB at 1 kHz; crossover 2 kHz; imp 8 ohms; 17 1/8" H x 11 1/4" W x 10 3/4" D; 35 lbs; suede gray Nextel vibration-damping finish \$450/pr
Simulated walnut grain \$400/pr

ST-9 Speaker Stand

Floor stand for DQM series speakers; provides rigid mounting, 3.5" upward tilt; matte black finish; capacity: 100 lbs. 11 1/4" W x 14" H x 12" D; 7 1/2 lbs; oak or walnut veneer and matte black finishes... \$80/pr

DALI**HE 1288 Speaker**

Floor-standing bass-reflex speaker. Features high density pressed board enclosure; acoustically transparent black cloth grille; 12" cone woofer; 8" cone midrange; horn tweeter. FR 30-20,000 Hz ± 3 dB; power range 5-400 W; sens 101 dB SPL/W/m; imp 4 ohms; black vinyl with real walnut wood baffle board finish; 17 3/4" W x 40" H x 17 1/4" D; 92 lbs \$596/pr

Dali 8 Speaker

Floor-standing bass-reflex speaker. Features high-density pressed board enclosure; extensively braced; acoustically transparent black cloth grille. Speaker houses two 8" cone woofers; 4 1/2" cone midrange; 1 1/4" dome tweeter; 3/4" dome supertweeter. FR 33-

23,000 Hz ± 3 dB; power range 10-350 W; sens 92 dB SPL/W/m; imp 8 ohms; genuine walnut veneer finish; 11 1/4" W x 38" H x 16" D; 63 lbs... \$596/pr

HE 1266 Speaker

Bass-reflex speaker. Features real walnut wood front baffle board; acoustically transparent black cloth grille. Speaker houses 12" cone woofer; 8" cone midrange; horn tweeter. FR 35-20,000 Hz ± 3 dB; power range 5-300 W; sens 100 dB SPL/W/m; imp 4 ohms; available in black vinyl with real wood walnut front baffle board; 13 3/4" W x 37" H x 16" D; 63 lbs \$459/pr

Dali 6 Speaker

Floor-standing acoustic-suspension speaker. Features 3rd order acoustical Butterworth crossover; high density (1/2") pressed board enclosure; acoustically transparent black cloth floating grille. Speaker houses 10" cone woofer; 8" cone midrange; 1 1/4" dome tweeter. FR 40-20,000 Hz ± 3 dB; power range 10-200 W; sens 91 dB SPL/W/m; imp 6 ohms; walnut veneer finish; 37" W x 11" H x 12 1/2" D; 48 lbs... \$396/pr

HE 1255 Speaker

Floor-standing bass-reflex speaker. Features high density pressed board enclosure; acoustically transparent black cloth grille; 12" cone woofer; 5" cone midrange; horn tweeter. FR 40-20,000 Hz ± 3 dB; power range 5-200 W; sens 98 dB SPL/W/m; imp 8 ohms; black vinyl with real wood walnut front baffle finish; 12" W x 27 1/2" H x 12" D; 44 lbs \$359/pr

Dali 4 Speaker

Floor-standing acoustic-suspension speaker. Features 3rd order Butterworth crossover; high-density pressed board enclosure; acoustically transparent black cloth grille. Speaker houses two 8" cone woofers; 1" dome tweeter. FR 55-20,000 Hz ± 3 dB; power range 5-140 W; sens 93 dB SPL/W/m; imp 4 ohms; walnut veneer finish; 30" W x 12" H x 9 1/2" D; 31 lbs \$230/pr

Dali 3 Speaker

Bookshelf acoustic-suspension speaker with 3rd order acoustical Butterworth crossover. Features enclosure sides 1/2"; front and rear baffle 3/8"; acoustically transparent black cloth grille. Speaker houses 8" cone woofer; 1" dome tweeter. FR 55-20,000 Hz ± 3 dB; power range 5-80 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 17 1/2" W x 11" H x 9 1/2" D; 19 lbs \$160/pr

Dali 2 Speaker

Bookshelf acoustic-suspension speaker with 3rd order acoustical Butterworth crossover. Features high density pressed board enclosure; acoustically transparent black cloth grille. Speaker houses 6 1/2" cone woofer; 1" dome tweeter. FR 60-20,000 Hz ± 3 dB; power range 10-60 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 14" W x 9" H x 9 1/2" D; 14 lbs \$125/pr

DAYTON-WRIGHT**XG-10 System C Electrostatic Speakers**

Five-piece speaker system comprised of two 10-cell electrostatic panels with modified horn-loaded EMT tweeters mounted just above panel center, one XIM-11 interface module with cables, two XW-10m subwoofers (each with 2 long-throw 10" drivers). Crossovers at 38 and 4,000 Hz. Tweeter level and bias adjustments on interface. Main panels 40" W x 42" H x 9 1/2" D; rack-mount Interface 19" W x 10 1/2" H x 10" D; subwoofers 22" W x 17" H x 23" D. Parchment, black, or natural (brown) grilles. Oak, walnut, or rosewood cabinet.

In Western and Southern states \$6,149
In Northeastern states \$5,970

XG-10 System H Electrostatic Speakers

Speaker system comprised of two 10-cell electrostatic panels with EMT tweeters mounted top center, one XIM-11 interface module with cable, two XW-5M subwoofers (each with long-throw 10" driver). Crossovers at 38 and 4,000 Hz. Tweeter level and bias ad-

WHY LISTEN TO US? DON'T TAKE OUR WORD FOR IT.

DALI

Instead we offer a few words from these audio enthusiasts who confirm our belief that DALI loudspeakers provide excellent performance at very reasonable prices. Listen to what they have to say, then listen to DALI loudspeakers.

"This is my fifth set of speakers and they are by far the best sounding as well as outplaying most others in the stores."

— Henry S. Cooper, Thornhill, Ontario, Canada

"These DALI 4 speakers are excellent and amazing for the price you charge."

— R.C. Shoup, Winter Park, Florida

"Very impressive sound and finish, good sales technique."

— Juan Samartin, So. Pasadena, California

"Excellent speakers, the best that I've ever heard. Keep up the good work."

— M.Y. Mansor, State University, Arkansas

"I ordered primarily because of the test report in HIGH FIDELITY Magazine, June 1985. On second day of use, I'm very pleased and impressed."

— William R. Thurman, Athens, Georgia

"The speakers sold themselves on sound performance and musicality, and the finish of the cabinets is superior as advertised."

— Russel Herval, Thatcher, Arizona

"It is great to find such clean, accurate and well-built speakers at a reasonable price."

— Rich Schultz, Santa Barbara, California

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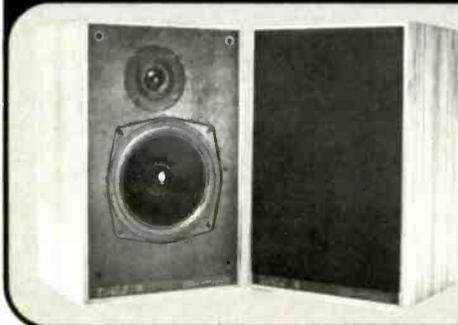
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adjustments on interface. Main panels 40" W x 42" H x 9 1/2" D; rack-mount interface 19" W x 10 1/2" H x 10" D; subwoofers 13" W x 19" H x 14" D. Parchment, natural (brown), or black grille cloths, rosewood, walnut, or oak wood.

In Western and Southern states \$4,949
In Northeastern states \$4,800

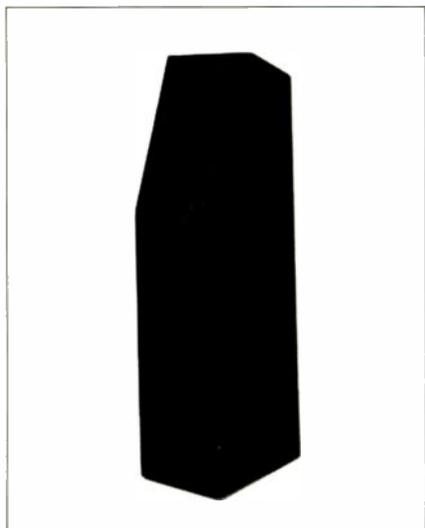
ICBM-1 Subwoofers

Subwoofer using Inert-Gas-Suspension System and two 10" long-throw drivers. With asymmetric high-pass/low-pass crossover at 90 Hz, full-length or short grille (latter allows LCM-1, below, to be mounted on front). Black grille cloth and finish. 48" H x 11" W x 26" D.

In Western and Southern states \$1,249
In Northeastern states \$1,199

XAM-4 Four-Way Speaker

Inert-Gas-Suspension speaker designed for very low periodicity, controlled dispersion, wide stereo staging, sharp fusion, and phase compensation. 10" long-throw subwoofer, 6 1/2" woofer/midrange, 1" dome tweeter, 3/8" torus/dome supertweeter. 6 1/2" ambi-



ence speaker on top rear. Crossovers at 100, 4,300, 11,000 Hz, asymmetric phase adjusted. Tweeter level control; glides/rug-piercing points; black grille cloth and finish. FR 20-22,000 Hz ± 3 dB. 48" H x 11" W x 16" D.

In Western and Southern states \$1,249
In Northeastern states \$1,199

SM-2 Three-Way Speaker

Inert-Gas-Suspension speaker designed for low periodicity and phase compensation. Long-throw 7" woofer, 1" dome tweeter with level control, 3/8" torus/dome supertweeter. Asymmetric crossover network with crossovers at 4,300 and 11,000 Hz. 4-ohm minimum imp. Black grille cloth and finish. 20" H x 11" W x 14" D at bottom (7" D at top).

In Western and Southern states \$799
In Northeastern states \$749

LCM-1 Two-Way Speaker

Inert-Gas-Suspension speaker designed for low periodicity and phase compensation. 7" woofer, 1" tweeter, asymmetric network, black grille cloth and finish. FR 40-18,000 imp. ± 3 dB; min imp 4 ohms. 20" H x 11" W x 14" D at bottom (7" D at top).

In Western and Southern states \$549
In Northeastern states \$499

dB PLUS by API

dB Plus 500 Speaker

3-way ported speaker with a 10" polypropylene woofer, 4 1/2" polypropylene midrange, and a 1" polypropylene dome tweeter. FR 35-22,000 Hz ± 3 dB; min power 15 W; max power 200 W; sens 91 dB SPL/W/M; imp 6 ohms. 26 1/2" x 15" H 10 1/4"; 43 lbs/ea; tanglewood walnut finish \$569/pr

dB Plus 100 MKII Speaker

Ported speaker with 10" polypropylene woofer and 1" polypropylene dome tweeter. Features self-resetting circuit breaker for protection from amp malfunctions. FR 40 22,000 Hz ± 3 dB; min power 15 W; max power 150 W; sens 91 dB SPL/W/M; imp 6 ohms. 24 1/2" x 14" x 10 1/4"; 37 lbs. ea; tanglewood walnut finish \$450/pr

dB Plus 50 MKII Speaker

Ported speaker with 8" polypropylene woofer and 1" polypropylene dome tweeter. FR 45-22,000 Hz ± 3 dB; min power 15 W; max power 100 W; sens 90 dB SPL/W/M; imp 6 ohms \$339/pr

dB Plus 25B Speaker

Passive electronic speaker with optional mounting brackets available for car use. Features 5 1/4" die chassis woofer; 1 1/4" flared dome tweeter. FR 50-20,000 Hz ± 3 dB; min power 10 W; max power 75 W; sens 87 dB SPL/W/M; imp 4 ohms. 11 1/8" H x 7" W x 7 3/8" D; 10 lbs. ea; ebony rendura finish \$179/pr

dbx

dbx Soundfield One Speaker System

Two floor-standing enclosures, each with four 10" woofers, four 4" midranges, and six 1/2" dome tweeters. Phased-array design produces both measurably flat power response (20-20,000 Hz) and stable and consistent image anywhere in listening area (no preferred listening location). Computer-designed crossover individually tailors amplitude and phase of each driver to produce psychoacoustically optimized radiation pattern and constant imp (4-1/2 ohms ± 1 -1/2 ohms 20-20,000 Hz). System includes processor to go in preamp/receiver tape-monitor loop. Processor equalizes speaker FR and also features power amp monitor/speaker protector; rumble suppressor; adjustable HF/LF EQ and high pass/low pass filters for ends of audio band; auto ch balancing for out-of-balance program material; ambience control; bypass (for headphone listening); and replacement tape monitor; Sens 90 dB SPL 2.83 V/1 m, average room; power range 30-400 W/ch; system will produce 110 dB SPL in 3,000 cu.-ft. room; walnut or oak veneer with dark brown grilles \$2,600/system

Soundfield Ten Speaker

Floor-standing sealed box speakers with two 10" cone woofers, two 4" cone midranges, four 1/2" dome tweeters. Features outboard processor with adjustable low-frequency/high-frequency EQ; EQ for against-wall and out-from-wall placement; bypass



switch for headphone listening; replacement tape monitor; phased array produces measurably flat power response from 30-20,000 Hz. FR 30-20,000 Hz ± 3 dB; min power 40 W; max power 300 W; nominal imp 90 dB SPL/W/m. 14 1/2" W x 34" H x 14 1/2" D; 50 lbs; available in oak/walnut finishes . \$1,250/pr

DCM

Time Window Three Speaker

Floor-standing 3-way speaker features time-coherent point source for more accurate off-axis sound repro-

duction; separately adjustable high and middle frequency energy output in ambient sound field. Sens 90 dB/2.8 V/m; power range 20-200 W; imp 4-8 ohms; 39" H x 16 1/8" W x 12 3/8" D \$1,399/pr

Time Window 1A Speaker

Improved version of original floor-standing Time Window speaker with wide-angle sound distribution, pinpoint imaging and high power handling capability. FR 30-20,000 Hz; sens 91 dB/W/m; power range 10-200 W; imp 6-8 ohms; 36" H x 15" W x 11 1/4" D \$879/pr

QED 1A Speaker

Improved version of original QED 2-way floor-standing speaker. Features new 3/4" dome tweeter with acoustic lens and new 8" woofer. FR 32-20,000 Hz; sens 90 dB 2.8 V/m; imp 6-8 ohms; power range 10-200 W; 36" H x 11 1/4" W x 9 1/4" D \$659/pr

Time Window 3 Speaker

Folded transmission-line 3-way speaker intended for floor placement. Features time-coherent point source for more accurate off-axis sound reproduction. Adjustable high and middle frequency energy output, narrow to wide image spatial control; also utilizes acoustic anti-diffraction lenses. 8" cone woofer; 6 1/2" cone midrange; 2 3/4" soft plastic dome tweeters. FR 24-20 000 Hz; min power 10 W, max power 200 W; sens 90 dB; imp 8 ohms; available in dark oak with dark brown fabric \$1,397/pr

Time Window 1A Speaker

Hybrid transmission-line speaker intended for floor placement. Improved version of original Time Window with wide-angle sound distribution, pinpoint imaging properties and high power-handling capability. Features cylindrical back and triangular prism front. Optimized for min time-dispersion error. Contains two 6 1/2" cone woofers with acoustic lens; 2 3/4" soft plastic dome tweeter with acoustic lens. FR 30-20,000 Hz; min power 10 W, max power 200 W; sens 91 dB; imp 8 ohms; available in dark oak with dark brown fabric; 32 lbs; 15" W x 36" H x 11 1/4" D . \$877/pr

QED 1A Speaker

Hybrid transmission line speaker intended for floor placement. Improved version of original QED speaker. Features new 3/4" soft plastic dome tweeter with acoustic lens and new 8" low frequency driver. Time-coherent design featuring electronic correction circuitry replacing usual crossover network. 8" cone woofer; 1 3/4" soft plastic dome tweeter with acoustic lens. FR 32-20,000 Hz; min power 10 W, max power 200 W; sens 90 dB; imp 8 ohms; available in dark oak with dark brown fabric \$657/pr

Time Frame TF500 Speaker

Mirror-imaged floor-standing loudspeaker. Features 6 1/2" cone woofer; 3/4" soft plastic dome tweeter with acoustic lens; FR 38-20,000 Hz; power range 10-100 W; sens 90 dB SPL/W/m; imp 8 ohms; dark oak finish with dark brown fabric grille \$499/pr

ImageMaster Speaker

Folded transmission-line 3-way bookshelf system features high 93 dB/2.8V/m sens along with accurately equalized time domain (impulse) response and high power-handling capability; electronically phased radiation pattern improves stereo image stability. Power range 5-100 W; imp 8 ohms; 23 3/4" H x 12 1/4" W x 13 1/4" D; walnut vinyl cabinet \$499/pr

Macrophone Speaker

Unique-shaped 2-way bookshelf speaker that makes efficient use of shelf space; mirror-image pairs. 6 1/2" cone woofer, 3/4" soft plastic dome tweeter with acoustic lens. FR 40-18,000; resonance 30 Hz; sens 89 dB/2.8 V/m; power range 10-100 W; imp 8 ohms; walnut vinyl cabinet \$399/pr

DENNESEN ELECTROSTATICS

DEI Monitor System

Speaker with ported woofer, curved baffle midrange. Designed for floor placement (includes stands); elec-

trostatic hybrid system for minimal edge refractions and reflections. Features electrostatic tweeter system, phase corrected and time aligned. Contains 10" bextrene cone woofer; 5" midrange; three 3" electrostatic element tweeters. Includes separate electronic crossover for biamp. FR 30-25,000 Hz ± 3 dB; min power 50 W, max power 250 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut finish; 50 lbs; 11 $\frac{1}{2}$ " W \times 41 $\frac{1}{2}$ " H \times 14" D..... \$2,850

DESIGN ACOUSTICS

PS-30 Three-Piece Speaker System

Consists of 2 PS-5 satellites, PS-LF bass module. Satellites are low-diffraction design with 5" midwoofer,



1" soft-dome tweeter. Bass module has 12" dual voice coil, long-throw woofer; power satellites/subwoofer 35/250 W; imp 8 ohms..... \$695/set

PS-LF Bass Module

Down-firing dual voice coil, long-throw 12" woofer with twin crossover networks at 18 dB/octave, 140 Hz. Features input for use with PS-5 satellites (below); biamp inputs for use with other satellites. Response to below 40 Hz; walnut veneer cabinet; brown cloth grille; power range 15-250 W; 21" H \times 16" W \times 16" D..... \$350/pr

PS-5 Speaker

Acoustic-suspension 2-way miniature bookshelf speaker with 5" woofer, 1" dome tweeter. Features midrange, tweeter level controls; walnut veneer cabinet; brown cloth grille. FR 80-16,000 Hz ± 1.5 dB; crossover 2.5 kHz; sens 85 dB SPL/W/m; power range 15-50 W; imp 4 ohms; 11 $\frac{1}{4}$ " H \times 7 $\frac{3}{4}$ " W \times 5 $\frac{1}{2}$ " D..... \$350/pr

Point Source Series

PS-10. Acoustic-suspension 3-way speaker with down-firing 10" long-throw woofer, 5" midwoofer, 1" soft-dome tweeter. Features tweeter level control; mirror-image driver placement; acoustically treated baffle; walnut-vinyl finish; brown cloth grille. FR 48-20,000 Hz; crossovers 190 and 2,000 Hz; sens 90 dB SPL/W/m; power range 15-200 W; imp 8 ohms; 14" H \times 13 $\frac{1}{2}$ " D \times 11" W..... \$500/pr

PS-6. Two-way design with 6" woofer, $\frac{3}{4}$ " soft-dome tweeter; FR 50-20,000 Hz; sens 88 dB SPL/W/m; power range 15-100 W; 11 $\frac{1}{2}$ " D \times 12" H \times 8 $\frac{3}{8}$ " W; 12 lbs..... \$240/pr

PS-8A. Bookshelf acoustic-suspension speaker. Features 8" down-firing, long-throw woofer; 4" cone midwoofer; $\frac{3}{4}$ " soft-dome tweeter; tweeter level control; mirror-image driver placement; acoustically-treated baffle; crossover at 200 and 2,000 Hz. FR 50-20,000 Hz; power range 15-175 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut-vinyl finish; 9" W \times 11" H \times 13 $\frac{3}{4}$ " D..... \$360/pr

PS-6V. Bookshelf acoustic-suspension speaker. Features 6 $\frac{1}{2}$ " long-throw woofer; $\frac{3}{4}$ " soft-dome tweeter; mirror-image driver placement; acoustically-treated

baffle; shielded magnets for use with video monitors. FR 50-20,000 Hz; power range 10-100 W; sens 88 dB SPL/W/m; imp 8 ohms; black gray grille; 8" W \times 12" H \times 11 $\frac{1}{2}$ " D..... 260/pr

DESKTOP LOUDSPEAKER SYSTEMS

DLS-2 Intimate Speaker System

Four-piece speaker system with satellites carved from solid wood. Two DM-1 satellites house 3 $\frac{1}{4}$ " cone woofer, $\frac{7}{8}$ " dome tweeter; two BMW-2 subwoofers house 6 $\frac{1}{2}$ " cone driver and two 6 $\frac{1}{2}$ " passive radiators. FR 39-19,000 Hz ± 3 dB; power range 20-250 W; sens 87 dB SPL/W/m; imp 4.6 ohms; black or walnut finish; satellites 7 $\frac{1}{2}$ " W \times 4 $\frac{1}{2}$ " H \times 3 $\frac{1}{2}$ " D; subwoofers 12 $\frac{1}{2}$ " W \times 10" H \times 8.5" D; 38 lbs..... \$849/system

DLS-1A Intimate Speaker System

Three-piece speaker system with enclosures made of solid wood blocks carved out for crossover and drivers. Two full-range DM-1 satellites with 3 $\frac{1}{4}$ " cone woofer, $\frac{7}{8}$ " dome tweeter; one small BMW-1 subwoofer with 6 $\frac{1}{2}$ " cone driver. FR 54-18,000 Hz ± 3 dB; power range 20-325 W; sens 86 dB SPL/W/m; imp 4.6 ohms; walnut, golden oak, or teak; satellites 7 $\frac{1}{2}$ " W \times 4 $\frac{1}{2}$ " H \times 3 $\frac{1}{2}$ " D; subwoofer 16" W \times 5 $\frac{1}{2}$ " H \times 8" D; system weight 28 lbs..... \$550/system

BMW-2 Intimate Speaker System

Floor-standing subwoofer with 6 $\frac{1}{2}$ " cone subwoofer, two 8" passive radiators. FR 39-175 Hz ± 3 dB; power range 20-150 W; sens 86 dB SPL/W/m; imp 5 ohms; black finish; 9" W \times 9" H \times 9" D; 10 lbs..... \$500/pr

DM-1 Intimate Speaker System

Bookshelf speaker with solid enclosure carved out to house parts. 3 $\frac{1}{4}$ " cone woofer, $\frac{7}{8}$ " dome tweeter. FR 175-18,000 Hz ± 3 dB; power range 20-125 W; sens 85 dB SPL/W/m; imp 8 ohms; walnut, golden oak, or black; 7 $\frac{1}{2}$ " W \times 4 $\frac{1}{2}$ " H \times 3 $\frac{1}{2}$ " D; 4 $\frac{1}{2}$ lbs..... \$300/pr

S-1 Speaker Stand

For use with wide-screen TV, stereo TV or audio system. Features established proper phase alignment; flat black finish; invisible wiring track. 8" W \times 17" H \times 8" D; 2.2 lbs..... \$60/pr

DIGITAL V by RTR

Digital V speakers feature auto-reset circuit-breaker protection and drivers with special high-temp heat-resistant wire wound on aluminum bobbins. Cabinets are finished in walnut-grain vinyl.

Model 500 Speaker

4-way speaker with computer-optimized vented enclosure, 15" woofer with nylon-laminate composition cone, 2-5" high definition midranges with specially treated cones; 2" \times 6" solid-state tweeter; 2" \times 5" solid-state supertweeter. 5-150 W RMS; FR 20-32,000 Hz; crossover frequencies 500 Hz, 5,000 Hz, 10,000 Hz; 8 ohms imp; 97 dB sens SPL/W/m; 18 $\frac{1}{2}$ " W \times 37 $\frac{1}{4}$ " H \times 11" D; 62 lbs..... \$600

Model 400 Speaker

3-way speaker with computer-optimized acoustic suspension column enclosure; 10" woofer with nylon laminate composition cone; 4" midrange, 2 $\frac{1}{2}$ " solid-state tweeters/supertweeters. FR 24-30,000 Hz; 5-100 W RMS; crossover frequencies 2,000 Hz, 7,500 Hz; 4 ohms imp; 96.5 dB sens SPL/W/m; 15" W \times 40" H \times 11" D; 54 lbs..... \$460

Model 300 Speaker

4-way speaker computer-optimized acoustic suspension enclosure, 12" woofer with nylon-laminate composition cone, 2-4" midrange; 3" extended-range tweeter; 2 $\frac{1}{2}$ " solid-state supertweeter. FR 30-30,000 Hz; 10-90W RMS; 7,500 Hz, 10,000 Hz crossover frequencies; 8 ohms imp; 95 dB sens SPL/W/m; 14 $\frac{1}{4}$ " W \times 30" H \times 11" D; 44 lbs \$400

Model 200 Speaker

3-way speaker with computer-optimized acoustic-suspension enclosure, 10" woofer with nylon-laminate composition cone, 4" high-definition midrange, two 3" extended-range tweeter. FR 32-20,000 Hz; 10-75 W RMS; 2000 Hz and 10,000 Hz crossover frequencies; 8 ohms imp; 94.5 dB sens SPL/W/m; 39 lbs; 14 $\frac{1}{4}$ " W \times 25 $\frac{1}{2}$ " H \times 11" D..... \$260

Model 100 Speaker

3-way speaker computer-optimized acoustic enclosure, 8" woofer with nylon-laminate composition cone; 4" high definition midrange; 2-3" extended-range tweeter. FR 36-20,000 Hz; 10-60 W RMS; 2,500 Hz, 10,000 Hz crossover frequencies; 8 ohms imp; 94 dB sens SPL/W/m; 270 lbs..... \$200

DLK ACOUSTICAL PRODUCTS

New DLK 1 $\frac{1}{2}$ Speaker

Acoustic-suspension bookshelf or floor speaker. Features dual woofers for better transient response and more bass power with variable tweeter for matching to any room with heavy-duty components for high power handling; liquid-cooled tweeter. Contains two 8" direct-radiator cone woofers; 1" soft-dome direct-radiator tweeter. FR 40-20,000 Hz ± 4 dB; min power 5 W, max power 80 W; sens 90 dB SPL/W/m; imp 4 ohms; oiled walnut veneer finish; 39 lbs; 14.5" W \times 24.5" H \times 12.25" D..... \$640/pr

New DLK 1 Speaker

Vented bookshelf or floor speaker. Compact full-range two-way speaker features passive radiator for deeper bass matched to an extra-heavy-duty polypropylene woofer and liquid-cooled tweeter for smooth, wideband response and low distortion. Variable tweeter level control. Contains 8" direct-radiator cone passive radiator; 6.5" direct-radiator cone woofer; 2" direct-radiator cone tweeter. FR 55-20,000 Hz ± 4 dB; minimum power 5 watts, maximum power 65 watts; sensitivity 91 dB SPL with 1 watt input measured at 1 meter; impedance 8 ohms; oiled walnut veneer finish; 27 lbs; 10.5" W \times 18" H \times 9" D..... \$260/pr

DOMUS

Digital Technology Series: THREE

Vented floor-standing monitor-quality speaker features wide-dispersion horn tweeter, dome midrange, and polypropylene cone woofer. Features adjustable tweeter with 3 tweeter amp/shape selections. Contains 12" direct-radiator cone woofer; 2" direct radiator soft-dome midrange; 3" \times 7" wide-dispersion horn, solid-state tweeter. FR 25-22,000 Hz ± 3 dB; min power 5 W, max power 125 W; sens 91 dB SPL W/m; imp 8 ohms; American walnut-grained vinyl finish; 66 lbs; 16.25" W \times 29.5" H \times 14.375" D..... \$960/pr

Digital Technology Series: Two

Vented floor-standing speaker with solid-state horizontal wide-dispersion horn for exceptionally high power handling and extremely high acoustic output. Features 2 polypropylene woofers; adjustable tweeter; response switch for response shape and amp. Contains two 8" direct-radiator cone woofers; 3" \times 7" wide-dispersion horn tweeter. FR 35-22,000 Hz ± 4 dB; min power 2 W, max power 125 W; sens 93 dB SPL 1 W/m; imp 8 ohms; American walnut-grained vinyl finish; 43 lbs; 14.25" W \times 28.25" H \times 10.875" D..... \$540/pr

SP 102 Speaker

Features 12" woofer; 2" midrange; 1" tweeter. FR 25,000-22,000 Hz ± 3 dB; min power 5 W, max power 125 W; sens 91 dB SPL 1 W/m; imp 8 ohms; oak wood finish; 67 lbs; 16 $\frac{1}{8}$ " W \times 29 $\frac{3}{8}$ " H \times 14 $\frac{1}{4}$ " D..... \$580/pr

SP 101 Speaker

Sealed speaker features two 8" woofers; 1" dome tweeter. FR 35-22,000 Hz ± 4 dB; min power 2 W, max power 80 W; sens 91 dB SPL 1 W/m; imp 4 ohms; oak wood finish; 43 lbs; 14 $\frac{1}{4}$ " W \times 38 $\frac{1}{4}$ " H \times 10 $\frac{1}{4}$ " D..... \$440/pr

Finch Speaker

Acoustic-suspension compact bookshelf speaker features ultra-long excursion woofer matched to liquid-cooled polymer dome tweeter with solid wood cabinet construction in walnut 0.75" thick for low cabinet vibration. Contains 5.25" direct-radiator cone woofer; 1" direct-radiator polymer dome tweeter. FR 60-20,000 Hz ± 6 dB; min power 5 W, max power 60 W; sens 90 dB SPL/W/m; imp 8 ohms; solid walnut or solid oak finish; 15 lbs; 7" W \times 10.5" H \times 6" D \$240/pr

Q² Cube Speaker

Cube-shaped speaker with speaker drivers in two adjacent sides. Useable in car stereo systems. Two-sided radiation permits easy adjustment of tonal quality/bass-treble balance. Contains 5.25" direct-radiator cone woofer; 2" liquid-cooled direct-radiator cone tweeter. FR 60-20,000 Hz; min power 5 W, max power 45 W; sens 91 dB SPL 1 W/m; imp 8 ohms; solid brown vinyl finish; 12 lbs; 7.875" W \times 7.875" H \times 7.875" D \$180/pr

Q² Bass Pedestal Subwoofer/Stand

Matching subwoofer/stand for the Q² cube speaker. Acoustic suspension floor-standing subwoofer extends bass response down to 40 Hz and provides for additional power handling up to 60 W for the system with low-pass filter for subwoofer and high-pass filter for Q². Contains 6 1/2" direct-radiator cone driver. FR 45-150 Hz; min power 5 W, max power 60 W; sens 91 dB SPL/W/m; imp 8 ohms; solid brown vinyl finish; 25 lbs; 7.875" W \times 23 1/2" H \times 7.875" D \$180/pr

Bullfrog Subwoofer

Subwoofer with passive radiator. Contains 2 \times 6 1/2" driver. Features built-in low-pass filters for subwoofer and high-pass filters for pair of Finch speakers. FR

40-140 Hz ± 4 dB; min power 5 W; sens 89 dB SPL/W/m; imp 8 ohms; woodgrain vinyl finish; 32 lb; 15 1/2" W \times 13 1/4" H \times 15 1/4" D \$200

DYNACO by ESS**123C Speaker System**

Passive-radiator floor-standing speaker with 12" woofer, 5" midrange and 2" \times 5" piezoelectric tweeter. Features auto-reset circuit breaker; tweeter crossover control +3 to -20 dB; midrange crossover control +3 to -4 dB; FR 20-30,000 Hz ± 4 dB; power range 18-175 W; sens 96 dB SPL/W/m; imp 6 ohms; walnut grain finish; 14 1/4" W \times 39" H \times 11 1/4" D; 45 lbs \$998/pr

312 Speaker

Passive-radiator bookshelf speaker with 12" woofer, 5" midrange, and 2" \times 5" piezoelectric tweeter. Features auto-reset circuit breaker; tweeter crossover control +3 to -20 dB; midrange crossover control +3 to -4 dB; FR 23-30,000 Hz ± 4 dB; power range 15-150 W; sens 96 dB SPL/W/m; imp 6 ohms; walnut grain finish \$798/pr

310 Speaker

Passive-radiator bookshelf speaker with 10" woofer, 5" midrange and 2" \times 5" tweeter. Features auto-reset circuit breaker; tweeter crossover control +3 to -20 dB; midrange crossover control +3 to -4 dB; FR 25-25,000 Hz ± 4 dB; power range 12 to 120 W; sens 96 dB SPL/W/m; imp 6 ohms; walnut grain finish; 14 1/4" W \times 25" H \times 11 1/4" D; 35 lbs \$598/pr

DYNAMIC ACOUSTICS**2200 Satellite Speaker**

Bookshelf satellite featuring 18 dB/octave crossover at 2,600 Hz with solid radiused corners. Contains

5 1/2" polypropylene midrange; 1" textile-dome tweeter. FR 60-20,000 Hz ± 3 dB; min power 10 W, max power 60 W; sens 88 dB SPL/W/m; imp 8 ohms; 8 1/4" W \times 13 1/2" H \times 6 1/4" D \$320/pr

2602 Subwoofer

Stereo subwoofer designed for floor placement. Features internal 12 dB/octave crossover with bi-amp capability. Switch disables passive crossover for bi-amping; casters facilitate room placement. Contains 2 8" polypropylene woofers. FR 35-100 Hz ± 3 dB; min power 20 W, max power 150 W; sens 88 dB SPL/W/m; imp 8 ohms; oak or walnut veneer finish; 48 lbs; 16 1/2" W \times 16 1/4" H \times 16 1/4" D \$320/ea

EGO SYSTEMS LOUDSPEAKERS**Super Tower Speaker**

Floor-standing tower speaker with two 10" woofers, 10" passive radiator, 5" midrange, 1" Mylar dome tweeter with ferrofluid. Features fuse protection; phase-compensation switch; brightness control; alagash vinyl finish; removable black cloth grille. FR 22-23,000 Hz; crossovers 400 and variable 4k-8 kHz; power range 10-150 W; sens 97 dB SPL/W/m; impedance 6 ohms; 37 1/8" H \times 13 1/2" W \times 14 1/2" D (includes integral 2" pedestal) \$1,190/pr

SE 12.3 Speaker

Ducted port 3-way speaker with 12" woofer, 5" midrange, 1" Mylar dome tweeter with ferrofluid. Features LED peak-level indicator; spring terminals; brightness control; midrange pad; fuse protection; Phase compensation" switches; front-mounted crossover panel; removable black knit grille. Frequency response 30-21,000 Hz; crossovers 700 and variable 5k-8k Hz; power range 10-100 watts RMS; SPL 97 dB; impedance 6 ohms; 26 1/4" H \times 15 1/2" W \times 11 1/4" D; 48 lb \$790/pr

Some Critical Comment About the PS-10!



"The overall sound is smooth, clean, and detailed. **Bass is surprisingly well maintained** for so small a speaker. Imaging is also outstanding, with firm, stable stereo localizations and a good sense of spaciousness and depth."

— The Editors,
High Fidelity

"To these ears they provided a very open and transparent kind of sound, with excellent and **stable stereo imaging.**"

— Len Feldman,
Ovation

"The PS-10 loudspeakers by Design Acoustics could be **the last pair you'll ever buy.**...the speakers are able to handle anything you can deliver and provide tight bass and excellent imaging..."

— Paul Terry Shea,
Rolling Stone

"In our listening test, the PS-10s delivered a **smooth, balanced sound.**... its compact size and unobtrusive looks should enable it to fit in almost anywhere both aesthetically and acoustically."

— Julian D. Hirsch,
Stereo Review

Judge for yourself at your Design Acoustics dealer today!

DC DESIGN ACOUSTICS
An Audio-Technica Company
1225 Commerce Drive, Stow, Ohio 44224

SE 6 Speaker System

2-way speaker system with 6½" polypropylene woofer, 1" soft dome tweeter; FR 45-20,000 Hz; crossover at 3 kHz; power range 5-60 W RMS; sens 91 dB SPL/W/M; imp 6 ohms; removable black knit grille; 14¼" H × 8½" W × 7¾" D..... \$278 pr

PS-10 Speaker

Bookshelf ported speaker with removable black knit grille. Features 10" polypropylene woofer; 4½" cone midrange; ¾" liquid-cooled dome tweeter. FR 40-20,000 Hz ± 3 dB; min power 10 W; max power 80 W; sens 93 dB SPL W/M; imp 4 ohms; crossover at 700 & 5 Hz. 12½" W × 22½" H × 11½" D; 32 lbs; walnut vinyl veneer \$389 pr

PS-8 Speaker

Bookshelf ported speaker with removable black knit grille. Features 8" polypropylene cone woofer; ¾" ferrofluid dome tweeter. FR 40-20,000 Hz ± 3 dB; min power 10 W; max power 60 W; sens 92 dB SPL/W/M; imp 4 ohms; crossover 4,000 Hz. 12½" W × 22½" H × 9½" D; 23 lbs; walnut vinyl veneer..... \$299 pr

PS-5 Speaker

Bookshelf ported speaker with removable black knit grille. Features 5½" cone woofer; ¾" dome tweeter. FR 50-20,000 Hz ± 3 dB; min power 10 W; max power 50 W; sens 90 dB SPL/W/M; imp 6 ohms; crossover at 5,000 Hz. 6¾" W × 11¼" H × 7¾" D; 10 lbs; walnut vinyl veneer finish..... \$198/pr

EGO Speaker Enhancer

Three sided design with high performance liquid-cooled high frequency driver for extended performance from any main speaker system. Features high frequency balance control; 1" textile fluidome tweeter. FR 7,000-23,000 Hz ± 2 dB; 13" W × 7½" H × 3" D; 5 lbs; solid walnut or black lacquer finish..... \$119-149 pr

EMPIRE**FET-600 Speaker**

Bookshelf speakers with 6½" polypropylene cone woofer and 1" aperiodic soft-dome tweeter. Max power 200 W; Crossover 3,000 Hz; imp 8 ohms; efficiency 90 dB SPL at 1 meter with 1 W input. Walnut veneer; 17¾" H × 9½" W × 10 ¾" D..... \$499 pr

FET-450 Speaker

Bookshelf speaker with 2 × 4½" cone woofer; ¾" polymer dome tweeter. Max power 150 W; imp 4 ohms; efficiency 90 dB SPL at 1 meter with 1 W input; crossover 10,000 Hz. Walnut veneer; 19" H × 7¾" W × 8" D..... \$349/pr

ENERGY by API**22 Reference Connoisseur**

Two-way bass-reflex mirror-imaged speaker, matched ½ dB left and right. Six different exotic matched wood veneers available. Features 7" polypropylene cone woofer with PVC stitched suspension; 1.5" dual hyperdome tweeter. FR 25-20,000 Hz ± 1.5 dB off axis; sens 89 dB SPL/W m; imp 8 ohms; power range 20-200 W; 35¾" H × 11" W × 14" D; 80 lbs..... \$1,500-2,200/pr

22 Reference Monitor

Two-way bass-reflex front-port monitor matched within ½ dB left and right. Features 7" polypropylene cone woofer with PVC stitched suspension; 1.5" dual hyperdome tweeter; includes stands. FR 34-20,000 Hz ± 1.5 dB off axis; sens 89 dB SPL/W m; imp 8 ohms; power range 20-200 W; 24¾" H × 10½" W × 12" D; 34 lbs..... \$1,100 pr

22 Pro Monitors

Two-way bass-reflex mirror-imaged speaker, matched 0.5 dB left and right. Includes stands. Features 7" polypropylene cone woofer with PVC stitched suspension; 1.5" dual hyperdome tweeter. Walnut-grain vinyl with black sag-resistant fabric grilles. FR 28-20,000 Hz ± 1.5 dB off axis; sens 89 dB SPL W/m;

imp 8 ohm; power range 20-200 W; 24¾" H × 10½" W × 12" D; 34 lbs..... \$800/pr

ESM-2 Speaker

2-way bass-reflex speaker, mirror imaged and matched within 1 dB left and right. Features 8" polypropylene cone woofer with rubber surround; 1" ferrofluid cooled tweeter; black sag resistant fabric grilles. FR 40-22,000 Hz ± 3 dB; sens 86 dB SPL/W/M; imp 8 ohms; min power 12 W; max power 100 W; crossover 2,000 Hz phase corrected. 23¾" H × 10½" W × 10½" D; 24 lbs/ea; walnut grain vinyl veneer finish; stands optional..... \$330/pr

ESM-3 Speaker

2-way bass-reflex speaker, mirror-imaged and matched within 1 dB left and right. Features 8" polypropylene cone woofer with foam surround; ¾" soft dome ferrofluid cooled tweeter; black sag resistant fabric grille. FR 45-22,000 Hz ± 3 dB on axis; sens 86.5 dB SPL/W/M; imp 8 ohms; min power 10 W; max power 80 W; crossover 2,000 Hz phase corrected. 20" H × 10¾" W × 8¾" D; 20 lbs/ea; walnut grain vinyl veneer finish; stands optional... \$250/pr

EPI by EPICURE**Stat 450 Speaker**

Floor-standing two-way hybrid electrostatic speaker. Features 10" two-layer Time/Energy cone woofer; three electrostatic panels with almost 60 square inches of sound radiating surface area; electrostatic panel level control. FR 44-20,000 Hz ± 3 dB; crossover 1,000 Hz; power range 20-250 W; imp 4 ohms; walnut-grain vinyl veneered cabinet and brown grille cloth..... \$700/pr

EPI Time/Energy Series Speakers

All EPI Time/Energy Series speakers feature two-layer woofer cones and tweeter diaphragms; stiff plastic layer that resists flexing; damping layer that controls resonances; ferrofluid cooling in the midrange and tweeter.

T/E 360 Speaker System

Floor-standing 3-way speaker system with 10" woofer, 12" passive piston bass radiator; 4" sealed-frame midrange and 1" tweeter. Features oak-grain vinyl-veneered cabinet and brown grille cloth; FR 32-20,000 Hz ± 3 dB; crossovers 700 and 3,000 Hz; power range 20-250 W; imp 4 ohms; 37½" H × 17" W × 10½" D..... \$700/pr

T/E 320 Speaker System

Floor-standing 3-way speaker system with 10" woofer; 4" sealed-frame midrange and 1" tweeter. Features walnut-grain vinyl-veneered cabinet and brown grille cloth. FR 42-20,000 Hz ± 3 dB; crossovers 700 and 3,000 Hz; power range 20-250 W; imp 4 ohms; 29" H × 17" W × 10½" D..... \$500/pr

T/E 120 Speaker System

Bookshelf/floor-standing 2-way speaker system with 10" woofer and 1" tweeter. Features walnut-grain vinyl-veneered cabinet and brown grille cloth. FR 38-20,000 Hz ± 3 dB; crossover 1,600 Hz; power range 15-90 W; imp 8 ohms; 25¼" H × 15" W × 10½" D..... \$360/pr

T/E 100 Plus Speaker System

Bookshelf 2-way speaker system with 8" woofer and 1" tweeter. Features oak-grained vinyl-veneered cabinet and brown grille cloth. FR 38-20,000 Hz ± 3 dB power range 15-90 W; imp 8 ohms; 21¾" H × 13½" W × 8¾" D..... \$280/pr

T/E 100 Speaker System

Bookshelf 2-way speaker system with 8" woofer and 1" tweeter. Features walnut-grained vinyl-veneered cabinet and brown grille cloth; FR 40-20,000 Hz ± 3 dB; crossover 1,800 Hz; power range 15-90 W; imp 8 ohms; 20" H × 12" W × 8¾" D..... \$250/pr

T/E 70 Speaker System

Bookshelf 2-way speaker system with 6" woofer and 1" tweeter. Features walnut-grained vinyl-veneered cabi-

net and brown grille cloth. FR 55-20,000 Hz ± 3 dB; crossover 1,800 Hz; power range 15-90 W; imp 8 ohms; 16" H × 10½" W × 7½" D..... \$184/pr

Magnus Series Speakers**EPI Magnus A24 Speaker**

Floor-standing three-way speaker system with two 12" woofers, 6" mid/bass driver and CDH tweeter. Features constant dispersion horn tweeters; dual level



controls; closed frame. FR 33-20,000 Hz; crossovers 500 and 4,000 Hz; power range 10-350 W peak; imp 4 ohms. walnut grain vinyl veneered cabinet and brown grille cloth; 10½" H × 17" W × 10½" D..... \$700/pr

EPI Magnus A12 Speaker

Bookshelf three-way speaker system with 12" woofer, 6" mid/bass driver and CDH tweeter. FR 35-20,000 Hz; crossover 500 and 4,000 Hz; power range 10-300 W peak; imp 4 ohms; walnut-grain vinyl veneered cabinet and brown grille cloth; 25¼" H × 15¼" W × 11½" D..... \$500/pr

EPI Magnus A11 Speaker

Bookshelf three-way speaker system with 10" woofer, 6" mid/bass driver and CDH tweeter. FR 40-20,000 Hz; crossover 500 and 4,000 Hz; power range 10-220 W peak; imp 4 ohms; walnut-grain vinyl veneered cabinet and brown grille cloth; 22¾" H × 12¾" W × 11½" D..... \$400/pr

EPI Magnus A10 Speaker

Bookshelf two-way speaker system with 10" woofer and CDH tweeter. FR 45-20,000 Hz; crossover 4,000 Hz; power range 10-250 W peak; imp 4 ohms; walnut-grain vinyl veneered cabinet and brown grille cloth; 22¼" H × 12¼" W × 11½" D... \$320/pr

ESB USA**7/05 Speaker**

Passive-radiator 4-way floor-standing speaker. Features 12" woofer; 8" mid/low driver; 2" soft-dome midrange; 1" soft dome tweeter; crossover frequencies 500, 2,000, 5,000 Hz; controls (in 1.5 dB steps) for each driver. Recommended power per ch 80-400 W RMS; imp 6 ohms; sens 89 dB (2.83 V/m/pink noise); FR 25-20,000 Hz, -3 dB at 35 Hz; rosewood finish..... \$4,500/pr

7/06 Speaker

Acoustic-suspension 4-way floor-standing speaker. Features 12" woofer; 8" mid/low driver; 2" soft-dome midrange; 1" soft dome tweeter; crossover frequencies 500, 2,000, 5,000 Hz; controls (in 1.5 dB steps) for each driver. Recommended power per ch 50-250 W RMS; imp 6 ohms; sens 89 dB (2.83 V/m/pink noise); FR 25-20,000 Hz, -3 dB at 35 Hz; rosewood finish..... \$3,300/pr

7/07 Speaker

Acoustic-suspension 4-way floor-standing speaker. Features 12" woofer; 8" mid/low driver; 1½" soft-

dome midrange; 1" soft dome tweeter; crossover frequencies 500, 2,000, 6,000 Hz; controls (in 1.5 dB steps) for each driver. Recommended power per ch 50-220 W RMS; 6 ohms; sens 88 dB (2.83 V/m/pink noise); FR 30-20,000 Hz, -3 dB at 40 Hz; walnut finish. 47" H x 16" W x 12" D; 90 lbs \$2,200/pr

7/08 Speaker

Acoustic-suspension 3-way floor-standing speaker. Features 10" woofer; 2" soft-dome midrange; 1" soft dome tweeter; crossover frequencies 650, 6,000 Hz; controls (in 1.5 dB steps) for each driver. Recommended power per ch 40-200 W RMS; 6 ohms; sens 87 dB (2.83 V/m/pink noise); FR 35-20,000 Hz, -3 dB at 45 Hz; walnut finish. 37" H x 15" W x 11" D; 55 lbs \$1,400/pr

7/09 Speaker

Acoustic-suspension 3-way bookshelf speaker. Features 10" woofer; 1 1/2" soft-dome midrange; 1" soft dome tweeter; crossover frequencies 800, 6,000 Hz; controls (in 1.5 dB steps) for each driver. Recommended power per ch 40-180 W RMS; 6 ohms; sens 87 dB (2.83 V/m/pink noise); FR 35-20,000 Hz, -3 dB at 45 Hz; walnut finish. 13" H x 21" W x 13" D; 40 lbs \$880/pr

7/01 Speaker

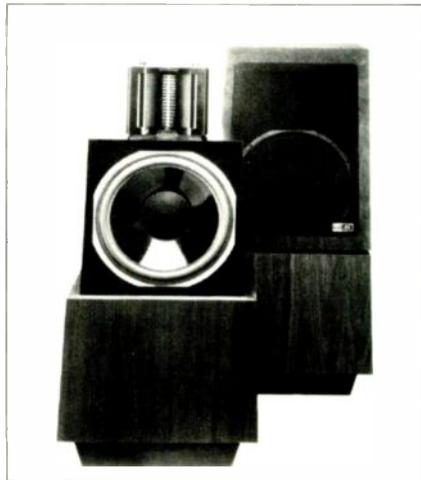
Acoustic-suspension 3-way speaker. Features Distributed Spectrum Radiation; 8" cone woofer; 1 1/2" soft dome midrange; 1" soft dome tweeter. FR 45-20,000 Hz ± 3 dB; power range 50-150 W; sens 87 dB SPL/W/m; imp 6 ohms; walnut finish; 16" W x 11" H x 11 1/2" D; 33 lbs \$700/pr

ESS

AMT Series

AMT 1D Speaker

Floor-standing passive-radiator 2-way speaker with 12" polypropylene woofer, 12" passive radiator. Features midrange presence, brilliance controls; oiled-walnut finish; black-brown grille. FR 35-23,000 Hz



± 3 dB; crossover 800 Hz; max power 400 W; imp 6 ohms; horizontal/vertical dispersion 120°/30° sens 91 dB SPL/W/m; 35.25" H x 16.25" W x 16.25" D; 85 lbs \$1,270/pr

AMT II Speaker

Floor-standing passive-radiator 2-way speaker with 10" fiber cone woofer, 10" passive radiator. Features midrange, presence, brilliance controls; oiled-walnut finish; black-brown grille. FR 38-23,000 Hz ± 3 dB; crossover 900 Hz; max power 160 W music; imp 6 ohms; horizontal/vertical dispersion 120°/30°; sens 91 dB SPL/W/m; 33 3/4" H x 15 1/2" W x 15 1/2" D; 65 lbs \$950/pr

AMT Bookshelf Speaker

Passive-radiator 2-way bookshelf speaker with 12" woofer, 12" passive radiator, 21.5 in² Heil air motion

transformer with polyester articulated silicon-edged diaphragm. Features presence/brilliance control; oiled walnut finish; black-brown grille. FR 40-23,000 Hz ± 3 dB; crossover 800 Hz; max 400 W music power; imp 6 ohms; horizontal/vertical dispersion 120°/30°; sens 91 dB SPL/W/m; 24" H x 14" W x 14" D \$1,100

Mini Monitor 620 Speaker

Two-way mini bookshelf speaker. Features dynamic 5 1/4" long excursion woofer; 1 1/4" dome shape tweeter; 5" passive radiator. FR 60-20,000 Hz ± 4 dB; power range 10-60 W; sens 87 dB SPL/W/m; imp 8 ohms; oiled walnut veneer finish; 7" W x 12" H x 7 1/2" D; 16 1/2 lbs/pr \$152/pr

Performance Series

PS-12C Speaker System

Passive-radiator speaker system with 12" woofer, Heil air-motion transformer with 10.4-sq-in. radiating area. Features walnut vinyl finish. FR 32-22,000 Hz ± 3 dB; crossover 1.8 kHz; power range 15-160 W; sens 93 dB SPL/W/m; imp 6 ohms; 25" H x 14 1/2" W x 13 1/2" D \$718/pr

PS-6D Speaker System

Passive-radiator speaker system with 10" woofer, Heil tweeter/midrange driver. Oiled walnut-grain finish. FR 40-22,000 Hz ± 3 dB; power range 15-140 W; imp 6 ohms; crossover 2.4 kHz; sens 93 dB SPL/W/m; 24.12" H x 14" W x 14" D; 49 lbs \$678/pr

High-Dynamic-Range Speakers

HD-1200 Speaker

Ported speaker with 12" woofer, dynamic midrange horn and 2" x 5" piezoelectric tweeter. Features brilliance and midrange controls; walnut vinyl; nominal imp 4 ohms; sens 96 dB SPL/W/m; FR 34-23,000 Hz; 25" x 14 1/2" x 12"; 42.5 lb \$498/pr

HD-1020. Similar to HD-1200 except no midrange or midrange control; FR 45-23,000 Hz; crossover frequency 3,000 Hz; 22" x 12 1/2" x 12"; 35.5 lb \$298/pr

FANFARE ACOUSTICS

Tempo MK II Speaker

Features 6 1/2" woofer; 6 1/2" midrange; tweeter mount to help eliminate distortion. FR 45-18,000 Hz ± 2 dB; sens 90 dB SPL/W/m; max power 150 W. 12" W x 24" H x 11" D; 35 lbs \$998/pr

FISHER

ST-845 Speaker

Floor-standing bass reflex speaker. Features 15" cone woofer; 6" Ferrofluid dome midrange; 4" Ferrofluid superhorn. 17 1/8" W x 31 1/4" H x 13 1/8" D \$600/pr

ST-832 Speaker

Floor-standing reflex speaker. Features 15" woofer; 5" Ferrofluid damped midrange; 3" Ferrofluid damped tweeter. Maximum power 100 W; 17.75" W x 31.88" H x 14.25" D \$500/pr

ST-828 Speaker

Floor-standing bass reflex speaker. Features 15" woofer; 5" Ferrofluid damped midrange; 3" Ferrofluid damped tweeter. Maximum power 100 W; 16.75" W x 29.4" H x 12.9" D \$400/pr

STV-015 Speaker

Bookshelf bass reflex speaker. Features a magnetic shielding for placement next to TV; 8" woofer; 4" midrange; 3" tweeter. Maximum power 100 W; 11" W x 19" H x 13.25" D \$300/pr

DS-827 Speaker

Floor-standing bass reflex speaker. Features 12" woofer; 5" Ferrofluid midrange; 3" Ferrofluid tweeter. Maximum power range 100 W; 14.25" W x 29.4" H x 12.9" D \$300/pr

DS-816 Speaker

Floor-standing bass reflex speaker. Features 10" cone woofer; 5" cone midrange; 3" cone tweeter. Maximum power 60 W; 12.3" W x 25.4" H x 11" D \$200/pr

FRIED PRODUCTS

Model O/3 Subwoofer Kit

Mirror image dual-channel subwoofer kit with transmission-line design, 10" woofer. Normal input for use with Fried satellite speakers, biamp input for use with other satellites. Response within 3 dB at 20 Hz; power range 25-200 W; fuse protected; 31" H x 24 1/2" W x 13 1/2" D \$700/pr

Model SM/3. Similar to Model O12 except max 12" woofer; power 400 W; 38" H x 29 1/2" W x 15" D Kit \$800/pr

G/2A Loudspeakers

Aperiodic wide-band 3-way speakers incorporating all series crossover networks, high technology drivers and "flow resistance" enclosures for both mid and bass. Woofers are high-force-factor polypropes; mids are 6 1/2" composite polypropes aperiodic dome; mid and treble units mounted on sloping baffle; cabinet of laminated fibercore with natural walnut overlay; bass chamber has "free flow" filters; black foam grille. FR 22-22,000 Hz ± 3 dB; sens 92 dB/2.83 V/m; imp 8 ohms, very flat essentially resistive; crossover all series, zero phase error, 99 Hz, 2,500 Hz; input power 25-200 W/ch; 44" H x 16" W x 18" D; 100 lb \$1,840/pr

Studio IV Speaker

"Flow resistance" floor-standing speaker with duocone drivers, series networks. Features 8" duocone woofer; 2" duocone midrange; 1 1/4" dome tweeter FR 26-22,000 Hz ± 3 dB; min power 10 W, max power 1,000 W; sens 91 dB SPL/W/m; imp 8 ohms; walnut finish; 75 lb; 12" W x 39" H x 18" D \$1,100/pr

C/3 Satellite Speaker Kit

Pyramidal 2-way speaker designed for use with Model O/3 and SM/3 subwoofers. Features 6" bass/midrange, dome tweeter; pressure-release damped venting; 10 1/2" (bottom) x 6" (top) W x 9" (bottom) x 6 1/2" (top) D \$400/pr

A/3 Speaker

Speaker with 8" polypropylene woofer, 1" soft-dome tweeter. Features edge-on free-flow filters; line tunnel. FR 45-20,000 Hz ± 3 dB; power range 25-100 W; imp 8 ohms; crossover 2 kHz; sens 89 dB SPL/W/m; 23" H x 13" W x 10 1/2" D \$580/pr

Q/3 Speaker

Speaker with 8" polypropylene woofer, dome tweeter. Features edge-on free-flow filters; circuit-breaker protection. FR 45-20,000 Hz; power range 20-100 W; vinyl finish; 20" H x 13" W x 10 1/2" D \$390/pr

Beta Loudspeaker

Full-range speaker of mini-monitor proportions with polypropylene cones and linear crossovers. Features 6 1/2" polypropylene woofer; composite tweeter with 2" cone and 1/8" dome; 2 error varies crossover; pressure-release bass-loading free-flow filter system; 13 1/2" H x 8" W x 8" D \$290/pr

Duo Subwoofer

"Flow resistance" floor-standing subwoofer with dual voice coil polypropylene driver. Features 10" cone woofer. FR 30-100 Hz ± 3 dB; min power 20 W, max power 200 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut finish; 50 lb \$300/ea

GENESIS

G 44 Speaker

Floor-standing quasi-infinite baffle, passive radiator speaker. Features 10" cone passive rad; 8" treated cone, long excursion woofer; .75" double inverted, rigid dome Ferrofluid tweeter. FR 27-24,000 Hz ± 4 dB; power range 30-250 W; sens 87 dB SPL/W/m;

imp 6 ohms; teak vinyl, hand rubbed oak veneer finish; 18" W x 31.5" H x 9" D; 42 lbs ... \$700/pr

G 33 Speaker

Floor-standing quasi-infinite baffle, passive radiator speaker. Features low crossover point for wide dispersion; low distortion; lifetime warranty. Speaker houses 10" cone passive rad; 8" treated cone long excursion woofer; 1" inverted dome ferrofluid tweeter. Power range 20-100 W; sens 90 dB SPL/W/m; imp 6 ohms; teak vinyl finish; 16" W x 29" H x 8" D; 31 lbs ... \$500/pr

G 22 Speaker

Quasi-infinite baffle speaker. Features low crossover point; lifetime warranty. Speaker houses 8" cone passive rad; 6.5" treated cone long excursion woofer; 1" inverted dome ferrofluid tweeter. FR 40-20,000 Hz ± 4 dB; power range 20-100 W; sens 87 dB SPL/W/m; imp 6 ohms; teak vinyl finish; 14" W x 23.5" H x 7.5" D; 28 lbs ... \$370/pr

G 11 Speaker

Bookshelf quasi-infinite baffle vented speaker. Features low crossover for wide dispersion; lifetime warranty. Speaker houses 8" treated cone long throw woofer; 1" inverted dome ferrofluid tweeter. FR 50-20,000 Hz ± 4 dB; power range 20-100 W; sens 90 dB SPL/W/m; imp 6 ohms; teak vinyl finish; 12.25" W x 19" H x 7.5" D; 16 lbs ... \$278/pr

GLI

FRA-2 Series II Speaker

Modular speaker with 3 solid-state supertweeters, four 5/8" extended-range forward-facing drivers, rear-mounted 15" passive bass radiator. FR 55-22,000 Hz ± 3 dB; max output 110 dB; sens 96 dB SPL/W/m; maximum input power 175 W/ch; imp 8 ohms; crossover 300 Hz (bass roll-off mode 6 kHz). Black cabinet with protective metal corners and metal screens; 20" x 19" x 9"; 30 lb ... \$350
MR-II. Decor version of FRA-2. Wood-grain finish; brown grille cloth ... \$350

Model I Speaker

Vented floor-standing 3-way speaker with two 15" cone woofers, one horn compression midrange, and two horn radial tweeters. FR 35-20,000 Hz ± 4 dB; power range 100-175 W; sens 101 dB SPL/W/m; imp 8 ohms; black finish; 24" W x 38" H x 15 1/2" D; 110 lbs ... \$1,600/pr

MR-2 Speaker

Box speaker for full-range professional sound with auto-resetting circuit breaker. 90° x 60° dispersion. 15" cone passive radiator, four 5/8" full-range cones, three 3 x 2 1/2" piezo tweeters. FR 50-20,000 Hz; max power 300 W; sens 150 dB SPL/W/m; imp 8 ohms; walnut finish; 20" W x 19" H x 9" D; 30 lbs ... \$788/pr

Boardroom Speaker

Compact full-range box bookshelf speaker with auto-resetting circuit breaker. Featuring two 5/8" woofers, one radial horn tweeter. Max power 80 W; sens 97 dB SPL/W/m; imp 4 ohms; walnut veneer finish; 17 1/2" W x 10" H x 9" D; 15 lbs ... \$399/pr

Wedge Speaker

Compact box speaker for corner installations features auto-resetting circuit breaker. 5/8" cone woofer, 1" dome tweeter, ferrofluid improved, mounts to wall/mike stand. FR 50-20,000; max power 50 W; imp 8 ohms; black finish; 9" W x 10 1/2" H x 5 3/4" D; 16 lbs ... \$200/pr

GOLD SOUND

System 14 Speaker Kit

Floor-standing bass-reflex 4-way speaker kit with 18" JBL woofer, 8" JBL midbass; 4" x 8" horn with JBL midrange driver and 5" x 5" JBL horn tweeter. FR 26-21,000 ± 3 dB; power range 3-600 W; sens 95 dB SPL/W/m; max volume 123 dB (pro version 36-21,000 ± 3 dB; sens 98 dB SPL/W/m; max volume

126 dB); 150, 1,200 and 5,000 Hz crossover with midbass, midrange and tweeter level controls; imp 8 ohms; available as single-cabinet full-range system; 46" H x 29" W x 19" D, or separate satellites (23" H x 13" W x 11" D) and subwoofer (36" W x 36" D x 19" H). Drivers, crossover and plans (with 2 JBL 18" ... \$1,812/pr;

System 14A Speaker Kit

Floor-standing bass-reflex 4-way speaker kit with 15" JBL woofer; 8" JBL midbass; 4" x 8" horn midrange and 5" x 5" JBL horn tweeter (pro version has 2 15" woofers); FR 28-21,000 ± 3 dB; power range 5-300 W; sens 93 dB SPL/W/m; max volume 118 dB (pro version FR 45-21,000 Hz; sens 97 dB SPL/W/m); 200, 1,200 and 6,000 Hz crossover with midbass, midrange and tweeter level controls; imp 8 ohms; available as single cabinet full range systems (36" H x 24" W x 18" D) or separate satellites (23" H x 13" W x 11" D) and subwoofer (32" W x 32" D x 19" H). Drivers, crossover and plans (with 2 JBL 15") ... \$1,492/pr

System 12 Speaker Kit

Floor-standing bass-reflex 3-way speaker kit with JBL woofers, 7" Audax cone midrange, and JBL bi-radial horn tweeter (pro version has 2 15" woofers); FR 28-21,000 ± 3 dB; power range 10-400 W; sens 97 dB SPL/W/m; max volume 118 dB; (pro version sens 97 dB; FR 45-21,000 ± 3 dB); 200 and 4,000 Hz crossover with midrange and tweeter level controls; imp 8 ohms. Speakers crossover and plans ... \$1,198/pr

System 11 Speaker Kit

Floor-standing 3-way bass-reflex speaker kit with 15" JBL woofer; 7" Audax cone midrange; JBL horn tweeter; FR 28-21,000 Hz ± 3 dB; power range 5-300 W; sens 93 dB SPL/W/m (pro version FR 45-21,000 Hz; 97 dB SPL/W/m); 300 and 6,000 Hz crossovers; midrange and tweeter level controls; imp 4 ohms. Drivers, crossovers and plans ... \$888/pr
Assembled Cabinet. 44" x 18" x 17" ... \$390

System 7 Speaker Kit

Floor-standing bass-reflex 4-way speaker kit with two 12" polypropylene woofers; 7" Audax cone midrange; 1.25" Audax soft-dome tweeter; Technics leaf supertweeter; FR 36-20,000 Hz ± 3 dB; power range 20-300 W; sens 95 dB SPL/W/m; max volume 120 dB; crossover 200, 1,800 and 10,000 Hz; imp 8 ohms. Drivers, crossover, and plans ... \$549/pr
Assembled cabinets. Brown or black grille. \$390/pr

System 6 Speaker Kit

Floor-standing bass-reflex 3-way speaker kit with two 10" polypropylene woofers; 6" polypropylene midrange and 1.25" Audax soft-dome tweeter; Technics leaf supertweeter; FR 38-20,000 ± 3 dB; power range 5-240 W; sens 94 dB SPL/W/m; max volume 117 dB; crossovers 150 and 4,000 Hz; imp 4 ohms. Drivers, crossover and plans ... \$399/pr
Assembled cabinets. Brown or black grille. \$320/pr

System 5 Speaker Kit

Bass reflex 3-way speaker kit with 15" polypropylene woofer; 6" polypropylene midrange and 1.25" Audax soft-dome tweeter; FR 32-20,000 ± 3 dB; power range 5-200 W; sens 94 dB SPL/W/m; imp 4 ohms. Drivers, crossover and plans ... \$349/pr
Assembled cabinets. Brown or black grille. \$390/pr

System 4 Speaker Kit

Bookshelf bass-reflex 3-way speaker with 12" polypropylene woofer; 6" polypropylene midrange and 1" soft-dome tweeter; FR 36-20,000 ± 3 dB; power handling 5-200 W; sens 93 dB SPL/W/m; max volume 115 dB; 150 and 3,000 Hz crossover; imp 4 ohms. Drivers, crossover and plans ... \$249/pr
Assembled cabinets. Brown or black grille. \$198/pr

System 3 Speaker Kit

Bookshelf bass-reflex 3-way speaker kit with 10" polypropylene woofer; 5" polypropylene midrange and 1" ferrofluid soft-dome tweeter; FR 42-20,000 ± 3 dB; power range 5-150 W; sens 92 dB

SPL/W/m; max volume 112 dB; 200 and 4,000 Hz crossovers; imp 4 ohms. Drivers, crossover and plans ... \$198/pr
Assembled cabinets. Black or brown grille. \$198/pr

System 2 Speaker Kit

Bass-reflex speaker kit with 8" polypropylene woofer; 5" polypropylene midrange and 1" ferrofluid soft-dome tweeter; FR 46-20,000 ± 3 dB; power range 5-100 W; sens 90 dB SPL/W/m; max volume 109 dB; 200 and 4,000 Hz crossovers; imp 4 ohms. Drivers, crossover and plans ... \$159/pr
Assembled cabinets. Brown or black grille. \$120/pr

System 1 Speaker Kit

Bass-reflex 2-way speaker with 6" polypropylene woofer and 1" ferrofluid soft-dome tweeter; FR 60-20,000 ± 3 dB; power range 5-100 W; sens 92 dB SPL/W/m; max volume 110 dB; 2,500 Hz crossover; imp 4 ohms. Drivers, crossover and plans ... \$99/pr
Assembled cabinets with brown or black grille \$80/pr

Subwoofer Kit Series

JBL 18" Subwoofer kit. Floor-standing ported speaker with 18" woofer; cast frame; and 4" voice coil; 150 Hz, 12 dB crossover. FR 29-150 Hz ± 3 dB; power range 5-600 W; sens 95 dB SPL/W/m; imp 8 ohms; walnut; 36" W x 19" H x 36" D; ... \$698/pr
 Above without crossover ... \$620/pr
JBL 15" Subwoofer Kit. Floor-standing ported speaker with JBL 2235H 15" woofer; cast frame; 4" voice coil; 150 Hz, 12 dB crossover. FR 38-150 Hz ± 3 dB; power range 5-300 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut; 18" W x 44" H x 14" D ... \$478/pr
 Above without crossover ... \$398/pr
JBL 15" Subwoofer Kit. Floor-standing ported speaker with 15" polypropylene sub-woofer; 150 Hz, 12 dB crossover. FR 34-150 Hz ± 3 dB; power range 5-200 W; sens 95 dB SPL/W/m; imp 4 or 8 ohms; walnut; 18" W x 44" H x 14" D ... \$249/pr
 Above with four 15" subwoofers ... \$399
12" Subwoofer Kit. Floor-standing ported speaker with 12" polypropylene subwoofer; 150 Hz, 12 dB crossover; hardware and plans. FR 36-150 Hz ± 3 dB; power range 5-200 W; sens 93 dB SPL/W/m; imp 4 or 8 ohms; walnut; 16" W x 26" H x 12" D ... \$196/pr
 Above with four 12" subwoofers ... \$299
10" Subwoofer Kit. Floor-standing ported speaker with 10" polypropylene subwoofer; 150 Hz, 12 dB crossover; hardware and plans. FR 39-150 Hz ± 3 dB; power range 5-150 W; sens 92 dB SPL/W/m; imp 4 or 8 ohms; walnut; 16" W x 26" H x 12" D ... \$169/pr
 Above with four 10" subwoofers ... \$249

GRAFYX

Grafyx 4 Speaker

Three-way vented speaker features 10" polypropylene foam-surround woofer with 1 1/2", high-temp aluminum voice coil, 5" sealed-back polypropylene midrange and 1" ferrofluid-damped, linen, soft dome tweeter. Utilizes wood-grained, vinyl-laminated cabinet. FR 30-20,000 Hz with resonant frequency of 37 Hz at max amplitude; imp of 8 ohms nominal; crossover 1.8-7 kHz; sens 91.5 dB at 1 kHz, 1 W; power handling 5-100 W/ch; 3 2/4" x 14 1/4" x 10 3/32"; 53 lbs ... \$698/pr

Grafyx 3 Speaker

Two-way vented speaker features 8" polypropylene foam-surround woofer with 1" high-temp aluminum voice coil and 1" ferrofluid-damped linen soft-dome tweeter. Utilizes wood-grained, vinyl-laminated cabinet. FR 41-20,000 Hz with resonant frequency of 45 Hz at max amplitude; imp 8 ohms nominal; crossover 2.5 kHz; sens 90 dB at 1 kHz, 1 W; power handling 5-75 W/ch; 2 7/32" x 13 1/16" x 9 11/16"; 38 lbs ... \$558/pr

Grafyx 2 Speaker

Two-way speaker with vented enclosure. Features 6" polypropylene foam-surround woofer with 1" high-temp aluminum voice coil and 1" ferrofluid-damped

linen soft-dome tweeter. Wood-grained, vinyl-laminated cabinet. FR 45-20,000 Hz with system resonant frequency 55 Hz at max amplitude; imp of 8 ohms nominal; crossover 6,400 Hz; sens 92 dB at 1 KHz, 1 W; power handling 5-65 W/ch \$398/pr

Grafyx 1 Speaker

Two-way speaker housed in vented enclosure. Features 5 1/4" polypropylene foam-surrounded woofer with 1", high-temp aluminum voice coil and 10-mm, ultra-light polycarbonate dome tweeters. Utilizes vinyl laminate cabinet. FR 50-20,000 Hz, power handling 5-50 W/ch; 12" x 8 1/8" x 7 1/16"; 13 lb \$258/pr

REUBEN GUSS ENTERPRISES, INC.

System 1-Guss Monitor Speaker

Floor-standing box speaker with 102 drivers. Features six 15" cone woofers; twelve 5" dome-dual diaphragm midranges; four 1" Dome tweeters; twenty-nine custom Piezo-electric supertweeters. Controls



include midrange; tweeter; rear-ambience; satellite. FR 25-25,000 Hz ± 3 dB; power range 30-600 W; sens 92 dB SPL/W/m; imp 6 ohms; walnut oak; 36" W x 73" H x 21" D; 375 lbs, 60 lbs \$50,000/pr

System 2-Symphony Speaker

Floor-standing box speaker with 20 drivers. Features two 15" cone woofers; three 5" dome-dual diaphragm midranges; two 1" dome tweeters; three custom Piezo-electric supertweeters. Controls include mid-range; tweeter; rear-ambience; satellite. FR 28-22,000 Hz ± 3 dB; power range 30-225 W; sens 92 dB SPL/W/m; imp 4 ohms \$9,000/pr

System 3-Concerto Speaker

Floor-standing box speaker with 20 drivers. Features two 12" cone woofers; three 5" dome-dual diaphragm midranges; two 1" dome tweeters; three custom Piezo-electric supertweeters. Controls include mid-range; tweeter; rear-ambience; and satellite. FR 30-22,000 Hz ± 3 dB; power range 30-225 W; sens 92 dB SPL/W/m; imp 4 ohms; walnut and oak; 21" W x 44" H x 19" D; 150 lbs, 12 lbs \$6,000/pr

System 4-Sonata Speaker

Floor-standing box speaker with 12 drivers. Features two 10" dome woofers; 5" dome-dual diaphragm midrange; two custom Piezo-electric supertweeters. Controls for mid-range; tweeter; satellite. FR 32-22,000 Hz ± 4 dB; power range 30-200 W; sens 90 dB SPL/W/m; imp 4 ohms; walnut and oak; 21" W x 38" H x 19"; 110 lbs, 4 lbs \$3,000/pr

HARTLEY PRODUCTS

The Reference

Floor-standing 4-way speaker system with 24" superwoofer, 10" midrange, two 7" tweeters. Cross-

overs 250, 3,000, 7,000 Hz; FR 16-25,000 Hz; power range 25-300 W; imp 5-8 ohms; wood cabinet with removable knit grille; 50 1/4" H x 36" W x 24" D \$4,995/pr

The Concertmaster

Floor-standing 4-way speaker system with 18" woofer, 10" midrange, two 7" tweeters. Crossovers at 250, 3,000, 7,000 Hz; FR 16-25,000 Hz; power range 25-300 W; imp 5-8 ohms; wood cabinet with removable black grille; 41 1/2" H x 29" W x 18" D \$3,850/pr

H Series

All cabinets in the H Series have hand-rubbed walnut veneers and black knit grilles.

H-100 Speaker

Aligned air-column speaker system with 8" long-throw woofer with 1 1/2" high-temperature voice coil, chemically treated cone, 1 1/2" air-column midrange, 2" low-mass cone tweeter. FR 50-20,000 Hz ± 4 dB; power range 5-50 W RMS, unclipped; crossover 2,300 Hz; 21 1/2" H x 10 1/2" W x 10 1/2" D \$380/pr

H-200 Speaker

Aligned air-column speaker. Features 10" long-throw woofer with 1 1/2" high-temperature voice coil, chemically treated cone, 2 1/2" air-column midrange, 1" coated mylar dome tweeter. FR 35-25,000 Hz ± 3 dB; power range 5-100 W RMS; imp 8 ohms; crossover 2,600 Hz; 30" H x 15" W x 15" D \$650/pr

H-300 Speaker

Aligned air-column speakers with two 10" long-throw woofers with 1 1/2" high-temperature voice coil, chemically treated cone assembly, 4 1/2" air-column midranges, two 1" mylar dome tweeters. FR 30-25,000 Hz ± 3 dB; power range 5-150 W RMS; imp 4 ohms; crossover 3,400 Hz; 43" H x 15" W x 15" D \$1,000/pr

SPL-1 System

Includes two SW-10 bass modules, ST-4 phasor arrays, tilt stands for SW-10, aluminum adjustable stands for ST-4, mounting screws, stereo crossover, Allen key. All parts have hand-rubbed walnut veneers; black knit grilles. FR 25-25,000 Hz ± 3 dB.

SW-10. Aligned air-column subwoofer with 10" woofer with 1" high-temperature dual voice coil, polymer cone, magnetic suspension, EFM magnet; 3" polymer cone midrange, magnetic suspension, with two 3" air columns; imp 6 ohms; power range 15-100 W RMS.

ST-4. Polar-aligned phasor with phasor-array supertweeter; imp 8 ohms; power range 15-150 W RMS; 12" H x 5" W x 5" D \$1,700/system

HECO OF AMERICA

Lab 2 Tower Speaker

Floor-standing 5-way speaker sold in mirror-image pairs. 12" cone subwoofer, 8" cone midwoofer, three 2" dome midranges, four 1" dome tweeters, 1/2" dome supertweeter. FR 20-20,000 Hz ± 3 dB; power range 40-200 W; sens 85 dB SPL/W/m; imp 4/8 ohms; walnut finish \$2,500/pr

PCX 4 Speaker

For bookshelf or stand placement. 12" cone woofer, 4" inverted-dome midrange, 1" dome tweeter in line for superior imaging. Woofer has aluminum voice coil; midrange and tweeter have double ferrite rings; tweeter has protection circuit. FR 20-25,000 Hz ± 3 dB; power range 20-200 W; sens 86 dB SPL/W/m; imp 4/8 ohms; walnut veneer finish. 12.64" W x 23.62" H x 14.17" D; 36 lbs ea \$800/pr

PCX 3 Speaker

Bookshelf speaker with 10" cone woofer, 2" dome midrange, 1" dome tweeter aligned for better imaging. Features aluminum voice coil in woofer; supronyl diaphragm tweeter; double ferrite ring in tweeter and midrange; auto protection for tweeter. FR 25-25,000 Hz ± 3 dB; power range 20-150 W; sens 86 dB SPL/W/m; imp 4/8 ohms; walnut finish; 10.59" W x 20" H x 12.20" D; 36 lbs \$600/pr

HEYBROOK by D'ASCANIO AUDIO

Heybrook HB-3 Speaker

Acoustic-suspension 3-way speaker with 10" doped-cone woofer; 4 1/2" doped-cone midrange and 3/4" soft-dome tweeter; removable rear panel for bi- and tri-amping. FR 35-20,000 Hz ± 3 dB; power range 15-200 W. Real walnut, teak, and gloss black finishes. 25" H x 13 3/8" W x 11 3/8" D; 46 lbs. \$798/pr

Heybrook HB-2 Speaker

Reflex-tuned 2-way bookshelf speaker with 6 1/2" bextree woofer; 1" dome tweeter; 15-element crossover. FR 40-20,000 Hz ± 3 dB; imp 8 ohms; power range 20-75 W. Finishes real walnut, teak, oak, and gloss black. 16 3/8" H x 9 1/4" W x 9 1/4" D; 19 lbs. \$398/pr

Heybrook HB-1 Speaker

Acoustic-suspension 2-way bookshelf speaker with 8" doped-cone woofer; 1" dome tweeter. Features removable rear panel for biamping. FR 42-20,000 Hz ± 3 dB; imp 8 ohms; power range 10-75 W; sens 89 dB SPL/W/m. Walnut vinyl and gloss black finishes. 18 1/2" H x 11 1/2" W x 9 1/4" D; 19 lbs. \$298/pr

HITACHI

HSA4000 Speaker

Floor-standing tower speaker with detachable grille. Features 12" cone passive radiator; 12" cone woofer; 4" cone midrange; 2" cone tweeter. FR 35-20,000 Hz; max power 100 W; sens 90 dB SPL/W/m; imp 8 ohms; hickory wood grain vinyl finish; 11 3/4" W x 39 3/4" H x 15 3/4" D; 44 lbs \$290/pr

HSA 3000 Speaker

Floor-standing tower speaker. Features 10" cone passive radiator; 10" cone woofer; 4" cone midrange; 3" cone tweeter. FR 40-20,000 Hz; power range 50 W; sens 90 dB SPL/W/m; imp 8 ohms; hickory wood grain vinyl finish; 13 1/2" W x 35 3/8" H x 10 1/2" D; 27 lbs \$230/pr

HSA 2000 Speaker

Floor-standing speaker with 10" passive radiator; 10" cone woofer; 4" cone midrange; 2" cone tweeter. FR 45-20,000 Hz; max power 30 W; sens 90 dB SPL/W/m; imp 8 ohms; hickory grain finish; 12 1/2" W x 32 3/8" H x 10 1/2" D; 22 lbs \$140/pr

INFINITY

IRS Reference Standard Speaker System, Series III

Modular 4-piece 3-way floor-standing speaker. Features 2 woofer modules with six 12" woofers in feedback loop of servo amp (2 1,500-W woofer amps); 2 midrange/tweeter modules with 12-dipole midrange drivers, 36 tweeters in dipole line-source array (24 front/12 rear-facing); bass variable low-pass filters; low-pass variable damping; woofer level controls; selectable input imp midrange/tweeter amp control; woofer phase switch; servo bass on/off circuit; Monster Cable wiring for midrange, woofer. FR 16-40,000 Hz ± 2 dB; crossovers 70 Hz nominal, 60-120 Hz at main control unit woofer/midrange, 5 kHz midrange/tweeter; midrange/tweeter amp input range 100-500 W/ch; oiled and "Grand Piano" indian rosewood finish; 100-ft cable for hookup of midrange/tweeter to midrange/tweeter amp. Woofer modules: 7'6" H x 18" square; midrange/tweeter modules 7'6" H x 40" W (with hollow and sand-filled curved wing sections) \$35,000/system

Reference Standard Series Speakers

Reference Standard 1B

Modular 4-piece floor-standing speaker: 2 woofer modules with 6 servoed 8" polypropylene woofers, 2 midrange/tweeter curved sections with 7 dipole EMIT drivers, 3 EMIT tweeters, 1 super-high-dispersion EMIT in dipole source array. Features bass variable low-pass filters; low-pass variable damping with level control; selectable imp controls for midrange/tweeter amp; bass amp phase switch; servo-controlled bass circuitry; Monster Cable throughout; mid-tweeter

high-tweeter control on rear of midrange/tweeter module; lacquered oak and hardwood veneers. FR 22-32,000 Hz ± 1.5 dB; woofer crossover variable 100-200 Hz; crossovers 125, 750, 3,000, 8,000 Hz; 60" H x 12" W x 12" D bass column; 60" H x 24" W screens..... \$5,500/system

Reference Standard 2B Speaker System

Floor-standing 5-way speaker with active equalizer (contour and level) for extended low FR. 3 EMIT midrange drivers, 2 EMIT (1 front, 1 back) tweeters, and 1 EMIT supertweeter. Oak diffraction wings. 55" H x 25" W x 20" D \$3,195/system

Reference Standard 3B Speaker System

Floor-standing 3-way speaker with 2 10" polypropylene woofers with L-C tuning for bass extension, 2" polypropylene dome midrange, EMIT tweeter. Designed for min diffraction distortion. Features hand-rubbed oak hardwoods and veneers. FR 35-32,000 Hz ± 3 dB; crossovers 1 and 4 kHz; power range 50-200 W; 48" H x 18" W x 7 1/2" D \$1,398/pr

Reference Standard 4B Speaker System

Floor-standing 3-way speaker designed for min diffraction distortion with two 8" polypropylene woofers with L-C tuning for bass extension, 2" polypropylene dome midrange, EMIT tweeter. Features hand-rubbed oak hardwoods and veneers. FR 40-32,000 Hz ± 3 dB; crossovers 1 and 4 kHz; power range 40-150 W; imp 4-8 ohms; 42" H x 14 1/2" W x 10 1/4" D \$1,078/pr
Reference Standard 5B. Same as 4B except FR 43-32,000 Hz ± 3 dB; power range 35-160 W; 24 1/2" H x 15 1/2" W x 9 1/2" D \$838/pr

Reference Standard 6B Speaker System

Floor-standing or bookshelf 3-way speaker with 8" polypropylene woofer, 2" polypropylene dome midrange, EMIT tweeter. Features hand-rubbed oak hardwoods and veneers. FR 45-32,000 Hz ± 3 dB; crossovers 600 and 4 kHz; power range 35-100 W; imp 4-8 ohms; 22" H x 13 1/2" W x 10" D \$638/pr

RS Series Speakers

RS-7B. Sealed-box 3-way speaker with 8" polypropylene woofer, 5" midrange, EMIT tweeter. Features midrange, tweeter controls; oak-vinyl finish. FR 45-32,000 Hz ± 3 dB; crossovers 500 and 5k Hz; power range 35-125 W; imp 4-8 ohms; 23" H x 13" W x 9 1/2" D \$436/pr

RS-8B. 3-way, sealed box with 6 1/2" polypropylene woofer, 4 1/2" polypropylene midrange and 3/4" Polycell tweeter. 47-22,000 Hz ± 3 dB; imp 4-8 ohms; 23" H x 12" W x 9 1/2" D \$356/pr

RS-9B. Has two 6 1/2" polypropylene woofers, Polycell dome tweeter, no controls. FR 48-22,000 Hz; crossover 2.5k kHz; 18" H x 12" W x 9 1/4" D \$220/pr

RS-10B. Smaller version of RS9. 6 1/2" polypropylene woofer and 3/4" polycell tweeter. 13 1/2" H x 8 3/4" W x 7 1/4" D \$170/pr

RS 11 (eleven). Bookshelf box speaker with 4" polypropylene cone woofer; 1.5" polypropylene cone tweeters. FR 75-23,000 Hz ± 3 dB; power range 8-50 W; sens 87 dB SPL/W/m; imp 4 ohms; oak vinyl; 6.5 lbs. 5 1/4" W x 12 H x 7 1/2" D \$116/pr

Infinitesimal III Speaker

Die-cast 2-way mobile or home speaker with 5" polypropylene woofer, EMIT tweeter. Accessory bracket available. FR 65-32,000 Hz ± 3 dB; crossover 3 kHz; power range 10-60 W; 11 1/4" H x 6 3/4" W x 5 3/4" D \$398/pr

ES Series Speakers

ES 103. Floor-standing high efficiency speaker with 12" flat-piston passive radiator; 10" cone woofer; 2" polypropylene dome midrange; 1" polypropylene dome tweeter. FR 45-22,000 Hz ± 3 dB; power range 15-200 W; sens 92 dB SPL/W/m; imp 8 ohms; 48 lbs. 18 W x 38 H x 6 1/2" D \$619/pr

ES 83. Floor-standing high-efficiency speaker with 10" flat-piston passive radiator; 8" cone woofer; 2" polypropylene dome midrange; 1" polypropylene dome tweeter. FR 50-22,000 Hz ± 3 dB; power range 15-150 W; sens 92 dB SPL/W/m; imp 8 ohms; 43 lbs. 18 W x 34 H x 6 1/2" D \$518/pr

ES 82. Floor-standing high-efficiency speaker with 10" flat-piston passive radiator; 8" cone woofer; polypropylene dome tweeter. FR 60-22,000 Hz ± 3 dB; power range 15-130 W; sens 92 dB SPL/W/m; imp 8 ohms; 30 lbs. 14" W x 27 H x 6 1/2" D... \$350/pr

INNOVATIVE AUDIO

D24 MK2 Speaker

Floor-standing asymmetric transmission-line speaker. Features two 5" bextrene cone woofers; 1 1/2" mylar dome midrange; 1" mylar dome tweeter. FR 30-20,000 Hz ± 3 dB; power range 10-80 W; ses 90 dB SPL/W/m; imp 8 ohms; walnut, black, oak; 55 lbs; 10 1/2" W x 36 1/4" H x 15 1/2" D \$1,000/pr

INNOVATIVE TECHNIQUES

ITC 1 Speaker

Ported (seventh-order alignment) speaker for use on matching stands. Features top mounted woofer/low-midrange driver; includes bass distortion reducer, low-level electronics unit which reduces Doppler and phase distortion, extends bass response as required by 7th-order alignment, protects bass driver from below pass-band signals; sep level controls for midrange and tweeter. Features cone woofer; dome midrange; dome supertweeter. FR 50-18,000 Hz ± 3 dB; min power 20 W, max power 150 W; sens 86 dB SPL with 1/W/m; imp 8 ohms; walnut, oak finish; 16 lbs; 7 1/4" W x 12 1/4" H x 8" D \$800
 With stands \$900

ITC 2 Speaker

Box (2nd-order alignment) speaker intended for floor placement. Features top mounted woofer/low-midrange driver with level control on HF driver. Contains 8" cone woofer; dome tweeter. FR 50-16,000 Hz ± 3 dB; min power 15 W, max power 200 W; sens 89 dB SPL wpm; imp 8 ohms; walnut/oak finish; 35 lbs; 9 1/2" W x 31" H x 9 1/2" D \$670

INTERAUDIO by BOSE

SA 1000 Speaker

Floor-standing ported speaker with dual-chamber enclosures for extended low frequency response. Features auto tweeter overload protection; high efficiency tweeter with wide-angle lens; 5-year transferrable warranty; removable grille; push-type connections. Contains 10" subwoofer; 6" cone woofer; 3" cone tweeter; min power 15 W, max power 200 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut grain vinyl finish \$858/pr

SA 500 Speaker

Dual-ported floor-standing speaker with first-order crossover. Contains 10" cone woofer; 3" cone tweeter with lens. min power 15 W, max power 150 W; sens 91 dB SPL/W/m; imp 8 ohms; walnut grain vinyl finish; 22.5 lbs/ea; 13 1/4" W x 22 1/4" H x 11 1/4" D \$538/pr

SA 200 Speakers

Single-ported bookshelf speaker with two-way design and first-order crossover network; auto tweeter-overload protection with front panel indicator. High efficiency tweeter with wide-angle lens. Features removable grille cloth assembly; push-type connection system; full 5-year transferrable warranty; 6-layer voice coil woofer and computer-designed port system for deep bass. Contains 6" cone woofer; 3" cone tweeter with lens. Min power 10 W, max power 75 W; sens 90 dB SPL/W/m; imp 8 ohms \$278/pr
SA 300. With 8" woofer; power range 15-100 W; 11 1/4" W x 18 1/4" H x 9" D; 15.5 lbs ea \$338/pr

JAMO

Professional Line Series

CBR-200. Floor placement ported speaker with front midrange/tweeter SPL controls. Features 10" cone woofer; 5" cone midrange; 1" dome tweeter. FR 25-24,000 Hz ± 3 dB; minimum power 2 W; max power 300 W; sens 94.4 dB SPL/W/m; imp 8 ohms \$1200/pr

CBR-120. Floor placement ported speaker with front midrange SPL control. Features 8" cone woofer; 4" cone midrange; 1" dome tweeter. FR 28-20,000 Hz ± 3 dB; minimum power 2.5 W; max power 180 W; sens 93.4 dB SPL/W/m; imp 8 ohms. 40 lbs; walnut finish \$800/pr

CBR-90. Floor placement ported speaker with front midrange SPL control. Features 6.5" cone woofer; 4" cone midrange; 1" dome tweeter. FR 35-20,000 Hz ± 3 dB; minimum power 3.4 W; max power 130 W; sens 92.8 dB SPL/W/m; imp 8 ohms \$540/pr

CBR-70. Floor placement ported speaker. Features 5" cone woofer; 3" cone midrange; 1" dome tweeter. FR 40-20,000 Hz ± 3 dB; minimum power 3.5 W; max power 100 W; sens 92.2 dB SPL/W/m; imp 8 ohms. 15.5 lbs; walnut finish \$300/pr

Power Line Series

566. Features 12" woofer; 2" horn midrange; five 1" horn tweeters; midrange/tweeter sound pressure control; midrange/tweeter overload diode. Peak power 500 W/RMS; continuous power 350 W/RMS; sens 97 dB SPL/W/m; FR 22-20,000 Hz; crossover 1,200-3,500 Hz; imp 8 ohms. 75 lbs... \$1180/pr

366. Features 9 1/2" woofer; 1" horn midrange; 1" horn tweeter; midrange/tweeter sound pressure control; midrange/tweeter overload diode. Peak power 350 W/RMS; continuous power 200 W/RMS; sens 96 dB SPL/W/m; FR 22-20,000 Hz; crossover 1,250-5,000 Hz; imp 8 ohms. 48.5 lbs \$740/pr

266. Features 8 1/2" woofer; 1" horn midrange; 1" horn tweeter; midrange/tweeter overload diode. Peak power 200 W/RMS; continuous power 150 W/RMS; sens 95.2 dB SPL/W/m; FR 25-20,000 Hz; crossover 1,400-4,800 Hz; imp 8 ohms. 33 lbs \$520/pr

166. Features 8 1/4" woofer; 1" horn tweeter; tweeter overload diode. Peak power 150 W/RMS; continuous power 100 W/RMS; sens 94.2 dB SPL/W/m; FR 30-20,000 Hz; crossover 2,500 Hz; imp 8 ohms. 19.8 lbs \$332/pr

Scan Line Series

SL-150. 2-way bass reflex speaker with 6 1/2" woofer and 1" tweeter. Features tweeter overload diode; tweeter sound pressure control. Peak power 140 W/RMS; continuous power 100 W/RMS; sens 91.4 dB SPL/W/m; FR 32-20,000 Hz; crossover 3,800 Hz; imp 8 ohms. 28.6 lbs \$500/pr

SL-140. 3-way bass reflex speaker with 8" woofer, 5" midrange and, 1" dome tweeter. Peakpower 200 W/RMS; continuous power 130 W/RMS; sens 92.6 dB SPL/W/m; FR 30-20,000 Hz; crossover 1,400-4,000 Hz; imp 8 ohms. 18 lbs \$340/pr

SL-100. 3-way bass reflex speaker with 6 1/2" woofer, 5" midrange, and 1" dome tweeter. Peak power 120 W/RMS; continuous power 90 W/RMS; sens 92.2 dB SPL/W/m; FR 35-20,000 Hz; crossover 1,500-4,000 Hz; imp 8 ohm. 15 1/2 lbs \$260/pr

SL-80. 2-way bass reflex speaker with 6 1/2" woofer and 1" dome tweeter. Peak power 100 W/RMS; continuous power 70 W/RMS; sens 91.5 dB SPL/W/m; FR 40-20,000 Hz; crossover 2,500 Hz; imp 8 ohms. 9 1/2 lbs \$200/pr

Compact Line Series

C90. Bookshelf ported speaker with 8" cone woofer, 3 1/4" cone midrange, and 1" dome tweeter. FR 40-20,000 Hz ± 3 dB; minimum power 2.9 W; max power 120 W; sens 91.6 dB SPL/W/m; imp 8 ohms. 10 lbs; black finish \$200/pr

C70. Bookshelf ported speaker with 6.5" woofer and 1" dome tweeter. FR 45-20,000 Hz ± 3 dB; minimum power 2.9 W; max power 100 W; sens 90 dB SPL/W/m; imp 8 ohms. 8.5 lbs; black finish \$160/pr

C50. Bookshelf ported speaker with 4" cone woofer and 2" cone tweeter. FR 70-20,000 Hz ± 3 dB; minimum power 2.9 W; max power 60 W; sens 89 dB SPL/W/m; imp 4 ohms. 5 lbs; black finish \$100/pr

JBL

L Series

L250 Speaker

Floor-standing 4-way speaker with 14" woofer, 8" midwoofer, 5" midrange, 1" tweeter. Features bus-

bar midrange, high, ultra-high level adjustment; high-resolution crossover network; walnut or black finish; choice of removable fabric grille colors. Crossovers 400, 1.6k, 4.5k Hz; max power 400 W; sens 90 dB SPL/W/m; imp 8 ohms; 52" H x 22 1/2" W x 14 1/2" D; 135 lb. Walnut or black finish \$3,000/pr

L150A Speaker

Floor-standing 3-way speaker with 12" woofer, 12" passive radiator, 5" midrange in isolated chamber, 1" dome radiator. Features midrange, tweeter level controls; compressed wood cabinet with American black walnut veneer finish; brown, rust, or camel grille. Crossovers 1.1 and 3.7 kHz; power range 10-300 W continuous; sens 89 dB SPL/W/m; 41 1/2" H x 17" W x 13" D; 83.5 lb \$1,500/pr

L112 Speaker

Ducted-port 3-way bookshelf speaker with 12" woofer, 5" midrange, 1" dome tweeter. Features mirror-imaged pairing; oiled-walnut finish; brown grille. Crossovers 1.1 and 3.7 kHz; power range 10-300 W continuous; imp 8 ohms; 24 1/2" H x 14 1/2" W x 13" D \$1,100/pr

L100T Speaker

Three-way floor-standing loudspeaker. Features 12" Aquaplas laminate low frequency transducer; 5" high-polymer laminate mid-frequency transducer; 1" pure



titanium diaphragm high-frequency transducer. Max power 200 W continuous, 800 W peak; crossover 800 Hz and 4,500 Hz; sens 91 dB SPL 2.83 V at 1 meter. Oiled hardwood veneer; 36 1/2" H x 16" W x 13 1/2" D; 70 lbs \$1050/pr

L96 Speaker

Ported 3-way bookshelf speaker with 10" woofer, 5" midrange, 1" tweeter. Features midrange, tweeter level controls; oiled-walnut finish; removable brown cloth grille. Crossovers 1.1 and 3.7 kHz; max power 250 W; sens 87 dB SPL/W/m; imp 8 ohms; 23 1/2" H x 14 1/2" W x 11 1/2" D \$850/pr

L80T Speaker

Three-way floor-standing loudspeaker. Features 10" Aquaplas laminate low frequency transducer; 5" polymer laminate mid-frequency transducer; 1" pure titanium diaphragm high frequency transducer. Power handling: 150 W continuous, 600 W peak; crossover 800 Hz and 4,500 Hz; sens 90 dB SPL 2.83 V at 1 meter. Oiled hardwood veneer; 33 1/2" H x 14" W x 11 1/2" D; 53 lbs \$790/pr

L86 3-Way Loudspeaker

Speaker with 8" bass driver; 5" midrange and lightweight dome tweeter; recommended amp power 10-200 W; nominal imp 8 ohms; crossover frequencies 800 Hz, 3,700 Hz; sens 88 dB SPL/W/m; 2 1/2" x 13" x 10"; 35 lb \$590/pr

L60T Speaker

Two-way floor-standing loudspeaker. Features 8" high-polymer laminate low frequency transducer; 1" pure titanium high-frequency transducer. Power handling: 120 W continuous, 400 W peak; crossover 2,500 Hz; sens 89 dB SPL 2.83 V at 1 meter. Oiled

hardwood veneer; 30 1/2" H x 12" W x 10" D; 38 lbs \$530/pr

L56 Speaker

Ported 2-way bookshelf speaker with 10" woofer, 1" tweeter. Features oiled-walnut finish; removable brown grille. Crossover 2.2 kHz; power range 10-150 W; sens 90 dB SPL/W/m; imp 8 ohms; 22 1/2" H x 14" W x 11 1/2" D; 44 lb \$530/pr

L46 Speaker

Ported 2-way speaker with 8" woofer, 1" tweeter. Features oiled-walnut finish; removable brown grille. Crossover 3 kHz; power range 10-100 W; sens 88 dB SPL/W/m; imp 8 ohms; 20 1/2" H x 12 1/2" W x 10 1/2" D; 29 lb \$398/pr

L20T Speaker

Two-way bookshelf loudspeaker. Features six 1/2" filled polypropylene low-frequency transducers; 1" pure titanium diaphragm high-frequency transducer. Power handling: 100 W continuous; 400 W peak; crossover 3,000 Hz; sens 88 dB SPL 2.83 V at 1 meter. Oiled hardwood veneer; 9 1/2" H x 14 1/2" W x 8 1/2" D; 36 lbs \$390/pr

L15 Bookshelf Speaker

Ported 2-way bookshelf speaker with 6 1/2" woofer, 1" tweeter. Features oiled-walnut finish; removable brown grille. Crossover 2.5 kHz; power range 10-100 W; sens 87 dB SPL/W/m; imp 8 ohms; 14 1/2" H x 9 1/2" W x 7 1/2" D; 35 lb \$338/pr

4312 Monitor Speaker

Ported bookshelf 3-way speaker with 12" woofer, 3" midrange, 1.4" tweeter. Features midrange, tweeter level controls; American black walnut cover finish; removable grille. Crossovers 1.5 and 6 kHz; power range 10-200 W; sens 91 dB SPL/W/m; imp 8 ohms; 23 1/2" H x 14 1/2" W x 11 1/2" D; 52 lb \$1090/pr

LT-1 Mini Loudspeaker

Mini speaker with 5 1/4" woofer; 1" dome radiator and high-resolution dividing network. Can be mounted in automobile rear decks, vans, mobile homes and boats; recommended amp power 5-50 W; nominal imp 4 ohms; crossover frequency 2,000 Hz; sens 86 dB SPL/2.83 V/m \$395/pr

B-380 Bass System

Bass system with 15" bass driver and 4" ribbon wire voice coil in a vented alignment. Features hand-crafted oiled American black walnut veneer cabinet; biamp option with BX63A; max recommended amp power 600 W continuous sine wave; crossover frequency 63 Hz; sens 90 dB; 27 1/2" x 20 1/2" x 17" \$595/ea

B460 Bass/Subwoofer

Bass system consists of JBL Model 2245H 18" driver mounted in vented enclosure of 8 cubic feet; the combination is third-order quasi-Butterworth. Features die-cast aluminum frame; integrally stiffened cone with foam surround; edge-wound voice coil 4" diameter and nearly 1" long; individually machined magnetic pole piece and back plate; cone coated with aquaplas damping formulation for optimum mass and density; driver features large high-flux symmetrical-field-geometry magnetic structure to reduce second-harmonic distortion; enclosure is density compressed wood, 1" thick and heavily braced. Min recommended amp power 200 W continuous wave; normal imp 8 ohms; crossover frequency 63 Hz (external crossover); sens 94 dB SPL; magnetic assembly weight 20 lb; 24 1/2" H x 38 1/2" W x 24 1/2" D; shipping weight 125 1/2" lb \$1,500/ea

TLX Series

4312 Monitor Speaker

Ported bookshelf 3-way speaker with 12" woofer, 3" midrange, 1.4" tweeter. Features midrange, tweeter level controls; American black walnut finish; removable grille. Crossovers 1.5 and 6 kHz; power 10-200 W; sens 91 dB SPL/W/m; imp 8 ohms; 23 1/2" H x 14 1/2" W x 11 1/2" D; 52 lbs \$910/pr

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NORESCO CANADA INC.
Toronto, Ontario

J350A Loudspeaker

Passive-radiator speaker designed for floor placement. Features titanium laminate TLX dome tweeter with acoustic "Contact lens"; laminated high polymer midrange and low-frequency drivers; linear efficiency design delivers high efficiency across whole bandwidth; multiple-element high-resolution dividing network; in-line driver array; floating grille. Drivers are 10" cone woofer; 5" cone midranges; 1" titanium laminate dome tweeters. Min power 10 W, max power 150 W; sens 91 dB SPL/W/m; imp 8 ohms; available in oak vinyl; 65 lbs. 18 1/4" W x 38 1/8" H x 12 1/2" D \$640/pr

J325A. Similar to J350A except ported enclosure; 42 lbs; 15 1/4" W x 26" H x 9 1/4" D \$460/pr

J320A. Similar to J350A except ported enclosure, 8" cone woofer; 5" cone midrange; 1" dome tweeter; power range 10-125 W; sens 91 dB SPL/W/m; 36 lbs. 12 1/4" W x 23" H x 9 1/4" D \$380/pr

J220A. Similar to J350A except ported enclosure; no midrange driver; 8" cone woofer; 1" titanium-laminate dome tweeter. Power range 10-100 W; sens 90 dB SPL/W/m; 35 lbs. 13 1/4" W x 22" H x 9 1/4" D \$300/pr

J216A. Similar to J350A except ported enclosure, no midrange driver; 6 1/2" cone woofer; 1" titanium-laminate dome tweeter. Power range 10-75 W; sens 89 dB SPL/W/m; 19 lbs. 10" W x 14 1/4" H x 9 1/4" D \$200/pr

BX63A Dividing-Summing Network

Electronic dividing-summing network designed to match characteristics of JBL B380 and B460 subwoofers. Features active low-pass filter with crossover frequency continually adjustable from 63 to 125 Hz. Passive high-pass will bridge stereo amp to provide single-ch drive. Provides proper voltage drive for JBL B380 or B460 subwoofers, adjustable imp compensation for different amps. S/N 95 dB; THD 0.01%; max outputs 18 dBV (10,000 ohm output load); IMD SMPTE 0.01%; 2 lbs; 5 1/2" W x 1 1/4" H x 7 1/2" D \$350

Ti Series**250 Ti Speaker**

Four-way floor-standing 14" loudspeaker. Features ultra low mass pure titanium diaphragm high-frequency transducer; SFG magnetic structure and polypropylene mid-frequency transducer. Max power 400 W; nominal imp 8 ohms; crossover 400 Hz, 1,400 Hz, 5,200 Hz; sens 90 dB SPL 2.83 V at 1 meter. Hand oiled Burmese teak; 52" H x 22 1/2" W x 14 1/4" D; 126 lbs \$3,396/pr

240 Ti Speaker

Three-way floor-standing 14" loudspeaker. Features ultra-low-mass pure titanium diaphragm high-frequency transducer; SFG magnetic structure; polypropylene mid-frequency transducer. Max power 300 W/ch; nominal imp 8 ohms; crossover 900 Hz, 4,000 Hz; sens 89 dB SPL 2.83 V at 1 meter. Hand-oiled Burmese teak; 36 1/8" H x 18" W x 12" D; 85 lbs \$1,682/pr

120 Ti Speaker

Three-way 12" loudspeaker. Features ultra-low-mass pure titanium diaphragm high-frequency transducer; SFG magnetic structure; polypropylene mid-frequency transducer. Maximum power 250 watts per channel; nominal impedance 8 ohms; crossover 900 Hz, 4,000 Hz; sens 89 dB SPL 2.83 volts at one meter. Hand-oiled Burmese teak; 24 1/2" H x 14 1/2" W x 11" D; 54 lbs \$1,116/pr

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

18 Ti Speaker

Two-way 6 1/2" loudspeaker. Features ultra-low mass pure titanium diaphragm high-frequency transducer; SFG magnetic structure; polypropylene low-frequency transducer. Max power 200 W/ch; nominal imp 8 ohms; crossover 3,000 Hz; sens 88 dB SPL 2.83 V at 1 meter. Hand-oiled Burmese teak; 14 1/4" H x 9 1/4" W x 7 1/8" D; 17 1/2 lbs \$268/pr

JENSEN**Concert Series Speakers**

1230. Acoustic-suspension 3-way speaker with 12" woofer, 5" midrange, 3" direct-radiator tweeter. Features walnut-grain vinyl finish; black cloth grille. FR 56-21,000 Hz; crossovers 3.5 and 10 kHz; power range 10-70 W continuous; imp 8 ohms; 27" H x 16 1/8" W x 11 1/8" D \$398/pr

1030. Similar to 1230 except has 10" woofer. Low-end response 58 Hz; power range 10-60 W; 24 1/2" H x 15" W x 10 1/8" D \$338/pr

820. Similar to 1030 except 8" woofer, no midrange driver; crossover 3.5 kHz; power range 10-50 W; 20 1/8" H x 11 1/4" W x 9 1/4" D \$238/pr

JOHN BOWERS**Active 1 Speaker**

Floor placement ported speaker with built-in amp (200 W/bass unit, 100 W/high frequencies) and power overload protection circuit. Features two 6" cone midranges; 1" dome tweeter. FR 45-18,000 Hz \pm 2 dB; imp 8 ohms. 10" W x 34" H x 14" D; walnut, black ash, rosewood finish \$2,995/pr

JSE**Infinite Slope Model 1 Loudspeaker**

Sealed floor-standing speaker featuring Infinite Slope crossover and patented Phase Shift Bass Loading. Front of speaker angled 15°. Two cone woofers 6.5", 8"; 28 mm dome tweeter. Available in oak, walnut, black lacquer. FR 40-18,000 Hz \pm 2 dB; power range 20-150 W; imp 8 ohms; sens 90 dB SPL/W/m; 31" H x 13" W x 14.5" D at bottom, 6" D at top; 60 lbs \$899/pr

Model 2. Similar to above except has cone woofers of 12" and 10", with 6.5" cone and 2" dome midranges, 21 mm dome tweeter. Front of speaker angled 8°. FR 25-24,000 Hz \pm 2 dB; power range 50-350 W; sens 90 dB SPL/W/m; imp 8 ohms; 47" H x 18" W x 16" D at bottom, 11" D at top; 150 lbs \$2,195/pr

Infinite Slope Model .6 Speaker

Floor-standing ported speaker with infinite slope crossover 100 dB octave. Features 8" cone woofer; 1" dome tweeter. FR 40-20,000 Hz \pm 3 dB; power range 5-150 W; sens 91 dB SPL/W/m; imp 8 ohms; walnut, oak, black lacquer finish; 11" W x 23" H x 13" D; 35 lbs \$579/pr

JVC**SXA5 Speaker**

Floor placement 4-way, 5-speaker system with passive radiator. Features 9 1/4" x 13 1/4" flat diaphragm passive rad.; two 3" cone x 2 rearspeakers; 8" cone woofer; 1 1/4" soft dome midrange; 1" soft dome tweeter; built-in protection circuit. FR 25-23,000 Hz; power handling capacity 150 W, 240 W (music); sens 89 dB SPL/W/m; imp 6 ohms. 15 1/8" W x 31 1/8" H x 10 1/4" D; 38.6 lbs \$500/pr

KEF**KM-1 Monitor Loudspeaker**

Monitor speaker designed to produce high sound-pressure levels without sacrificing sonic accuracy. Includes integral power amp with 2 power supplies and output sections producing a max output > 1,200 W. Features 3-way dividing/equalizing network fed from separate power supply; floating input circuit; S-type soft-clipping limiter; full electronic overload protection. Sound-pressure level on peaks of 120 dB under typical listening conditions; FR 30-20,000 Hz \pm 2

dB; S/N > 100 dB; 2nd and 3rd harmonic distortion < 1.0% 20-20,000 Hz (measured at 1 m on axis at mean SPL of 96 dB under anechoic conditions); volume compression < 1 dB 20-20,000 Hz to 120 dB; input imp 20 kohms balanced; input sens 0.774 V nominal (0 dB), adjustable in 2 dB steps from -20 dBm to +12 dBm for full output. 264 lbs (120 kg); 30.5" H x 52.75" W x 26" D \$28,000/pr

Model 105.2 Speaker

Floor-standing 3-way speaker with min inter-unit time delay. Flat FR 38-22,000 Hz. Features visual indication of optimum listening area; variable system geometry extends choice of listening position; contoured midrange, tweeter cabinets reduce off-axis coloration; novel bass-loading technique; electronic protection (S-STOP) against overload, fault conditions; peak level indicator; pairing of systems for sens, FR match to within 0.5 dB. Max output 107 dB SPL on program peaks; THD < 1%, 20-20,000 Hz; 965 mm H x 415 W; 80 lb \$2,800/pr

104/2 Speaker

Floor-standing speaker with cone woofers vertically aligned, coupled-cavity bass loading technique, chassis-less drivers, conjugate load matching. Two 8" cone woofers, two 4 1/4" cone midranges and 1" ferrofluid-cooled dome tweeter. FR 55-20,000 Hz \pm 2 dB; power range 25-200 W; sens 92 dB SPL/W/m; imp 4 ohms; walnut, black ash, rosewood finish; 11" W x 35 1/2" H x 16 3/8" D; 70.5 lbs \$1,600/pr

Model 103.2 Speaker

Floor-standing 2-way speaker with novel bass loading; S-STOP protection; pairing of systems for sens, FR match to within 0.5 dB. FR flat 60-20,000 Hz; SPL output 106 dB on program peaks; THD < 1%, 50-20,000 Hz; imp 8 ohms; 506 mm H x 265 W x 249 D; 19 lb \$900/pr

Carlton III Speaker

Two-way floor-standing loudspeaker fitted with a passive bass radiator which extends low frequencies down to 47 Hz, and a computer-designed "seamless" dividing network which eliminates phasing. Frequency response 47-20,000 Hz \pm 2.5 dB; maximum output of 106 dB; THD < 1% from 60-20,000 Hz; nominal impedance 8 ohms; 26.21 lbs.; 27 1/2" H x 12 1/2" W x 11" D \$650/pr

Model 101 Speaker

Acoustic-suspension 2-way speaker with 110-mm woofer, milinex dome tweeter. Features teak/walnut cabinet; black/brown cloth grille. FR 90-30,000 Hz \pm 2 dB; sens 81 dB SPL/W/m; input range 20-100 W; imp 8 ohms; 340 mm H x 190 D x 180 W \$590/pr

Carina II Speaker

Two-way compact 3-drive-unit speaker with high-frequency unit mounted between twin bass drivers to provide higher power output and reduced distortion, especially when playing Compact Discs. Features KEF Series 'C' loading technique to extend bass without overloading on infrasonic signals; ferrofluids provide cooling for voice coil eliminating the risk of thermal damage. Frequency response 55-20,000 Hz \pm 3 dB at 2 m on reference axis; maximum output 108 dB; THD < 1% 70-20,000 Hz; nominal impedance 8 ohms; 80 watts program rating; 20.7 lbs; 23 3/4" H x 11 1/4" W x 10" D \$500/pr

Coda III Speaker

Two-way bookshelf speaker houses 8" woofer; 1" tweeter. FR 60-20,000 Hz \pm 3 dB; power range 10-50 W; sens 87 dB SPL with one watt input measured at one meter; imp 8 ohms; walnut finish; 11" W x 18 1/2" H x 8 1/2" D; 13 lbs \$300/pr

Choral III Speaker

Two-way bookshelf speaker houses 6 1/2" cone woofer and 1" dome tweeter. FR 79-20,000 Hz \pm 3 dB; maximum power 60 W; sensitivity 87 dB SPL with one watt input measured at 1 meter; imp 8 ohms; simulated walnut and black ash finish; 8 1/2" W x 14 1/2" H x 7 1/4" D; 10 1/4" \$225/pr

KENWOOD

LSK-701(W) Speaker

Bookshelf acoustic-suspension 3-way, 3-driver speaker with 12" thermal shock-treated cone woofers; 4 $\frac{1}{2}$ " cone midrange; 2 $\frac{1}{2}$ " tweeter. Max power 160 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut-grain vinyl finish; 14 $\frac{1}{2}$ " W x 26 $\frac{1}{2}$ " H x 10 $\frac{1}{4}$ " D; 24.2 lbs each \$350/pr

LSK-501(W) Speaker

Bookshelf acoustic-suspension 3-way, 3-driver speaker. Features high-strength enclosure with edgeless baffle; 10" thermal shock-treated cone woofer; 4 $\frac{1}{2}$ " cone midrange; 2 $\frac{1}{2}$ " cone tweeter. Max power 130 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut-grain vinyl finish; 14" W x 25 $\frac{1}{2}$ " H x 10 $\frac{1}{4}$ " D; 20.9 lbs each \$305/pr

LSK-301(W) Speaker

Bookshelf acoustic-suspension 2-way, 2-speaker system. Features high strength enclosure with edgeless baffle; 8" woofers; 2 $\frac{1}{4}$ " tweeter. Max power 100 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut grained vinyl finish; 12 $\frac{1}{4}$ " W x 21 $\frac{1}{2}$ " H x 8 $\frac{1}{4}$ " D; 13.2 lbs each \$175/pr

KEVEK by RMI

ES.12 3-Way Speaker

Floor-standing ported speaker. 8-sided cabinet houses 12" cone woofer; 6 $\frac{1}{2}$ " cone midrange; 19-mm dome tweeter. FR 30-20,000 Hz \pm 3 dB; power range 20-300 W; sens 90 dB SPL/W/m; imp 8 ohms; natural or black grilles; 22" W x 49 $\frac{1}{2}$ " H x 11" D; 50 lbs \$1,790/pr

ES.10 Two-Way Speaker

Floor-standing ported speaker. 8-sided slim planar cabinet houses 10" cone woofer, 19-mm dome tweeter. FR 50-20,000 Hz \pm 3 dB; power range 20-200 W; sens 89 dB SPL/W/m; imp 8 ohms; natural or black grilles; 20" W x 40" H x 10 $\frac{1}{2}$ " D; 43 lbs \$1,190/pr

ES.8 Two-Way Speaker

Floor-standing ported speaker. 8-sided cabinet houses 8" cone woofer, 19-mm tweeter. FR 55-20,000 Hz \pm 3 dB; power range 20-150 W; sens 87 dB SPL/W/m; imp 8 ohms; natural or black grilles; 18" W x 31 $\frac{1}{2}$ " H x 10 $\frac{1}{2}$ " D; 31 lbs ... \$900/pr

ESG Two-Way Speaker

Ported speaker with 6 $\frac{1}{2}$ " cone woofer, 19-mm dome tweeter. FR 60-20,000 Hz \pm 3 dB; power range 10-150 W; sens 88 dB SPL/W/m; imp 8 ohms; natural or black grille; 12 $\frac{1}{2}$ " W x 20" H x 8" D; 18 lbs \$595/pr

KINDEL AUDIO

Phantom II b Speaker

Floor-standing passive-radiator speaker designed to take advantage of small woofers in a minimum-phase-error configuration. Features high-frequency control; gold-plated mil-spec binding posts; 8" flat-cone mass-loaded passive radiator; two 5 $\frac{1}{2}$ " bextrene woofers; 1 $\frac{1}{2}$ " dome midrange; $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " ribbon supertweeter. FR 42-25,000 Hz \pm 2 dB; power range 5-75 W; sens 88 dB SPL/W/m; imp 4 ohms; natural or stained solid oak; 18" W x 43" H x 6 $\frac{1}{2}$ " D; 52 lbs \$1,460/pr

P-HOLS Speaker

Floor-standing constant-pressure speaker. Features eight 6 $\frac{1}{2}$ " polypropylene woofers; four 2 $\frac{1}{2}$ " cone tweeters; four $\frac{3}{4}$ " dome supertweeters. FR 30-20,000 Hz \pm 2 dB; power range 5-250 W; sens 94 dB SPL/W/m; imp 8 ohms; natural oak or dark oak; 10" W x 42" H x 11" D; 85 lbs \$995/pr

P-200 MKII Speaker

Sealed box speaker with high-frequency control, binding posts, and low-diffraction grille. Speaker houses two 6 $\frac{1}{2}$ " polypropylene woofers; 2 $\frac{1}{2}$ " cone tweeters; $\frac{3}{4}$ " dome supertweeter. FR 40-20,000 Hz \pm 2 dB;

power range 5-100 W; sens 91 dB SPL/W/m; imp 4 ohms; natural or dark oak; 10" W x 24" H x 10" D; 32 lbs \$530/pr

P-100 MKII Speaker

Sealed box speaker for stand placement. Features high-frequency control; binding posts; low-diffraction grille. 6 $\frac{1}{2}$ " polypropylene woofer; 2 $\frac{1}{2}$ " cone tweeter; $\frac{3}{4}$ " dome supertweeter. FR 40-20,000 Hz \pm 2 dB; power range 5-50 W; sens 86 dB SPL/W/m; imp 8 ohms; natural or dark oak; 9" W x 18" H x 9" D; 21 lbs \$315/pr

P-50mk II Speaker

Sealed box speaker for stand placement. Features high-frequency control; binding posts; low-diffraction grille; 6 $\frac{1}{2}$ " polypropylene woofer; 2 $\frac{1}{2}$ " cone tweeter. FR 50-20,000 Hz \pm 2 dB; power range 5-50 W; sens 85 dB SPL/W/m; imp 8 ohms; oak or dark oak; 8" W x 14" H x 8" D; 16 lbs \$240/pr

KINETIC AUDIO INT'L

Titan® Speaker

Floor-standing 6-way ported speaker. 12" polypropylene cone subwoofer; 12" polypropylene cone woofer; 6.5" polypropylene cone mid/woofer; 3" textile dome midtweeter; 1 $\frac{1}{4}$ " synthetic dome tweeter; $\frac{3}{4}$ " synthetic dome supertweeter. Crossover points 90, 500, 3,000, 7,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 12-22,000 Hz \pm 1.5 dB; min power 35 W, max power 250 W; sens 90 dB SPL/W/m; imp 4 or 8 ohms; 245 lbs; 18" W x 60" H x 22" D \$2,998/pr

Trapezium® Speaker

Floor-standing 5-way ported speaker. 12" polypropylene cone woofer; 6.5" polypropylene cone midrange; 3" textile dome midtweeter; 1 $\frac{1}{4}$ " synthetic dome tweeter; $\frac{3}{4}$ " synthetic dome supertweeter (tweeters have magnetic fluid cooling/damping). Crossover points at 90, 500, 3,000, 7,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 12-22,000 Hz \pm 1.0 dB; min power 45 W, max 200 W; sens 90 dB SPL/W/m; imp 6 ohms; 205 lbs; 16" W x 60" H x 20" D \$2,598/pr

Labyrinth® Speaker

Floor-standing 4-way ported speaker. 12" polypropylene cone woofer; 6.5" polypropylene cone midrange; 3" textile dome midtweeter; 1 $\frac{1}{4}$ " synthetic dome tweeter (both tweeters have magnetic liquid cooling/damping). Crossover points 90, 500, 3,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 16-22,000 Hz \pm 1.5 dB, min power 35 W, max 200 W; sens 91 dB SPL/W/m; imp 6 ohms; 185 lbs; 16" W x 48" H x 18" D \$1,998/pr

Trapezoid® Speaker

Floor-standing 4-way ported speaker. 12" polypropylene cone woofer; 6.5" polypropylene cone midrange; 1 $\frac{1}{4}$ " synthetic dome tweeter with magnetic liquid cooling/damping; $\frac{3}{4}$ " synthetic dome supertweeter with magnetic liquid cooling/damping. Crossover points 90, 2,000, 7,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. Frequency response 18-22,000 Hz \pm 1.5 dB; minimum power 20 watts, max power 200 W; sens

92 dB SPL with one watt input measured at 1 meter; impedance 8 ohms; 115 pounds; 16" W x 40" H x 14" D \$1,198/pr

I/M Impulse® Monitor

Floor-standing 3-way ported speaker. Features 12" polypropylene cone woofer; 6.5" polypropylene cone midrange; 1 $\frac{1}{4}$ " synthetic dome tweeter with magnetic liquid cooling/damping. Crossover points 90, 2,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 18-22,000 Hz \pm 1.5 dB; min power 15 W, max 200 W; sens 93 dB SPL/W/m; imp 8 ohms; 95 lbs; 14.5" W x 26" H x 14" D \$798/pr

Stat® Speaker

Two-way ported speaker. Features 6.5" polypropylene cone woofer; 1 $\frac{1}{4}$ " synthetic dome tweeter with magnetic liquid cooling/damping; crossover point 2,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables. 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 38-22,000 Hz \pm 2 dB; min power 5 W, max 150 W; sens 93 dB SPL/W/m; imp 8 ohms; 30 lbs; 9" W x 15" H x 9" D \$458

Trapezoid® Subwoofer

Floor-standing subwoofer with 12" polypropylene cone driver. May be used with electronic crossover or optional low-loss 4-point passive crossover/low-pass filter, in mirror-image pairs. Features interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 16-2,000 Hz \pm 1.5 dB; min power 25 W, max 350 W; sens 92 dB SPL/W/m; imp 8 ohms; 95 lbs; 16" W x 40" H x 14" D \$398/pr

Stat Subwoofer

Ported subwoofer with 12" polypropylene cone driver. Features interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts; mirror-matched high-grade walnut veneer; black grille with nonresonant frame. FR 18-2,000 Hz \pm 2 dB; min power 15 W, max 350 W; sens 93 dB SPL/W/m; imp 8 ohms; 80 lbs; 14.5" W x 26" H x 14" D \$298/pr

KIRKSAETER

200A Speaker

Floor-standing or bookshelf infinite baffle speaker with two 200 W amplifiers in each speaker. Features built-in electronic crossover; room-matching controls; 12" long excursion woofer; 2" soft-metal dome midrange; 1" titanium-twin magnet tweeter. FR 18-25,000 Hz \pm 5 dB; walnut, mahogany, cherry, teak, dark/black/white/antique/unfinished oak finishes; 13 $\frac{1}{4}$ " W x 22 $\frac{1}{4}$ " H x 10 $\frac{1}{4}$ " D \$1,999/pr

130A Speaker

Bookshelf infinite baffle speaker with two 130 W amplifiers in each speaker. Features electronic crossover; room matching controls; 10" long excursion woofer; 2" dome suprynl midrange; 1" titanium-twin magnet tweeter. FR 20-25,000 Hz \pm 5 dB; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 12 $\frac{1}{4}$ " W x 20 $\frac{1}{2}$ " H x 10 $\frac{1}{4}$ " D \$1,699/pr

100A Speaker

Bookshelf infinite baffle three-way speaker with one 110-watt amplifier in each speaker. Features passive crossover; room matching controls; 8-inch long excursion woofer; 2-inch dome suprynl midrange; $\frac{3}{4}$ " titanium tweeter. Frequency response 22-25,000 Hz \pm 5 dB; walnut, mahogany, teak, cherry, and black/white/antique/dark/unfinished oak finishes; 10 $\frac{1}{4}$ " W x 18 $\frac{1}{2}$ " H x 8 $\frac{1}{2}$ " D \$1,399/pr

Monitor 200 Speaker

Floor-standing or bookshelf infinite-baffle speaker. Features 12" long excursion woofer; 2" soft metal dome midrange; 1" titanium-twin magnet tweeter. FR 20-25,000 Hz ± 5 dB; imp 4/8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 13 $\frac{1}{4}$ " W \times 22 $\frac{1}{2}$ " H \times 10 $\frac{1}{4}$ " D \$1,299/pr

Monitor 130 Speaker

Bookshelf infinite-baffle speaker. Features 10" long excursion woofer; 2" suprynol dome midrange; 1" titanium-twin magnet tweeter. FR 22-25,000 Hz ± 5 dB; power range 10-130 W; sens 93 dB SPL/W/m; imp 4/8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 12 $\frac{1}{2}$ " W \times 20 $\frac{1}{2}$ " H \times 10 $\frac{1}{4}$ " D \$1,000/pr

Monitor 100 Speaker

Bookshelf infinite-baffle speaker. Features 8" long excursion woofer; 2" suprynol dome midrange; $\frac{3}{4}$ " titanium tweeter. FR 28-25,000 Hz ± 5 dB; power range 10-100 W; sens 92 dB SPL/W/m; imp 4/8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 10 $\frac{1}{2}$ " W \times 18 $\frac{3}{8}$ " H \times 8 $\frac{1}{4}$ " D \$680/pr

Monitor 80 Speaker

Bookshelf infinite-baffle speaker. Features 8" long excursion woofer; 1" titanium-twin magnet tweeter. FR 35-25,000 Hz ± 5 dB; power range 10-80 W; sens 93 dB SPL/W/m; imp 4/8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 10 $\frac{1}{2}$ " W \times 18 $\frac{3}{8}$ " H \times 8 $\frac{1}{4}$ " D \$520/pr

SAT-1 Speaker

Bookshelf ported speaker with 4.25" long excursion woofer and $\frac{1}{2}$ " titanium tweeter. FR 68-25,000 Hz ± 5 dB; power range 15-70 W; sens 88 dB SPL/W/m; imp 4/8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 5 $\frac{1}{2}$ " W \times 9 $\frac{1}{4}$ " H \times 7" D \$480/pr

Subwoofer 500

Floor-standing infinite-baffle subwoofer with an impulse power of 500 W. Features built-in adjustable electronic crossover (80, 120, 150 Hz); volume control; 12" long excursion subwoofer. FR 20-80, 20-120, 20-150 Hz ± 5 dB; max power 500 W; walnut, mahogany, black/antique/unfinished oak finishes; 14 $\frac{1}{2}$ " W \times 15 $\frac{1}{2}$ " H \times 14 $\frac{1}{2}$ " D \$799

KLIPSCH**Klipschorn Speaker**

Fully horn-loaded 3-way speaker requiring corner placement. Sens 104 dB SPL/W/m; power handling 100 W; FR 35-17,000 Hz ± 5 dB; 52" H \times 31 $\frac{1}{4}$ " W \times 28 $\frac{1}{2}$ " D. Priced depending on finish from approx \$2,800/pr
Belle Klipsch. Fully horn-loaded floor-standing 3-way speaker. Utilizes same drive components as Klipschorn. Sens 104 dB SPL/W/m; power handling 100 W; FR 45-17,000 Hz ± 5 dB; 35 $\frac{1}{4}$ " H \times 30 $\frac{1}{2}$ " W \times 18 $\frac{1}{2}$ " D. Available in exotic woods, priced depending on finish from approx \$2,250/pr
Cornwall. Similar tweeter and midrange drivers (horn loaded) as Klipschorn with 15" woofer in ported enclosure. Sens 98 dB SPL/W/m; power handling 100 W; FR 38-17,000 Hz ± 5 dB; 35 $\frac{1}{4}$ " H \times 25 $\frac{1}{2}$ " W \times 15 $\frac{1}{2}$ " D. Available in exotic woods, priced depending on finish from approx \$1,550/pr
La Scala. Fully horn-loaded 3-way speaker. Similar to Belle Klipsch. 35 $\frac{1}{4}$ " H \times 23 $\frac{1}{2}$ " W \times 24 $\frac{1}{2}$ " D. Priced depending on finish from approx \$1,500/pr
Forté. 3-way speaker with horn-loaded compression drivers for tweeter and midrange, 12" woofer, and 12" passive radiator mounted on rear of cabinet. FR 32-20,000 ± 3 dB; sens 96 dB SPL/W/m; imp 4 ohms. Priced depending on finish from approx \$1,000/pr
Heresy. Same tweeter and midrange drivers (horn loaded) as Cornwall with 12" woofer in sealed en-

sure. FR 50-17,000 Hz ± 5 dB; max handling power 100 W; sens 96 dB SPL/W/m; 21 $\frac{1}{4}$ " H \times 15 $\frac{1}{2}$ " W \times 13 $\frac{1}{8}$ " D; priced depending on finish from approx \$830/pr

Kg⁴ Floor-Standing Speaker

2-way speaker with 12" rear-loaded passive radiator, two 8" polymer-cone woofers, horn-loaded tweeter. FR 38-20,000 Hz ± 3 dB; max power 100 watts; sens 91 dB SPL/W/m; imp 4 ohms; 45 lbs. From approx \$550/pr

kg² Two-Way Speaker

Two-way speaker with rear-mounted passive radiator. Crossover frequency 1,800 Hz. FR 35-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; power handling 65 W; 18 $\frac{1}{4}$ " H \times 11 $\frac{1}{2}$ " W \times 13 $\frac{1}{4}$ " D. From approx \$420/pr

KOSS**Kossfire 160 Speaker**

Vertically aligned 4-driver, 3-bandpass speaker with 12" woofer, 5" midrange, 2.1" tweeters. Features midrange, tweeter level controls; linear-phase, constant-voltage crossover network; pecan veneer over particle-board cabinet-molded rigid grille. FR 30-20,000 Hz; power range 10-100 W/ch; sens 92 dB SPL/W/m; imp 8 ohms; 32 $\frac{1}{2}$ " H \times 15 $\frac{1}{2}$ " W \times 13 $\frac{1}{2}$ " D \$450/pr

Kossfire 110 Speaker

Speaker system with 10" woofer, 1 $\frac{1}{4}$ " magnetic-fluid damped midtweeter, two 1 $\frac{1}{4}$ " tweeters. Features ± 5 -dB tweeter level control; 3-bandpass, 4-driver design; auto-reset circuit-breaker protection; scratch-resistant vinyl-laminate finish; cloth/rigid-foam grille. FR 30-20,000 Hz; power range 10-100 W/ch; imp 8 ohms; 32" H \times 13 $\frac{1}{4}$ " W \times 10 $\frac{1}{4}$ " D \$300/pr

Dynamite M-80 Speaker

Speaker with two 4 $\frac{1}{4}$ " woofers, 1" dome tweeter. Features hand-rubbed walnut-veneer finish. FR 50-30,000 Hz; power range 10-30 W/ch; sens 87 dB SPL/W/m; imp 6 ohms; 12 $\frac{1}{2}$ " H \times 5 $\frac{1}{4}$ " D \times 5 $\frac{1}{4}$ " W \$260/pr

**LINN SONDEK
by AUDIOPHILE SYSTEMS****DMS Isobarik Speaker System**

Isobarik-loading 3-way floor-standing speaker with 12", 9" woofers, 5" midrange, two 1" dome tweeters. FR 25-20,000 Hz ± 1.5 dB; crossovers 375 and 3 kHz; instantaneous dynamic range 54 dB; imp 4 ohms; power range 50-500 W \$2,495/pr

S.A.R.A. Isobarik Speaker System

Isobarik-loading 2-way bookshelf speaker system with two 8" woofers, 1" dome tweeter. Features cast structural foam housing. FR 36-20,000 Hz ± 2 dB; imp 4 ohms; 17" H \times 13" W \times 10" D .. \$995/pr

K.A.N. Speaker System

Acoustic-suspension 2-way bookshelf speaker with 5" woofer, 1" dome tweeter. FR 70-20,000 Hz ± 3 dB; imp 8 ohms; 12" H \times 7 $\frac{1}{2}$ " W \times 6 $\frac{1}{2}$ " D. \$425/pr

INDEX Loudspeaker

2-way floor placement or bookshelf loudspeaker with acoustic suspension. Features 8" KEF B200 cone woofer; 1" dome tweeter; cabinet of full $\frac{3}{4}$ " high density particle board; 50 strand 20 amp cable. FR 60-20,000 Hz ± 3 dB; minimum power 15 W; max power 50 W; sens 87 dB SPL/W/m; imp 8 ohms. 11" W \times 17" H \times 8" D; 17 lbs; available in black woodgrain \$295/pr

MAGNEPAN**Magneplanar Tympani-Iva**

Planar-magnetic speaker with reduced-mass midrange driver. Features 5-ft-long, 2.5-microns-thick transformerless and bipolar aluminum ribbon tweeter; 2 bass panels. Tweeter FR 2,000-50,000 Hz

Magneplanar MG-III Speaker

Floor-standing full-range bipolar panel speaker with planar magnetic and ribbon driver design. Can be bi-amplified. Drivers are 1 planar-magnetic woofer (620" sq.); 1 planar-magnetic midrange (170" sq.); 1 line-source 5" bipolar ribbon tweeter (14.25" sq.). Imp 4 ohms; off-white cloth, oak frame; 55 lbs ea. \$2,225/pr

Magneplanar MG-IIB Speaker

Floor-standing 2-way speaker with Magneplanar[®] woofer, Magneplanar[®] tweeter. Features oak side rails; brown fabric grille. FR 40-18,000 Hz ± 3 dB; power range 25-200 W RMS; imp 5 ohms purely resistive; crossover 400-1,600 kHz at 6 dB/octave; 71" H \times 22" W \times 2" D; 70 lbs \$1,200/pr

Magneplanar MG-IB Speaker

Floor-standing 2-way speaker with Magneplanar[®] woofer, Magneplanar[®] tweeter. Features oak side rails; off-white fabric grille. FR 45-18,000 Hz ± 4 dB; crossover 1.6 kHz; sens 82-dB SPL/W/3 ft; power range 40-200 W RMS; imp 5 ohms purely resistive; 60" H \times 22" W \times 2" D \$850

Magneplanar SMGa Speaker

Full-range 2-way speaker with 0.5-mil diaphragm driven by Magneplanar[®] magnetic field. Features oak side rails; brown fabric grille. FR 50-16,000 Hz ± 4 dB; power range 20-100 W rms; imp 4 ohms purely resistive; crossover 2.4 kHz; 48 $\frac{1}{4}$ " H \times 24 $\frac{1}{4}$ " W \times 1 $\frac{1}{4}$ " D; 70 lbs \$525

MARANTZ**SP 1500 Speaker**

Floor-standing ported speaker. Features 15" woofer; 5" Ferrofluid cone midrange; 3" Ferrofluid cone tweeter; sculptured furniture style cabinet. FR 18-20,000 Hz; max power 150 W; sens 92 dB SPL/W/m; imp 8 ohms; Bartonwood vinyl finish; 18" W \times 32 $\frac{1}{2}$ " H \times 16 $\frac{1}{2}$ " D; 47 lbs \$500/pr

SP 1250 Speaker

Floor-standing ported speaker. Features 12" woofer; 5" Ferrofluid cone midrange; 3" Ferrofluid cone tweeter; sculptured furniture style cabinet. Maximum power range 150 W; sens 90 dB SPL/W/m; imp 8 ohms; Bartonwood vinyl finish; 15" W \times 32 $\frac{1}{2}$ " H \times 11 $\frac{1}{2}$ " D; 33 lbs \$340/pr

SP 1200 Speaker

Floor-standing ported speaker. Features 12" woofer; 4" Ferrofluid cone midrange; 3" Ferrofluid cone tweeter. Maximum power range 150 W; sens 90 dB SPL with one watt input measured at one meter; imp 8 ohms; Bartonwood vinyl finish; 15" W \times 29 $\frac{1}{2}$ " H \times 11 $\frac{1}{2}$ " D; 32 lbs \$300/pr

SP 1000 Speaker

Ported speaker. Features 10" woofer; 4" Ferrofluid cone midrange; 3" Ferrofluid cone tweeter. Maximum power range 110 W; sens 89 dB SPL/W/m; imp 8 ohms; Bartonwood vinyl finish; 13" W \times 27" H \times 11" D; 25 lbs \$240/pr

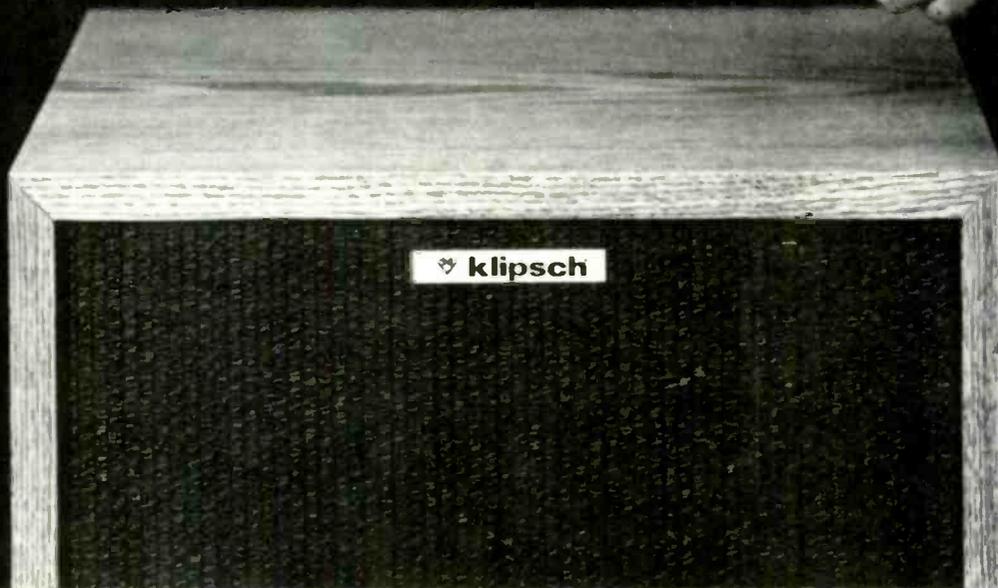
SP 800 Speaker

Ported speaker. Features 8" woofer; 4" Ferrofluid cone midrange; 2" Ferrofluid cone tweeter. Maximum power range 50 W; sens 89 dB SPL/W/m; imp 8 ohms; Bartonwood vinyl finish \$150/pr

MARTIN-LOGAN**The Monolith Speaker**

Floor-standing curvilinear electrostatic panel speaker mounted atop tuned subwoofer box. Designed for wide dispersion without the use of delay lines or lenses. Constant Voltage Crossover provides phase coherency. Electrostatic cell is 2 feet \times 4 feet for 100-22,000 Hz. Polypropylene-cone 12" subwoofer (with 2" voice coil) is down 3 dB at 26 Hz. Frequency response 28-22,000 Hz ± 2 dB; minimum power 30 watts; maximum power 500 watts; sens 90 dB SPL/W/m; imp 8 ohms; oak finish; 25" W \times 75" H \times 13.5" D; 165 lbs ea \$4,850/pr

How To Get Your Money's Worth In Speakers



KLIPSCH HERESY*

Experts agree that speakers are the most important component in your hi-fi system.

Today, no less than 50 companies make and sell speakers – each with as many as six models to choose from. As a result, it can be a time consuming, confusing, laborious task to make the right speaker decision.

A little common sense can help you. Consider these points when you shop:

1. High Sensitivity

The more sensitive a speaker, the louder it will play on a given power level. All things being equal, a sensitive speaker gives your amplifier a higher reserve of power – power it can put to good use with today's digital recordings and expanded dynamic range.

Look for sensitivity ratings of at least 90 dB/SPL. This means a speaker will deliver 90 decibels of sound pressure level, (a normal listening level), to a distance of one meter while operating on one watt of power. KLIPSCH® makes speakers with sensitivity ratings up to 104 dB/SPL.

2. Low Distortion

There are numerous types

of distortion, many of which are irritating, some inaudible. There is little or no agreement as to which forms are most important. So you might as well disregard specifications. The best test is to listen – especially to violins, vocals, and piano. Everything should sound clear and open. The speakers should effortlessly produce loud passages.

3. Digital Readiness

Back up and read points 1 and 2. Any speaker with high sensitivity and low distortion is half way to digital readiness. Another important point is high output capability. How loud will it play without audible distortion?

And finally, what kind of components are in that speaker? For the demands of digital, the more rugged the better. KLIPSCH uses rugged compression drivers mated to specially designed horns. The same components used in professional concert and theatre applications.

4. Quality Of Cabinetry

Face it. You'll probably want your speakers to look as good as they sound. Real wood gives you *natural* beauty and *lasting* value. Accept nothing less.

5. Brand History

For 42 years, KLIPSCH Loudspeakers have been rewarding critical listeners with outstanding musical performance. Many of the early KLIPSCH Loudspeakers are still in use today. KLIPSCH Loudspeakers are also a popular choice for recording artists, recording studios, concert sound companies, and large motion picture theatres – where dependable, quality sound is a necessity and a way of life.

6. Dealer History

The same pride that goes into KLIPSCH products goes into the selection of KLIPSCH dealers. They are known for their professionalism and integrity. To find your nearest authorized KLIPSCH Dealer and to hear a demonstration of the KLIPSCH line, look in the Yellow Pages. Or call toll free, 1-800-223-3527.

Thank you, and good listening.



klipsch®

A Legend In Sound.™

P.O. Box 688 • Hope, Arkansas USA 71801
CIRCLE NO. 37 ON READER SERVICE CARD

Critic's Choice

"The MG-III is a remarkable speaker at any price; at \$2,200* it will be a runaway best seller."

INTERNATIONAL AUDIO REVIEW (U.S.A.)
HOTLINE #31, 1984

"With me, it's now a question of trying to live without them, rather than with them. In other words, I'm 'hooked'."

HI-FI ANSWERS (U.K.)
JULY, 1985

"Here we have a remarkable, true audiophile speaker."

HI-FI NEWS AND RECORD REVIEW (U.K.)
JUNE, 1984

"One of the best sounds at the Riviera (Consumer Electronics Show)."

AUDIO MAGAZINE
MAY, 1985

"Especially with full orchestral music, the MG-III really shows its full potential."

STEREOPLAY (GERMANY)
AUGUST, 1984

"This speaker will be a classic."

HIGH FIDELITY (DENMARK)
JULY-AUGUST, 1984

The Absolute Sound Magazine.

SEE REVIEW IN VOL. 9, NO. 35
AUTUMN, 1984

Magneplanar[®] MG-III

* PLUS FREIGHT

MAGNEPAN

1645 9th Street
White Bear Lake, MN 55110

CIRCLE NO. 39 ON READER SERVICE CARD

Speakers

9

Speakers

CLS Speaker—Shown on front cover

Floor-standing curved Electrostat speaker. Features wide dispersion format for full range reproduction; one Electrostatic cell reproduces all frequencies from 50-22,000 CPS; 2X4 ESL cell; 87 dB 1 watt/meter 30 degree seamless dispersion horizontal; 4' line source vertical; arc-free diaphragm; see-through appearance; FR 50-22,000 Hz ± 2 dB; power range 20-150 W; sens 87 dB SPL/W/m; imp 6 ohms; oak finish; 26" W x 4' 8" H x 2" D; 50 lbs... \$2,450/pr

MERIDIAN by MADRIGAL

M10 Speaker System

Inter-Active design incorporating 4 power amps-3 with 70 W/ch, 1 with 35 W/ch-driving two 5" woofers, two 5-inch midranges, one 2-inch dome tweeter. 3/4-inch birch cabinet of low resonance with rear-loaded passive radiator. Frequency response 33-24,000 Hz; 39" H x 16" W x 18" D cabinet; 70 pounds each; walnut \$4,995/pr
Rosewood finish \$5,395/pr

M2 Speaker System

Ported 2-way integrated speaker with two 5" woofers, 2" tweeter, power supply, 2 power amps in low-resonance cabinet. Features Inter-Active technology; 3/4" A-quality birch plywood cabinet construction; all metal stand with resonance damping available. FR 38-20,000 Hz ± 3 dB; max output 105 dB; 20" H x 15" D x 7" W. Walnut or teak finish; with amps \$1,995/pr
Rosewood finish; with amps \$2,200/pr

M3 Speaker System

Compact Inter-Active 2-way speaker with 5" woofer, 1 1/4" tweeter. Features time-delay correction; power supply; power amps. FR 38-20,000 Hz ± 3 dB; max output 100 dB free-standing, up to 103 dB on shelf; 14 1/2" H x 12" D x 7" W. Walnut, teak, or black ash finish; with amps \$1,350/pr
Rosewood finish; with amps \$1,480/pr

MIRAGE ACOUSTICS by API

750 Speaker

Acoustic-suspension speaker intended for floor placement (with T-2 stand). Reference speaker with extended response, proper low-frequency room loading. Uses exclusive Mirage 3/4" tweeter with integral anti-diffraction treatment, ferrofluid cooling, and high-loss proprietary dome material. Incorporates midrange anti-diffraction treatment for use on T-2 stands. Contains 10" plastic-impregnated cone woofer; 1 5/8" plastic-impregnated cone midrange; 1 3/4" proprietary thermoplastic tweeter. FR 39-20,000 Hz ± 3 dB, 200-20,000 Hz ± 7.5 dB; min power 25 W, max 200 W; sens 91 dB SPL/W/m; imp 8 ohms; available in walnut vinyl or oak veneer; 44 lbs; 12 1/4" x 31 1/2" x 9 1/4" D \$599/pr

650 Speaker

Very high power handling speaker with cast-frame woofer using 1 1/2" voice coil, and exclusive Mirage tweeter with integral anti-diffraction treatment, ferrofluid cooling and proprietary dome material; multi-time constant crossover designed for superb imaging. 10" flat diaphragm passive radiator; 10" plastic-impregnated woofer; 1" proprietary thermoplastic dome tweeter. FR 44-20,000 Hz ± 3 dB; min power 20 W, max 150 W; sens 90 dB SPL/W/m; imp 8 ohms; available in walnut vinyl or oak veneer; 44 lbs; 12 1/4" W x 31 1/2" H x 9 1/4" D \$549/pr

550 Speaker

Acoustic-suspension speaker intended for floor placement. Uses exclusive Mirage 1" tweeter with integral anti-diffraction treatment, ferrofluid cooling, proprietary dome material; polypropylene woofer with high-power-handling voice coil; multi-time constant crossover designed for superb imaging characteristics. 10" polypropylene cone woofer; 1" proprietary thermoplastic dome tweeter. FR 49-20,000 Hz ± 3 dB; min power 15 W, max 120 W; imp 6 ohms; available in walnut vinyl or oak veneer; 43 lbs; 12 1/4" W x 31 1/2" x 9 1/4" D \$449/pr

350 Speaker

Acoustic-suspension speaker uses exclusive Mirage 1" tweeter with high-loss plastic dome, integral anti-diffraction treatment, ferrofluid cooling. Woofer has a plastic impregnated cone for high power-handling. Multi-time constant crossover designed for superb imaging characteristics with high power handling capacity. May be used with Mirage subwoofer (below). Contains 8" plastic-impregnated cone woofer; 1" dome tweeter (proprietary thermoplastic). FR 57-20,000 Hz ± 3 dB; min power 10 W, max 200 W; sens 92 dB SPL/W/m; imp 4 ohms; available in walnut vinyl and oak veneer; 48 lb/pr; 11 1/2" W x 18" H x 8 1/4" D \$299/pr

200 Speaker

Acoustic suspension speaker intended for bookshelf placement. Accurate mini-monitor uses exclusive Mirage 3/4" tweeter with high-gloss plastic dome, ferrofluid cooling, integral anti-diffraction treatment. Woofer incorporates special damping to smooth upper-midrange response. Multi-time constant crossover achieves superb imaging characteristics with high power handling capacity. May be used with Mirage subwoofer (below) to create a 3-piece system. Contains 6 1/2" cone woofer; 3/4" dome tweeter (proprietary thermoplastic). FR 60-20,000 Hz ± 3 dB, 90-20 k ± 1 dB; min power 10 W, max 70 W; sens 89 dB; imp 8 ohms; available in walnut vinyl or oak veneer; 28 lb/pr (box); 10" W x 16 1/2" x 7 1/2" D . \$229/pr

The Subwoofer

Acoustic-suspension subwoofer for floor placement. Totally independent chs, includes passive crossover for use with Mirage bookshelf speakers. Ideal low-frequency room loading. Can be used with other sets. Contains two 10" cone subwoofers. FR 37-300 Hz ± 3 dB; min power 20 W, max 200 W; sens 92 dB; imp 6-10 ohms; available in walnut vinyl and oak veneer; 67.5 lbs; 24 1/4" W x 19 1/4" H x 15 1/4" D \$449/ea

MISSION ELECTRONICS

780 Argonaut Speaker

Infinite baffle double chamber acoustical speakers with matching stands. MDF cabinet construction; 2 woofers operating in tandem. 2 reinforced homopolymer cone woofers; impedance transformer tweeter. FR 35-20,000 Hz ± 3 dB; min power 50 W, max power 200 W; sens 94 dB SPL/W/m; imp 4 ohms; walnut and black; 35 kgs; 270 mm W x 710 H x 300 D \$1,400/pr

770 Freedom Speaker

Bass-reflex floor-standing speaker with matching stands. Features MDF cabinet construction with viscoelastic dampings; 1 reinforced homopolymer cone woofer; 1 25-mm polymere dome ferrofluid tweeter. FR 40-20,000 Hz ± 3 dB; min power 20 W; max power 150 W; sens 92 dB SPL/W/m; imp 8 ohms; black and walnut; 25 kgs pr; 270 mm W x 610 H x 300 D \$799/pr

737 Renaissance Speaker

Two-way speaker features 215-mm polypropylene cone woofer, 19-mm polymer-dome tweeter with ferrofluid; crossover frequency 2,400 Hz. FR 40-20,000 Hz ± 3 dB; nominal imp 8 ohms; power range 20-125 W/ch; sens 90 dB SPL/W/m; 540 mm H x 250 W x 270 D; 19.5 kg/pr; finish black/walnut \$599

707 Speaker

Bass-reflex 2-way speaker with special limestone/polypropylene front baffle board. Features steel-reinforced paper woofer; 210 mm carbon/paper woofer; 19-mm polymer dome (ferrofluid damped) tweeter. FR 50-20,000 Hz ± 3 dB; min power 20 W, max power 100 W; sens 92 dB SPL/W/m; imp 8 ohms; black and walnut; 16 kgs pr; 250 mm W x 470 H x 270 D \$449/pr

700.2 Speaker

Infinite baffle 2-way speaker with 210-mm woofer, 19-mm ferrofluid tweeter. Walnut or black finish. FR

55-20,000 Hz ± 3 dB; power range 15-100 W; imp 8 ohms; sens 91 dB; 460 mm H \times 260 W \times 255 D; 6.5 kg..... \$299/pr

70 Loudspeaker

Features crossover network of full multi-component design; cabinet of medium density fiberboard; constraint layer damped. 19-mm ferrofluid tweeter, 175-mm plastiflex woofer; crossover frequency 2.2 kHz; walnut/black finish. FR 60-20,000 Hz ± 3 dB; nominal imp 8 ohms; recommended power 20-75 W/ch; sens 90 dB SPL/W/m; 350 mm H \times 210 W \times 210 D; 8 kgs/pr..... \$199/pr

7T Loudspeaker Stands. 22" deluxe stands for 70 loudspeakers..... \$59

7M Loudspeaker Stands. 11" deluxe stands for 707 loudspeakers..... \$59

7S Loudspeaker Stands. injection molded stands for 737R, 770F, 780A loudspeakers..... \$59

7S Stand Spikes. For use on 7S loudspeaker stands; adds stability to stands on a carpeted floor; braces speakers to eliminate rocking..... \$25

MITOM INTERNATIONAL

Laser Speakers

R150-MKIII Speaker

Floor placement ported speaker. Features 12" polypropylene cone woofer; 4 1/2" polypropylene midrange; 1" horn-loaded dome tweeter. FR 28-20,000 Hz; minimum power 15 W; max power 150 W; sens 99 dB SPL/W/m; imp 8/4 ohms. 16 1/2" W \times 27 1/2" H \times 11 1/2" D; 40 1/2 lbs; lagos hickory finish. Base included..... \$388/pr

R100-MKIII

Floor placement ported speaker. Features 10" polypropylene cone woofer; 4 1/2" polypropylene cone midrange; 1" horn-loaded dome tweeter. FR 38-20,000 Hz; minimum power 15 W; max power 100 W; sens 96 dB SPL/W/m; imp 4/8 ohms. 14 1/2" W \times 27 1/2" H \times 11 1/2" D; 34 lbs; lagos hickory finish. Base included..... \$358/pr

FXT-10MKV Tower Speaker

Floor placement speaker. Features 10" passive rad; 10" polypropylene cone woofer; 1" horn-loaded tweeter. FR 35-20,000 Hz; minimum power 15 W; max power 100 W; sens 92 dB SPL/W/m; imp 8/4/ohms. 14 1/2" W \times 32 1/2" H \times 9 1/2" D; 31 lbs; lagos hickory finish. Base included..... \$338/pr

FXT-8MKV Tower Speaker

Floor placement speaker. Features 8" passive rad; 8" polypropylene cone woofer; 1" horn-loaded dome tweeter. FR 40-20,000 Hz; minimum power 15 W; max power 70 W; sens 90 dB SPL/W/m; imp 8 ohms. 12 1/2" W \times 32 1/2" H \times 9 1/2" D; 27 1/2 lbs; lagos hickory finish. Base included..... \$288/pr

BSM Series

7-MKIII

Floor placement ported speaker. Features 12" polypropylene cone woofer; 4" midrange; 2" tweeter. FR 30-20,000 Hz; minimum power 15 W; max power 100 W; sens 94 dB SPL/W/m; imp 8/4/ ohms. 16 1/2" W \times 24 1/2" H \times 11 1/2" D; 28 1/2 lbs; lagos hickory finish..... \$238/pr

4-MKIII Speaker

Floor-placement ported speaker. Features 10" polypropylene cone woofer; 3" midrange; 2" tweeter. FR 40-20,000 Hz; minimum power 15 W; max power 65 W; sens 92 dB SPL/W/m; imp 8/4 ohms. 14" W \times 24 1/2" H \times 9 1/2" D; 18 1/2 lbs; lagos hickory finish..... \$198/pr

3-MKIII Speaker

Floor placement ported speaker. Features 8" polypropylene cone woofer; 3" midrange; 2" tweeter. FR 48-20,000 Hz; minimum power 15 W; max power 50 W; sens 92 dB SPL/W/m; imp 8/4 ohms. 11 1/2" W \times 24 1/2" H \times 8" D; 16 lbs; lagos hickory finish..... \$178/pr

M&K

SV-200 Tower Speaker

Tower speaker combining elements of S-2B and V-1B (see below) in a single cabinet. 41" H \times 15 1/2" W \times 15 1/2" D; 55 lbs..... \$1,650/pr

Satellite 1B Speaker

Acoustic-suspension 2-way speaker with two 5" polypropylene woofers, two 1" soft-dome tweeters. Features 36 tonal balances through midrange, tweeter character switches; walnut or oak finish; black grille. FR 70-22,000 Hz ± 3 dB; power range 7.5-400 W; imp 4 ohms; 21" H \times 7 1/2" W \times 7 1/2" D; 19 lb..... \$645/pr

Satellite 2B Speaker

Acoustic-suspension 2-way speaker with 6 1/2" polypropylene woofer, 1" soft-dome tweeter. Features selector for 36 tonal balances; midrange, treble character switches; walnut or oak finish; black grille. FR 65-20,000 Hz ± 3 dB; power range 15-100 W; 10 1/2" H \times 7" D \times 6 1/2" W; 9 lb..... \$495/pr

SX-4 Satellites

Acoustic-suspension 2-way speaker with two 5" woofers and two 1" soft dome tweeters. 4 tonal balances available through multiple inputs. Hickory/walnut vinyl or black vinyl finish. FR 70-20,000 Hz ± 3 dB..... \$430/pr

Satellite 3B Speaker

Acoustic-suspension 2-way speaker with 5" polypropylene woofer; 1" soft-dome tweeter. Features selector for 4 tonal balances via multiple inputs; walnut veneer/black finish; black grille; FR 100-20,000 Hz ± 3 dB; power range 15-100 W; 10 1/2" H \times 7" D \times 6 1/2" W; 9 lb..... \$350/pr

SX-7 Satellites

Bookshelf acoustic suspension speaker with circuit breaker protection. Features cast aluminum box with perforated metal grille; 4" paper cone midrange; 1/2" soft dome tweeter. FR 100-20,000 Hz ± 3 dB; min power 5 W; max power 100 W; sens 87 dB SPL/W/M; imp 4 ohms. 4 1/2" W \times 7 1/2" H \times 4 1/2" D; 6 lbs; black finish..... \$195/pr

Subwoofers

V1B Subwoofer

Internally amplified subwoofer with 12" polypropylene driver. Features preamp, power amp inputs; active filtering at 24 dB/octave; with adjustable roll-off point. Walnut or oak finish; black grille. FR 18-125 Hz ± 3 dB; 18 1/2" W \times 17 1/4" H \times 15 1/2" D; 50 lb \$750

V2B. Similar to V1B except less powerful; 43 lb \$600

V3B. Similar to V2B except less powerful and black plastic enclosure; 17 1/2" H \times 17 1/2" W \times 14 1/2" D; 43 lb..... \$500

VX-4 Subwoofer

Internally amplified subwoofer with 12" driver. 50 W continuous power output. Hickory/walnut vinyl finish. Features adjustable low-pass filter; FR 40-125 ± 3 dB..... \$365/ea

VX-7 Subwoofer

Acoustic suspension subwoofer with specially designed 50 W amp and 8" paper cone woofer. FR 50-80 Hz ± 3 dB; max power 50 W internally amplified. 10" W \times 11 1/4" H \times 9 1/2" D; 25 lbs; black vinyl finish..... \$300/ea

Goliath 3B Subwoofer

Acoustic-suspension passive subwoofer with 12" driver, internal crossover network. Black painted finish. FR 135-150 Hz; power range 30-150 W; imp 4 ohms; 17 1/2" H \times 17 1/2" W \times 14 1/2" D; 40 lb..... \$300/ea

Accessories

LP-1S Passive Electronic High-Pass Filter

Line-level electronic high-pass filter for biamping with M&K subwoofers. Available in 8 1/2" front panel or 19"

rack mount. 100 Hz crossover point at 18 dB/octave. With bypass switch..... \$245
Without bypass switch..... \$225

RC-1 Satellite/Subwoofer Remote Control

Allows adjustment of all available tonal characteristics remotely. Features midrange, treble character switches; 100-Hz filter or full-range satellite operation; satellite/subwoofer phase correction; subwoofer level control; 8 1/4" W \times 7 1/4" D \times 2 1/4" H; 3 lb... \$185

Satellite Speaker Stand

Stand for M&K satellite speakers. Allows for permanent attachment of satellite to stand. Walnut/oak veneers, black vinyl finishes..... \$95/pr

V Filter

Plug-in high-pass filter for biamping with M&K subwoofers. 100 Hz crossover at 6 dB/octave. 3 versions to match amplifier input impedance... \$50/pr

MOREL ACOUSTIC

MLP-403 II Speakers

Ported floor-standing speakers with "Variovent." 9" free-edge paper-cone woofer; 3" dome midrange; 1.1" dome tweeter. FR 38-25,000 Hz ± 3 dB; min power 10 W, max power 125 W RMS; sens 90 dB SPL/W/m; imp 4-8 ohms; finished in walnut, teak, or black; 21" H \times 12" W \times 10" D; 26 lbs... \$600/pr

MLP-307 Speakers

Floor-standing ported speakers with "Variovent." Two 9" free-edge paper-cone woofers; 1.1" dome tweeter. FR 33-25,000 Hz ± 3 dB; min power 10 W, max power 200 W RMS; sens 93 dB SPL/W/m; imp 8 ohms; in walnut, teak, or black; 13.5" W \times 23.5" H \times 12.5" D; 32 lbs..... \$600/pr

MLP-202 II Speakers

Acoustic-suspension linear-phase bookshelf speakers. FR 60-28,000 Hz ± 3 dB; min power 10 W, max power 150 W RMS; sens 87 dB SPL/W/m; imp 4-6 ohms; in walnut, teak, or black; 8" W \times 13" H \times 10" D..... \$395/pr

MLP-201 Speaker

Acoustic-suspension bookshelf speaker with 9" free-edge paper-cone woofer, 1.1" dome tweeter. FR 48-20,000 Hz ± 3 dB; power range 10-100 W RMS; sens 87 dB SPL/W/m; imp 8 ohms; walnut finish; 10" W \times 16" H \times 10" D..... \$248/pr

MTX LOUDSPEAKER SYSTEMS

CD15 Loudspeaker

Ported loudspeaker with 1 1/2" voice coil. Features low diffraction bevelled cabinet; horn-loaded 2-piece grille design; 15" cone polypropylene woofer with foam surround; 5" polypropylene sealed back midrange; 1" dome soft textile ferrofluid tweeter. FR 30-20,000 Hz ± 3 dB; minimum power 5 W; max power 300 W; sens 98.5 dB SPL/W/m; imp 4/8 ohms. 18 1/2" W \times 32" H \times 14 1/2" D; 53 lbs; amari walnut woodgrain finish..... \$1,000/pr

CD12 Loudspeaker

Ported loudspeaker with Theil aligned design. Features 1 1/2" voice coil; low diffraction bevelled cabinet; horn-loaded 2-piece grille design; 12" cone polypropylene woofer with foam surround; 5" cone sealed back midrange; 1" dome soft textile ferrofluid tweeter. FR 37-20,000 Hz ± 3 dB; minimum power 5 W; max power 200 W; sens 95.5 dB SPL/W/m; imp 4/8 ohms. 15 1/2" W \times 27" H \times 14" D; 38 lbs; amari walnut woodgrain finish..... \$600/pr

CD10 Loudspeaker

Ported loudspeaker with theil aligned design. Features 1 1/2" voice coil; 2-piece horn-loaded grille design; low diffraction bevelled cabinet; 10" cone polypropylene woofer with foam surround; 1" dome soft textile ferrofluid tweeter. FR 36-20,000 Hz ± 3 dB; minimum power 5 W; max power 120 W; sens 94.5 dB SPL/W/m; imp 4/8 ohms. 15" W \times 24" H \times 10 1/2" D; 32 lbs; amari walnut woodgrain finish... \$400/pr

CD8 Loudspeaker

Ported loudspeaker with Theil aligned design. Features 1" voice coil; 2-piece horn-loaded grille design; low diffraction bevelled cabinet; 8" cone polypropylene woofer with foam surround; 1" dome soft textile ferrofluid tweeter. FR 40-20,000 Hz $\pm 3 \pm 3$ dB; minimum power 5 W; max power 100 W; sens 94.2 dB SPL/W/m; imp 4/8 ohms. 11 $\frac{1}{4}$ " W \times 8 $\frac{1}{2}$ " H \times 8" D; 34 lbs/pr; amari walnut woodgrain finish. \$300/pr

MUSIC AND SOUND IMPORTS**Mas 925 III Speaker**

Floor-standing 3-way speaker with 10" polypropylene cone passive radiator; 8" poly cone woofer; 1 $\frac{1}{4}$ " textile dome tweeter; $\frac{1}{4}$ " textile dome tweeter. FR 30-18,000 Hz ± 3 dB; min power 25 W, max 150 W; sens 91 dB SPL/W/m; imp 8 ohms; natural oak, dark oak veneer finishes; 39 lbs; 23 $\frac{1}{2}$ " W \times 11 $\frac{1}{4}$ " H \times 11 $\frac{1}{4}$ " D. \$699/pr

Diesis Solitaire Speaker

Floor-standing infinite-baffle speaker. Features 150-mm cone woofer; 25-mm soft-dome tweeter. FR 50-20,000 Hz; power range 15-100 W; sens 85 dB SPL/W/m; imp 8 ohms; walnut finish; 10" W \times 18" H \times 10" D; 13.5 lbs. \$499/pr

NAD**30 Speaker**

Floor-standing acoustic-suspension speaker. Features 3-way design; 10" cone woofer; 4" soft dome midrange; 1" soft dome tweeter; speaker response tailored for complementary action of NAD bass EQ circuit; black finish. \$598/pr

NADY SYSTEMS**WTS-1 Speaker**

Portable self-powered speaker with 15 W cordless amplifier. Features 2 channel FM receiver; microphone; miniature body pack stereo transmitter. Speaker houses 6 $\frac{1}{2}$ " woofer; 1 $\frac{1}{2}$ " cone tweeter. 8 $\frac{1}{2}$ " W \times 12 $\frac{1}{4}$ " H \times 7 $\frac{1}{4}$ " D. \$200/system

NEC**RS-100 Speaker**

Floor placement speaker with twin transmission path low-frequency (variably damped) enclosure. Features Poly-Arc adjustable high frequency array; 10" polypropylene passive rad; two 8" polypropylene woofers; 35 mm cambric dome midrange; 1" elliptical dome tweeter. FR 28-18,500 Hz ± 3 dB; min power 25 W; max power 200 W; sens 90 dB SPL/W/m; imp 4 ohms. 14" W \times 42" H \times 16" D; 103 lbs. \$1,500

NELSON-REED**804 (PRO) Speaker**

High power, accurate, non compressing speakers for home or studio use. Features two 8" cone woofers (80-oz magnets); 3" dome midrange (160-oz magnet); $\frac{1}{4}$ " dome tweeter. FR 30-20,000 Hz ± 3 dB; FR with 1204 prowoofer option 16-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms ± 1 ohm; RMS continuous sine wave 100 dB at 10 WRMS; linear continuous power handling noncompressed 112 dB at 320 WRMS; crossover freq 300 Hz, 6,000 Hz; THD at 1,000 Hz .15% at 100 dB, .35% at 110 dB; max acoustic output 120 dB at 500 WRMS; 1,000 W peak. 12" W \times 38 $\frac{1}{4}$ " H \times 14 $\frac{1}{2}$ " D; 75 lbs/ea; walnut, oak finishes. \$2,850/pr

803 Speaker

Accurate lower power handling version of 804. Features slot loaded enclosure; 10" cone woofer; 4" cone tweeter; $\frac{1}{4}$ " dome tweeter. FR 32-20,000 Hz ± 3 dB; max power 250 W; sens 90 dB SPL/W/m; imp 4 ohms ± 1 ohm; crossover freq 300 Hz, 5.5K; 12" W \times 37 $\frac{1}{2}$ " H \times 14 $\frac{1}{2}$ " D. \$1,850/pr

5-02/1202 Speaker System. Combination of 5-02 and TW 1202 speaker systems. \$1,350

1204 Subwoofer System

Subwoofer system which must be used with active crossover AC 1204. Features closed box enclosure; four 12" driver per box; FR 16,000 Hz ± 3 dB, 10 Hz-45 dB; cross over with dual slope band pass filtering 65 Hz. 18" W \times 38 $\frac{1}{4}$ " H \times 18" D. \$1,200/ea AC 1204. Active crossover for use with 1204. \$475/ea

802 Speaker

Accurate 3-way speaker system. Features ported enclosure; 8" cone woofer; 4" cone midrange; $\frac{1}{4}$ " dome tweeter. FR 32-20,000 Hz ± 3 dB; max power 200 W; sens 90 dB SPL/W/m; imp 4 ohms ± 1 ohm; cross over freq 300 Hz, 5.5 K; 12" W \times 36 $\frac{1}{4}$ " H \times 14 $\frac{1}{2}$ " D; 50 lbs/ea; walnut/oak finishes. \$997/pr

TW 1202 Subwoofer

Box single-channel passive subwoofer for model 5-02, 6-021B (below) or general use in limited space applications; features rounded hardwood corners, fuse protected, biampable; level adjust option. 12" cone subwoofer. FR 32-120 Hz ± 3 dB; min power 25 W, max 100 W; sens 84 dB SPL with 1/W/m; imp 12 ohms; oiled oak or walnut; 40 lbs; 14 $\frac{1}{2}$ " W \times 25" H \times 12" D. \$820/pr

6-02B Speaker

Ported bookshelf speaker for limited space applications; features rounded hardwood corners, fuse protected. 6 $\frac{1}{2}$ " cone woofer; $\frac{1}{4}$ " dome tweeter. FR 40-20,000 Hz ± 3 dB; min power 25 W, max 100 W; sens 84 dB SPL with 1/W/m; imp 8 ohm; oiled oak or walnut; 25 lbs; 12" W \times 19" H \times 9 $\frac{1}{2}$ " D. \$650/pr

5-02 Speaker

Box bookshelf mini-monitor for limited space applications; rounded hardwood corners, low-distortion fuse protection; 5" cone woofer; $\frac{1}{4}$ " dome tweeter. FR 70-20,000 Hz ± 3 dB; min power 25 W; max 100 W; sens 84 dB SPL/W/m; imp 8 ohms; oiled oak or walnut; 12 lbs; 8" W \times 12" H \times 6" D. \$550/pr

SW 1201 Subwoofer

Box-enclosure floor-standing dual-channel mix-bass subwoofer for model 5-02, 6-021B or general use in limited space applications; features rounded hardwood corners, low-distortion fuse protected, biampable, level-adjust option. 12" cone subwoofer. FR 32-120 Hz ± 3 dB; min power 25 W, max 100 W; sens 84 dB SPL/W/m; imp 8 ohms; oiled oak or walnut; 40 lbs; 18" W \times 18" H \times 18" D. \$520/ea

NIKKO**DRM-3000 Speaker**

Floor placement 3-way box speaker. Features 12" ribbed cone woofer; 5" cone midrange; 3" cone tweeter. Minimum power 5 W; max power 65 W; 43 lbs. \$200/pr

DRM-4000 Speaker

Floor placement ported digital reference monitor. Features 12" ribbed cone 2" VC woofer; 5" cone 1" VC midrange; 3" \times 5" dome 1 $\frac{1}{4}$ " VC tweeter. Minimum power 10 W; max power 220 W; sens 88 dB SPL/W/m; imp 8 ohms. 48 lbs; wood grain finish. \$200/pr

NOVAK**Model 2 Speaker**

2-way ported speaker with 6 $\frac{1}{2}$ " polypropylene woofer and $\frac{1}{4}$ " ferrofluid dome tweeter. Features mylar capacitors; nondiffraction black foam grille; heavy gauge wiring; banana plug; spring clip terminals. FR 45-24,000 Hz ± 3 dB; min power 5 W; max power 60 W; sens 91.5 dB SPL/W/m; imp 4 ohms. 11" W \times 21" H \times 9 $\frac{1}{2}$ " D; 22 lbs; oiled walnut, natural oak finishes. \$300/pr Black laminate finish. \$330/pr

OHM ACOUSTICS**Model F Speaker**

Floor-standing speaker with 12" Walsh radiator, 16"

tweeter. Features oiled-walnut cabinet. FR 37-19,000 Hz ± 4 dB; power range 75-250 W; imp 4 ohms; 44" H \times 17 $\frac{1}{4}$ " W \times 17 $\frac{1}{4}$ " D. \$4,000/pr

Walsh 4 Speaker

Features 10" Walsh driver; 3 controls, for low, perspective (midrange), and high, each with 3 positions; press-connector inputs accept banana plugs and up to 12-gauge wire; casters; standard finish walnut and oak, available in Scandinavian rosewood, black or white lacquer. FR 32-17,000 Hz ± 4 dB; sens 87 dB SPL/m/2.83 V; rec power 50-500 W/ch; 40" H, 12.5" \times 12.5" at top, 15.5" \times 15.5" at base; 63 lbs. \$1,895/pr

Walsh 3 Speaker

Floor-standing vented speaker. Features Walsh driver; three controls for low, perspective (midrange) and high, each with three positions; press-connector inputs accept banana plugs and up to 12-gauge wire; casters. Frequency response 37-17,000 Hz ± 4 dB; minimum power range 35 watts; maximum power 200 watts; sensitivity 87 dB SPL/W/m. Finished in rosewood, black lacquer or white lacquer. 36" H \times 12 $\frac{1}{2}$ " \times 13 $\frac{1}{2}$ "; tapers from base. \$1,395/pr

Walsh 2 Speaker

Floor-standing vented speaker designed for excellent imaging and reliability. Features inverted conical surface; sub-bass activator; tufflex transmission block; ferrofluid ferro lube; protection circuits; acoustic insulation; acoustical attenuator; acoustically transparent circular metal grille; high-frequency balance control. FR 45-16,000 Hz ± 4 dB; sens 89 dB SPL/m/2.83 V; max power 120 W RMS; imp nominal/minimal 4/4 ohms; 32 $\frac{1}{2}$ " H \times 11 $\frac{1}{2}$ " \times 11 $\frac{1}{2}$ " at bottom tapering to 9 $\frac{1}{4}$ " \times 9 $\frac{1}{4}$ " at top 29; lbs. \$995/pr

Ohm C₃ Speaker

Features 10" polypropylene driver; 38-oz ferrite magnet; 1 $\frac{1}{2}$ " liquid-cooled voice coil; penta-vented liquid-cooled 1" soft dome tweeter; 10-oz ferrite magnet; 2,400 Hz/14,000 Hz sub-bass activator; vented (quasi-third order Butterworth filter); press connectors; $\frac{1}{4}$ " flakeboard stock-oiled walnut finish, oak on special order. FR 37-21,000 Hz ± 4 dB; imp 4 ohms; 26 $\frac{1}{4}$ " H \times 15" W \times 11 $\frac{1}{4}$ " D. \$750/pr

Ohm Walsh 1 Speaker

Floor-standing vented speaker with inverted conical surface. FR 48-18,000 Hz ± 4 dB; power range 20-90 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut finish; 24 lbs. \$595/pr

Model L2 Speaker

Features 8" woofer, 2" tweeter, 2" supertweeter; tweeter level control; oiled-walnut finish. FR 42-20,000 Hz ± 4 dB; crossovers 1.7 and 10 kHz; power range 8-100 W; sens 100-dB SPL at 3 ft; 20" H \times 12" W \times 9 $\frac{1}{4}$ " D. \$595/pr

Model E₂ Speaker System

Two-way vented speaker; 8" woofer with 5-oz ferrite magnet and 1" liquid-cooled voice coil. Features liquid-cooled Penta-Vented™ tweeter; 2,700 Hz Sub-Bass Activator™; vented enclosure (quasi-third order Butterworth filter); press connectors; $\frac{1}{4}$ " flakeboard stock, oiled-walnut finish; 21 $\frac{1}{2}$ " \times 11 $\frac{1}{2}$ " \times 7 $\frac{1}{4}$ " deep; imp nominal/min 8/4 ohms; FR 48-17,000 Hz ± 4 dB; efficiency 0.73%; recommended power 7-75 W RMS on music. \$395/pr

OMEGA AUDIO SYSTEMS**Pro 501 Monitor Speaker**

Dual-vented bass-reflex floor-standing 3-way speaker with line-source tweeters, wide-dispersion horn midrange, and 15-inch heavy-duty woofer. Direct-radiator cone woofer; 3-inches \times 7-inches horizontal horn midrange; two 1.5-inches \times 1-inch direct-radiator solid-state tweeters. Frequency response 25-40,000 Hz; minimum power 5 watts; maximum power 100 watts; sensitivity 92 dB SPL/with one watt input measured at one meter; impedance 8 ohms; walnut-grain vinyl finish; 19" W \times 34.19" H \times 14" D. \$600/pr

401 Floor-Standing Speaker

Bass reflex floor-standing speaker with 12" three-way system utilizing liquid-cooled midrange and tweeter for smoother response and high power handling. 12" direct-radiator cone woofer, 4" direct-radiator cone midrange; 1" polymer dome direct-radiator tweeter. FR 30-20,000 Hz ± 3 dB; power range 5-65 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut-grain vinyl finish; 16" W \times 26.25" H \times 11" D; 32 lbs \$360/pr

Omega Lazer Mini Max

Acoustic-suspension bookshelf 3-way compact speaker. Weather-resistant for indoor or outdoor use. 4 1/2" cone woofer; 2" cone liquid-cooled tweeter; 1 1/4" solid-state horn supertweeter. FR 65-22,000; power range 5-45 W; sens 92 dB SPL/W/m; imp 4 ohms; solid black finish; 9" W \times 4-7/8" H \times 7 1/2" D; 5 lbs \$120/pr

301 Speaker

Acoustic-suspension bookshelf or floor-standing speaker with 12" three-way system utilizing liquid-cooled midrange and tweeter for smoother response, high power handling. 12" direct-radiator cone woofer; 4" direct-radiator cone (sealed) midrange; 3" direct-radiator cone (sealed) tweeter. FR 40-15,000 Hz ± 3 dB; power range 5-45 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut-grain vinyl finish; 14" W \times 24" H \times 8.625" D; 23 lbs \$240/pr

ONYKO**HS-15 Compact Speaker**

Compact speaker. Features dual tweeters; high-strength mesh grille; 6 1/4" cone woofer; two 2 1/4" cone tweeters. FR 55-20,000 Hz; max power 45 W; imp 8 ohms; 8 1/4" W \times 13 1/8" H \times 9 1/4" D; 10 lbs. Available in dark grey; mirror-image pair \$220/pr

PAISLEY RESEARCH by API**Reference Two Speaker**

Ported speaker with 8" doped polypropylene woofer and 1" polyester soft-dome tweeter. FR 35-20,000 Hz ± 2 dB; min power 20 W; max power 100 W; sens 88 dB SPL/W/M; imp 6 ohms. Features lagos hickory vinyl veneer with black sag resistant fabric grille. 23 1/4" H \times 10 1/2" W \times 11 1/4" D; 31 lbs/ea \$350/pr

Reference One Speaker

Ported speaker with 8" doped polypropylene woofer and 1/2" polyester soft-dome tweeter. FR 40-20,000 Hz ± 3 dB; min power 20 W; max power 100 W; sens 89 dB SPL/W/M; imp 6 ohms. Features lagos hickory vinyl veneer with black sag resistant fabric grille. 19 1/4" H \times 10 1/4" W \times 9 1/4" D; 20 lbs/ea \$260/pr

Reference .5 Speaker

Ported speaker with 6 1/2" damped polypropylene woofer and 3/4" polyester soft-dome tweeter. FR 45-20,000 Hz ± 3.5 dB; min power 20 W; max power 75 W; sens 87 dB SPL/W/M; imp 6 ohms. Features lagos hickory vinyl veneer with black sag resistant fabric grille. 15 1/4" H \times 9 1/2" W \times 9 1/4" D; 15 lbs/ea \$215/pr

PARASOUND**Perfect Image Speaker**

Ported floor-standing speaker designed to be very linear with uncanny imaging, unrestrained dynamic range, high sens, and smooth imp. Rounded and angled baffle minimizes diffraction and time-aligns drivers. 8" polypropylene cone woofer, 1" soft-dome tweeter. FR 25-20,000 Hz ± 2.5 dB; power range 10-300 W; sens 92 dB SPL/W/m; imp 8 ohms; black lacquered or medium natural oak; 19" W \times 37" H \times 13" D; 50 lbs \$900/pr

CMs330 Monitor Speaker

Compact monitor bookshelf speaker in die-cast aluminum enclosure. High-compliance polypropylene 4" cone woofer, 1" soft-dome tweeter with phasing plug and ferro fluid damping. 12 dB/octave crossover includes separate choke for woofer. With mounting brackets. FR 60-22,000 Hz ± 4 dB; power range 10-

80 W; sens 89 dB SPL/W/m; imp 4 ohms; black aluminum; 4 3/4" W \times 7 1/4" H \times 4 1/2" D; 6 lbs \$200/pr

AWs280 All-Weather Speaker

Ported bookshelf speaker designed to function outdoors year-round. 6" polypropylene cone woofer, labyrinth bass loading, 1 1/2" poly cone tweeter. Features high-density particle-board enclosure with molded outer shell and mounting hooks. FR 65-20,000 Hz ± 4 dB; power range 10-60 W; sens 88 dB SPL/W/m; imp 8 ohms; black finish; 10" W \times 14 1/2" H \times 9 1/2" D. 11 lbs \$230/pr

CSs810 Speaker

4th order vented bookshelf speaker. Features 8" non-pressed pulp cone woofer; 2" wide dispersion tweeter. FR 50-20,000 Hz ± 4 dB; minimum power 10 W; max power 60 W; sens 88 dB SPL/W/M; imp 4 ohms. 10 1/2" W \times 17 1/2" H \times 9" D; 16 lbs \$170/pr

CRs220 Compact Speaker

Compact remote bookshelf speaker with birch finish. 6 dB/octave crossover with separate choke for woofer. Mounting brackets included. 4" woofer; 1 1/2" tweeter. FR 80-20,000 Hz ± 4 dB; power range 10-60 W; sens 92 dB SPL/W/m; imp 4 ohms; 5" W \times 8 1/4" H \times 4 1/2" D; 6 lbs \$100/pr

PPs100 Portable Speaker

Powered portable speaker with 1 W RMS amp. May be used for remote near-field monitoring. Features 4" full-range cone midrange. FR 14-16,000 Hz ± 5 . Uses 4 C batteries or 6 V DC supply. Shoulder strap included. 5" W \times 5" H \times 2" D; black matted finish \$49/pr

LS-8 Speaker Stand. Welded steel speaker stand designed for standard bookshelf speakers. Elevates speakers 9" above floor. Holds up to 150 lbs. Textured matte black finish \$59.75/pr

PENTAGRAM**P-10A Speaker**

Floor-standing pentagonal pyramid speakers with external or internal crossover and no resistors. Features 15" damped cone passive rad; 10" cone woofer; 3" dome midrange; 2" ribbon tweeter; discstick wiring; polypropylene capacitors; 12 gauge aircore coil. FR 24-20,000 Hz ± 2 dB; min power 35 W; max power 250 W; sens 90 dB SPL/W/m; imp 7.3 ohms. 26.5" W \times 33.25" H \times 24.5" D; 92 lbs; oak or walnut finishes \$2,250/pr

P-8A Speaker

Floor-standing damped pentagonal pyramid speaker with no resistors. Features 12" damper cone passive rad; 8" polypropylene cone woofer; 3" dome midrange; 2" ribbon tweeter; discstick wiring; polypropylene capacitors; series circuit; quasi 12 dB/octave crossover. FR 34-20,000 Hz ± 2 dB; min power 25 W; max power 150 W; sens 90 dB SPL/W/m; imp 7.3 ohms. 18.5" W \times 23.5" H \times 18.5" D. 54 lbs oak or walnut finishes \$1,100/pr

P-6 Speaker System

Speaker with specially shaped internal bracing system. Features 6 1/2" polypropylene cone woofer; 1" dome tweeter. FR 45-22,000 Hz ± 2.5 dB; power handling 60 W; sens 91 dB SPL/W/m walnut or oak veneer; 14 1/2" W \times 18" H \times 8 1/4" D; 22 lbs \$495/pr

WP-1 Speaker

In wall mounting transmission line speaker with discstick wiring, and polypropylene capacitors. Features 6 1/2" polypropylene cone woofer; 1" dome tweeter. FR 40-20,000 Hz ± 2.5 dB; min power 15 W; max power 60 W; sens 91 dB SPL/W/m; imp 7.6 ohms. 13.5" W \times 36" H \times 3 1/8" D; 23 lbs; black grille face \$495/pr

WP-2 Speaker

Acoustic suspension box speaker with in wall mounting. Features 6 1/2" polypropylene woofer; 1" dome tweeter. FR 60-20,000 Hz ± 2.5 dB; min power 15 W; max power 60 W; sens 91 dB SPL/W/m; imp 7.6

ohms. 13 1/2" W \times 7" H \times 3 1/8" D; 12 lbs; black grille face \$275/pr

PHASE TECHNOLOGY**Phase Coherent Series****PC-1000 Speaker**

Floor-standing phase-coherent passive-radiator speaker. Features met-polypropylene bypass capacitors; 10" solid-piston RPF" radiator; 8" solid-piston RPF" woofer; 5 1/4" solid-piston RPF" midrange; 1" soft-dome tweeter; accepts banana plugs. FR 30-20,000 Hz ± 3 dB; power range 25 W; sens 250 dB SPL/W/m; imp 8 ohms; walnut and dark oak; 15 1/2" W \times 38 1/4" H \times 8 1/2" D; 70 lbs \$1,100/pr

PC-70 Mark II 3-Way Speaker

Bookshelf acoustic-suspension phase-coherent speaker. Features met-polypropylene bypass capacitors; accepts banana plugs; solid hardwood and veneers; speaker protection. 10" solid-piston woofer, 5 1/4" solid-piston RPF" midrange, 1" soft-dome tweeter. FR 35-20,000 Hz ± 3 dB; power range 25-200 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut finish; 14 3/4" W \times 26" H \times 10 1/2" D; 50 lbs \$800/pr

PC-60/50 Subwoofer/Satellites Set

3-piece acoustic-suspension subwoofer system with down-firing floor-loaded woofer and 2-way compact phase-coherent satellites. Features met-polypropylene bypass capacitors; feet extenders for heavy carpet; tweeter level control; accepts banana plugs; solid hardwood and veneers; removable minimum-diffraction grille; speaker protection. 10" solid-piston subwoofer, 6" solid-piston midrange, 1" soft-dome tweeter. FR 30-20,000 Hz ± 3 dB; power range 25-200 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut, stained oak, light oak finish; satellites 8" W \times 13 1/2" H \times 8" D; subwoofer 13" W \times 14" H \times 15" D; 60 lbs \$675/set

PC-40/30 Subwoofer/Satellites Set

Ultra-compact 3-piece acoustic-suspension subwoofer system with down-firing floor-loaded subwoofer and 2-way phase-coherent satellites. Features met-polypropylene bypass capacitors; feet extenders for heavy carpet; accepts banana plugs; genuine wood veneer; removable minimum-diffraction grille; speaker protection. 8" solid-piston subwoofer, 5 1/4" solid-piston midrange, 1" soft-dome tweeter. FR 35-20,000 Hz ± 3 dB; power range 15-150 W; sens 89 dB SPL/W/m; imp 4 ohms; walnut, stained oak, light oak finish; satellites 6 1/2" W \times 9 1/4" H \times 5 1/4" D; subwoofer 11" W \times 12" H \times 13" D; 45 lbs \$500/set

PC-65 Speaker

2-way phase-coherent acoustic-suspension speaker with met-polypropylene bypass capacitors; accepts banana plugs; solid hardwood and veneers; removable grille; speaker protection. 8" solid-piston RPF" woofer, 1" soft-dome tweeter. FR 45-20,000 Hz; power range 15-100 W; sens 89 dB SPL/W/m; imp 4 ohms; walnut stained oak, light oak finish; 12" W \times 21" H \times 10 1/2" D; 29 lbs \$500/pr

PC-60 Speaker

Bookshelf 2-way phase-coherent acoustic-suspension speaker with met-polypropylene bypass capacitors; accepts banana plugs; solid hardwood and veneers; removable min-diffraction grille; speaker protection. 6" solid-piston RPF" woofer; 1" soft-dome tweeter. FR 55-20,000 Hz ± 3 dB; power range 15-100 W; sens 87 dB SPL/W/m; imp 4 ohms; walnut, stained oak, light oak finish; 8" W \times 13 1/2" H \times 8" D; 15 lbs \$400/pr

PC-40 Speaker

Bookshelf 2-way phase-coherent acoustic-suspension speaker with met-polypropylene bypass capacitors; accepts banana plugs; genuine wood veneer; removable min-diffraction grille; speaker protection. 5 1/4" solid-piston RPF" woofer; 1" soft-dome tweeter. FR 70-20,000 Hz ± 3 dB; power range 15-80 W; sens 89 dB SPL/W/m; imp 4 ohms; walnut, stained oak,

light oak finish; 6½" W × 9¾" H × 5¼" D; 10 lbs \$300/pr

PC-50 Subwoofer

Down-firing floor-loaded acoustic-suspension subwoofer with met-polypropylene bypass capacitors; internal passive crossover for use with satellite speakers; feet extenders for heavy carpeting; genuine wood veneer. 10" solid-piston RPF™ woofer. FR 30-150 Hz ±3 dB; power range 25-200 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut, light oak, stained oak finish; 13" W × 14" H × 15" D; 33 lbs. \$275/ea

PC-30 Speaker Subwoofer

Down-firing floor-loaded acoustic-suspension subwoofer with met-polypropylene bypass capacitors; internal passive crossover for use with satellite system; feet extenders for heavy carpeting; genuine wood veneer. 8" solid-piston RPF™ woofer. FR 35-150 Hz ±3 dB; power range 15-150 W; sens 89 dB SPL/W/m; imp 4 ohms; walnut, stained oak, light oak finish; 11" W × 12" H × 13" D; 25 lbs. \$200/ea

High Transparency Series

HT 42 Speaker System

Bass-reflex 3-way high-technology speaker with 12" woofer, 1½" soft-dome midrange, 1" soft-dome tweeter. Features midrange and tweeter level controls; speaker protection; walnut-grain vinyl finish; removable grille. FR 30-20,000 Hz; sens 91 dB SPL/W/m; power range 25-125 W; 27" H × 15¼" W × 11½" D; 52 lb \$500/pr

HT 32 Speaker System

Bass-reflex high-technology 3-way speaker with 10" woofer, 1½" soft-dome midrange, 2" cone tweeter. Features speaker protection; walnut-grain vinyl finish; removable grille. FR 40-20,000 Hz; sens 89 dB SPL/W/m; power range 10-60 W; 23" H × 13" W × 10¾" D; 35 lb \$340/pr

HT 28 Speaker

Bass-reflex high-technology 2-way speaker with 8" woofer, 2" cone tweeter. Features walnut-grain vinyl finish; removable front grille. FR 50-20,000 Hz; sens 90 dB SPL/W/m; power range 5-50 W; 20" H × 10¾" W × 9¾" D; 37 lb \$180

PIONEER ELECTRONICS

DSS-9R/L Speaker

3-way bass-reflex floor-standing box speaker. Features two 12" PG cone woofers; two 4¾" Boron cone midranges; 2 Beryllium ribbon tweeters; tone selectors; symmetrical speaker arrangement. FR 30-50,000 Hz; maximum power 240 W; sens 91 dB SPL/W/m; imp 6 ohms; 15¾" W × 26¾" H × 13¾" D; 57 lbs, 5 oz \$1,000/pr

DSS-E10 L/R Speaker

3-way bass-reflex speaker system. Features linear-drive magnetic circuit; electronic bass drive; dynamic response suspension; two 12" PG cone woofers; two 4¾" Boron cone midranges; 2 Beryllium ribbon tweeters. FR 30-50,000 Hz; maximum power 240 W; sens 91 dB SPL/W/m; imp 6 ohms; natural wood veneer finish; 15¾" W × 26¾" H × 13¾" D; 57 lbs, 5 oz \$1,000/pr

DSS-7R/L Speaker

Floor-standing box speaker. Features two 12" PG cone woofers; two 2½" Boron cone midranges; 2 Beryllium ribbon tweeters. FR 30-50,000 Hz; maximum power 210 W; sens 91 dB SPL/W/m; imp 8 ohms; 14¾" W × 25¾" H × 13¾" D; 49 lbs, 10 oz \$600/pr

CS-705 Speaker

Bass-reflex floor-standing four-way speaker features electronic bass drive; 3-position tone selector, LED power indicators. Contains 15" cone woofer; 4¾" cone midrange; horn tweeter; aluminum ribbon supertweeter. FR 20-40,000 Hz; max power 200 W; sens 98 dB SPL/W/m; imp 8 ohms; walnut; 44 lbs; 17¼" W × 27¼" H × 10¾" D \$600/pr

CS-605 Speaker

Bass-reflex floor-standing four-way speaker features electronic bass drive, 3-position tone selector, LED power indicators. Contains 12" cone woofer; 4¾" cone midrange; horn tweeter; aluminum ribbon supertweeter. FR 25-40,000 Hz; max power 150 W; sens 96 dB SPL/W/m; imp 8 ohms; walnut; 35 lbs 8 oz; 16¾" W × 27¾" H × 10¾" D \$500/pr

DSS-6 R/L Speaker

Floor-standing box speaker. Features two 8" PG cone woofers; two 2½" Boron cone midranges; 2 Beryllium ribbon tweeters; linear-drive magnetic circuit; electronic bass drive; dynamic response suspension. FR 40-50,000 Hz; maximum power 120 W; sens 90 dB SPL/W/m; imp 6 ohms; natural wood veneer finish; 10¾" W × 18½" H × 9¾" D; 23 lbs, 2 oz \$400/pr

DSS-5 R/L Speaker

3-way bass-reflex speaker system. Features linear-drive magnetic circuit; dynamic response suspension; electronic bass drive; two 10" cone woofers; two 2½" cone midranges; 2, ¾" dome tweeters. FR 38-30,000 Hz; maximum power 120 W; sens 91 dB SPL/W/m; imp 8 ohms; 12¼" W × 22¼" H × 11¼" D; 31 lbs, 15 oz \$400/pr

CS-405 Speaker

Bass-reflex floor-standing 3-way system. Contains 12" cone woofer; 3¼" cone midrange; aluminum ribbon tweeter. FR 40-40,000 Hz; max power 120 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut; 24 lbs 4 oz; 14¼" W × 24½" H × 10¾" D.. \$300/pr

S-T5 Speaker

Sealed 2-way bookshelf system with polymer graphite woofer and electronic bass drive. FR 45-20,000 Hz; max power 90 W; sens 89 dB SPL/W/m; imp 6.3 ohms; gray; 9 lbs 15 oz; 7¾" W × 10¾" H × 7¾" D \$280/pr

CS-G301WA Speaker

Ported 3-way bookshelf speaker contains 12" cone woofer; 4¾" cone midrange; 2¾" cone tweeter. FR 35-20,000 Hz; max power 120 W; sens 91.5 dB SPL/W/m; imp 6.3 ohms; walnut; 29 lbs 12 oz; 14¼" W × 26½" H × 13" D \$260/pr

CS-G201WA Speaker

3-way ported bookshelf speaker contains 10" cone woofer; 3" cone midrange; 2¾" cone tweeter. FR 40-20,000 Hz; max power 100 W; sens 90 dB SPL/W/m; imp 6.3 ohms; walnut; 20 lbs 15 oz; 13¾" W × 24" × 11¾" D \$200/pr

CS-G101WA Speaker

Sealed two-way bookshelf system. Contains 10" cone woofer; 2¾" cone tweeter. FR 55-20,000 Hz; max power 50 W; sens 90 dB SPL/W/m; imp 6.3 ohms; walnut; 13" W × 22¼" H × 7¼" D .. \$140/pr

PIONEER VIDEO

CS-V900D Speaker

Floor placement, digital-ready speaker system. Features ported enclosure; 12" polymer graphite cone woofer; 4¾" single piece boron cone midrange; beryllium tweeter; metalized film capacitors in crossover; magnetically shielded. FR 30-50,000 Hz ±3 dB; max power 240 W; sens 91 dB SPL/W/m; imp 6 ohms; 15¾" W × 26¾" H × 13¾" D; 57 lbs, 5 oz; real walnut veneer; mirror image pair ... \$1,200/pr

CS-VX50 Wall Mountable Speakers

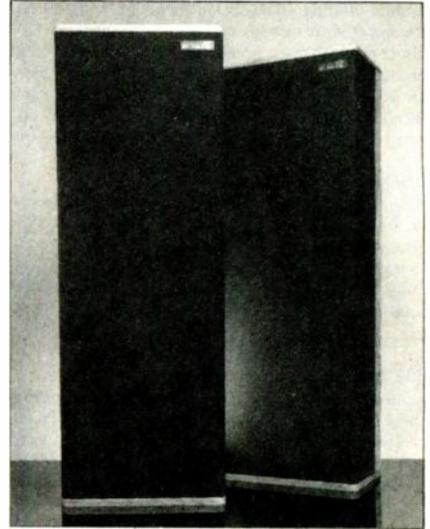
Magnetically shielded, compact, two-way speaker. Features box enclosure; 7¼" cone woofer; 2¾" cone tweeter. FR 50-20,000 Hz ±3 dB; max power 60 W; sens 90 dB SPL/W/m; im 6 ohms; 8¼" W × 13¾" H × 7½" D; 8 lbs, 6 oz \$180

POLK AUDIO

SDA-SRS Speaker

Floor-standing speaker that incorporates coherent Line-Source True Stereo (SDA) technology for lifelike

three dimensional imaging. Features 15" planar passive radiator; eight 6½" trilaminate polymer



midranges; four 1" silver coil soft dome tweeters. FR 14-2,600 Hz ±3 dB; power range 10-1,000 W; sens 95 dB SPL/W/m; imp 4 ohms; oiled oak or oiled walnut finish; 21" W × 63¾" H × 13" D; 175 lbs/ea \$2,590/pr

SDA-1A Speaker System

Speaker with 4 Polk MW 6600x trilaminate polymer bass-midrange drivers; Stereo/Dimensional isophase crossover system for blending all 12 active drivers of 2 SDA-1s; SL 2000 L/P high-frequency radiator incorporating an exclusive silver coated voice coil windings for FR beyond 25,000 Hz and hyperbolic section polyamide diaphragm; sub-bass radiator. Recommended amplification 10-500 W/ch; FR 15-26,000 Hz; imp 4 ohms; crossover frequencies 50 Hz, 100 Hz, 2,500 Hz; system resonance 15 Hz; efficiency 95 dB SPL/W/m; oiled walnut or oak cabinet finish; 43¾" H × 16" W × 12" D; 85 lbs \$1,750/pr

SDA-2 Speaker System

Similar to SDA-1 except 3 6600X bass-midrange drivers and crossover frequencies at 50 and 2,500 Hz. FR 16-26,000 Hz; system resonance 16 Hz; efficiency 92 dB/W/m; cabinet finish furniture-grade walnut or rosewood woodgrain vinyl; oiled walnut or oak; 39¾" H × 16" W × 12" D; 80 lbs ... \$1,250/pr

R.T.A. 12C Monitor Speaker System

Real-time-array 3-way floor-standing speaker with 12" low-resonance molded-foam subwoofer, two 6½" polymer laminated bass-midrange drivers, SL 2,000 tweeter. FR 17-25,000 Hz; crossovers 40 and 2,000 Hz; power range 10-500 W; imp 4 ohms; walnut or rosewood grain finish (genuine walnut veneer available at extra cost); 39" H × 16" W × 12" D \$960/pr

SDA Compact Reference System

Bookshelf speaker with SDA technology for lifelike three-dimensional imaging. Two 6½" cone midranges; two 1" SL 2,000 polymer dome tweeters; 10" passive cone radiator. FR 26-25,500 Hz; power range 10-200 W; sens 92 dB SPL/W/m; imp 4 ohms; walnut or rosewood furniture grade vinyl finish or real hand-rubbed oak or walnut at extra cost; 20" W × 12½" H × 9½" D \$790/pr

Ten B Speaker System

Sub-bass radiator/sealed 3-way floor-standing speaker with 10" fluid-coupled subwoofer, two 6½" bass/midrange drivers, 1" soft-dome tweeter. FR 22-25,000 Hz; crossovers 60 and 3,000 Hz; power range 10-200 W/ch; imp 6 ohms; walnut or rosewood grain finish (genuine walnut veneer available at extra cost); 28" H × 16" W × 11½" D.. \$660/pr

Seven C Speaker System

Sub-bass radiator/sealed 3-way bookshelf speaker with 10" subwoofer, 6½" plasticized bass/midrange,

1" soft-dome tweeter. FR 26-25,000 Hz; crossovers 60 and 3,000 Hz; power range 10-100 W; imp 8 ohms; walnut or rosewood grain finish; 24" H x 14" W x 9 1/4" D \$500/pr
Five B. Similar to Seven B but 8" subwoofer; SL 2,000 tweeter; FR 31-25,000 Hz; power range 10-60 W; imp 4 ohms; 21 1/2" H x 10 1/2" W x 8 1/2" D \$380/pr

Monitor 5jr Speaker

Bookshelf speaker with 1" SL 2,000 tweeter; 6 1/2" trilaminate polymer bass-midrange. FR 30-26,000 Hz; power range 10-100 W; imp 4 ohms; furniture grade walnut or rosewood grain vinyl finish or real walnut or oak veneer at extra cost; 9" W x 7" H x 8 3/4" D \$260/pr

Monitor Four A Speaker System

Satellite speaker with trilaminate-polymer 6500 woofer, 1-inch moving coil high-frequency radiator; isophase crossover network. Features cabinet, grille designed to eliminate diffraction effects, smooth FR; terminated transmission duct that loads bass/midrange driver into deep-bass range. FR 55-21,000 Hz \pm 3 dB; power range 10-80 W; max output 108 dB SPL; crossover 4.5 kHz; imp 4 ohms; 14 1/2" H x 8 1/2" W x 7 3/4" D \$170/pr

PROTON

303 Speaker

Box bookshelf speaker. Features 4 1/2" cone woofer; 1 3/4" ferrofluid-cooled cone tweeter. FR 60-20,000 Hz \pm 3 dB; min power 3 W, max 60 W; sens 89 dB SPL/W/m; imp 8 ohms; black finish; 27 lbs; 6.5" W x 23" H x 7.25" D \$150/pr

302 Speaker

Box bookshelf speaker. Features 4 1/2" cone woofer; 1 3/4" ferrofluid-cooled cone tweeter. FR 100-20,000 Hz \pm 3 dB; min power 3 W, max 60 W; sens 89 dB SPL/W/m; imp 8 ohms; black finish; 22 lbs; 6.5" W x 18" H x 7.3" D \$150/pr

QUAD

ESL-63 Electrostatic Loudspeaker

Full-range electrostatic double speaker with dipole source. Features 2 protection circuits. Power range 100-190 W; sens 86 dB, 2.83 V RMS; imp 8 ohms; axis band limits -6 dB at 35 Hz, third-order, -6 dB at 20 kHz; 92.5 x 66 x 27 cm; 23 kg \$2,450/pr

QUASAR

SW494XW Speaker

Floor-standing box speaker with magnetic shielding for use with video products. Features 11 1/2" cone woofer; 4 3/4" cone midrange; horn with acoustic lens supertweeter. FR 33-25,000 Hz \pm 16 dB; max power 150 W; imp 8 ohms; lagos hickory finish; 50 lbs/ea \$350-400/pr

SW99 Speaker

Bookshelf box speaker. Features AV surround system™; 10 W/ch internal amp; 5 1/2" cone woofer; 2 1/2" cone tweeter. FR 35-20,000 Hz \pm 10 dB; max power 10 W; imp 8 ohms; black; 7 1/2" W x 12 1/2" H x 8 1/2" D; 20 lbs \$200-250/pr

SW30 Speaker

Bookshelf round-ball speaker. Features rear channel speakers for use with SW99; stands included; 4" cone midrange. FR 150-20,000 Hz \pm 10 dB; black. 6" diameter; 5 1/4 lbs \$50-70/pr

RAUNA by SCANDINAVIAN SOUNDS

Anjala Speaker

Floor-standing concrete box speaker. Features transmission line; wooden top and bottom; 6 1/2" cone woofer; 1" dome tweeter. FR 35-20,000 Hz \pm 3 dB; power range 15-100 W; sens 89 dB SPL/W/m; imp 8 ohms; rosewood; 10" W x 35" H x 10.5" D; 70 lbs \$995/pr

Leira Speaker

Concrete box speaker with transmission line. Speaker houses 6 1/2" cone woofer; 1" dome tweeter. FR 35-20,000 Hz \pm 3 dB; power range 15-100 W; sens 89 dB SPL/W/m; imp 8 ohms; 9" W x 30" H x 15" D; 55 lbs \$750/pr

MKII Tyr Speaker

Two-way bookshelf concrete box speaker with wood top and bottom. Speaker houses 6 1/2" cone woofer; 1" dome tweeter. FR 40-20,000 Hz \pm 3 dB; power range 15-60 W; sens 89 dB SPL/W/m; imp 8 ohms; rosewood; 10" W x 13.5" H x 10.5" D; 30 lbs \$495/pr

RCA

SPK-385 Dimensia Speaker

Floor placement air suspension magnetically shielded 3-way speaker system. Features midrange and tweeter level controls; bass and midrange polypropylene drivers; 11" polypropylene cone woofer; 4" polypropylene cone midrange; 1" soft cloth dome tweeter. FR 35-20,000 Hz; max power 120 W; sens 91 dB SPL/W/m; imp 6 ohms. 13 3/4" W x 24 1/4" H x 12 3/4" D; 36 lbs; oak/ebony finishes \$400/pr

SPK-375 Dimensia Speaker

Floor placement air suspension speaker. Features midrange and tweeter level controls; bass and midrange polypropylene drivers; 11" polypropylene cone woofer; 4" polypropylene cone midrange; 1" soft cloth dome tweeter. FR 35-20,000 Hz; max power 120 W; sens 91 dB SPL/W/m; imp 8 ohms. 13 3/4" W x 24 1/4" H x 12 3/4" D; 36 lbs; oak/ebony finishes \$400/pr

SPK-380 Digital Command Speaker

Floor placement air suspension magnetically shielded 3-way speaker system. Features midrange and tweeter level controls; bass and midrange polypropylene drivers; 11" polypropylene cone woofer; 4" polypropylene cone midrange; 1" soft cloth dome tweeter. FR 35-20,000 Hz; max power 120 W; sens 91 dB SPL/W/m; imp 6 ohms. 13 3/4" W x 24 1/4" H x 12 3/4" D; 36 lbs; oak/ebony finishes; approx \$400/pr

SPK-125 Digital Command Speaker

Bookshelf air suspension magnetically shielded 2-way speaker system. Features polypropylene bass driver; tweeter level control; 6" polypropylene cone woofer; 1" soft cloth dome tweeter. FR 50-20,000 Hz; max power 80 W; sens 89 dB SPL/W/m; imp 6 ohms. 9 1/4" W x 15 3/4" H x 9 1/8" D; 14.74 lbs; approx \$200/pr

REALISTIC

Optimus Speaker System

400. Infinite-baffle speaker with 12" woofer, 5" cone midrange. Level controls for tweeter and midrange. FR 40-40,000; 26 3/4" x 14 3/4" x 11 3/4" \$400/pr
T-120. High-efficiency 3-way tower speaker in genuine walnut veneer. Features 10" long-throw woofer; 5" midrange driver; 1" liquid-cooled tweeter; sealed acoustic-suspension enclosure; ferrofluid-cooled dome tweeter; removable cloth grille; level controls for midrange and tweeter. FR 50-20,000 Hz; power-handling capacity 80 W; sens 91 dB SPL/W/m; imp 8 ohms; 35 1/2" x 12 1/2" x 11 1/2" \$360/pr
800. Three-way speaker with variable mid-range and tweeter controls. Features 12" woofer; 4" midrange; 2 1/2" tweeter; tuned port; front and rear-projecting midrange. FR 50-20,000 Hz; max power 80 W; sens 90 dB SPL at 1 watt/1 meter; imp 8 ohms. Oiled-walnut veneer; 29 3/4" x 14" x 9 3/4" \$320/pr
45. Vented speaker with 10" woofer, 5" cone midrange, 2 1/2" dome tweeter. Level controls for midrange and tweeter. FR 50-20,000 Hz; 23 1/16" x 13" x 10 1/16" \$280/pr
600. Three-way bass-reflex speaker. Features 8" woofer; 4" midrange; 2 1/2" cone tweeter; removable cloth grille; recessed color-coded spring-loaded terminals. Max power 70 W; sens 90 dB SPL at 1 watt/1 meter; FR 50-20,000 Hz. Oiled walnut veneer finish \$200/pr

Mach TWO Speakers

Vented speaker with 15" woofer, 5" cone midrange, 4" dual-radial tweeter. Level controls for midrange and tweeter. FR 25-40,000 Hz; 27 1/16" x 17 3/4" x 11 13/16" \$440/pr

Nova 15 Speakers

Walnut-veneered vented speaker with 2 1/2" tweeter. FR 60-20,000 Hz; 19" x 16 3/4" x 7 1/2" \$160/pr

Minimus Speakers

35. Two-way mini speaker. Features 5 1/4" honeycomb woofer; 2" liquid-cooled tweeter; color-coded spring-loaded terminals. Max power 50 W; FR 60-20,000 Hz. Oiled walnut; 11" x 6 1/2" x 6 13/16" \$140/pr
7W. Walnut veneer mini-speaker. Features 4" woofer; 1" soft dome tweeter; removable cloth grille; spring terminals. Power handling capacity 40 W; 8 x 5 x 4" \$100/pr
7. Features long-excursion 4" woofer; 1" soft-dome tweeter; die-cast metal enclosure; deluxe crossover for smooth response without artificial peaks; hanger slots and recessed spring terminal connectors for easy wall mounting. Power handling capacity 40 W; 7 1/16" x 4 7/16" x 4 3/16" \$100/pr
25. \$60/pr
17. Sealed walnut veneer enclosure with a 5" full-range driver; wire mesh grille; 6 1/2" x 6 1/2" x 6" \$44/pr
18. \$40/pr
3.5. Features 3" driver; removable steel grille; high-density molded enclosure; spring terminals; 5 5/8" x 3 3/4" x 3 3/4" \$40/pr
0.5. Metal frame, walnut vinyl veneer; 6 3/4" x 4 1/4" x 4 1/4" \$30/pr
3. Mini extension speakers. Features 5" driver in walnut vmyl veneer; 10" x 8 1/2" x 5 1/2" \$26/pr
0.3. Walnut veneer cube speakers. Features extension for pocket stereos; 3" driver; 4" x 4" x 3 3/4" \$24/pr

MC-800 Speaker

Two-way bookshelf speaker. Features 6 1/2" woofer; 2 1/2" cone tweeter; removable cloth grille; push-on speaker terminals. FR 100-20,000 Hz; max power 40 W. 13 3/4" x 8 3/4" x 5 1/8" \$80/pr

Supertweeters

Dynamic. Extends response to 40,000 Hz; mounts in or outside speaker cabinet; max power 50 W; 4" H \$18
Piezo. Extends response to 27,000 Hz. Max power 75 W; sens 96 dB SPL/W/m \$13

REVOX

Agora B Speaker

Floor-standing triamplified active ported speaker incorporating three 100-watt amps with active dividing networks in each enclosure. Designed to be driven from preamp or direct from high-level sources such as CD player. Features push-pull dual woofer design with one woofer facing into enclosure to eliminate even-order harmonic distortion. Two 8" cone woofers; 4 3/4" cone midrange; 3/4" titanium dome tweeter. Low-frequency amp utilizes feedback to compensate for back-EMF. Also features 4-step bass and treble controls; bass blend switch; auto power on/off. FR 30-21,000 Hz \pm 3 dB; sens 110 dB SPL/W/m; real walnut veneer finish, brown grille. 16 3/4" W x 29" H x 16 3/4" D; 68 lbs \$2,600/pr

Plenum B Speaker

Bass-reflex 3-way speaker with woofer featuring extended voice coil/magnet assembly, dome midrange, dome tweeter. Features custom crossover network to prevent tweeter overload; handcrafting with premium wood veneers. Sensitivity 90 dB SPL with one watt

For explanations of abbreviations, specifications, and technical terms, turn to the vocabulary on page 18.

input measured at one meter; distortion 0.4%; maxpower 120 W \$1,198/pr
Forum B. Similar to Plenum B except maximum power 90 W \$798/pr

Piccolo Speaker

Miniature satellite speaker. May be used with or without companion subwoofer. Satellites feature 4 $\frac{1}{8}$ " cone woofer; $\frac{3}{4}$ " dome tweeter. Subwoofer features 10 $\frac{1}{8}$ " cone subwoofer. FR 48-22,000 Hz \pm 3 dB; power range 20-70 W; sens 86 dB SPL/W/m; imp 4 ohms; black finish. Satellite 5 $\frac{1}{2}$ " W \times 8 $\frac{3}{4}$ " H \times 5 $\frac{3}{4}$ " D. 5 $\frac{1}{2}$ lbs; subwoofer 15 $\frac{3}{8}$ " W \times 14 $\frac{1}{8}$ " H \times 14 $\frac{1}{8}$ " D. 32 lbs. Satellites \$198/pr
Subwoofer. \$250

Studio 4 Acoustic Suspension Speaker

Compact speaker with black cabinet and metal grille. Features 9" cone woofer; 1 $\frac{1}{4}$ " dome midrange; $\frac{3}{4}$ " dome tweeter. FR 40-22,000 Hz \pm 3 dB; power range 20-70 W; imp 4 ohms; 11 $\frac{1}{2}$ " W \times 18 $\frac{1}{8}$ " H \times 11 $\frac{1}{4}$ " D; 20 $\frac{1}{2}$ lbs \$350/pr

RICH ACOUSTICS

SF-1202 Speaker

Box speaker with passive radiator. Features multiple driver system, time aligned; four 1" Ferrofluid soft-dome tweeters in multiple array alignment; four 6.5" polypropylene mid-bass drivers in phase fluid-coupled with a 12" sub-bass radiator. FR 25-20,000 Hz \pm 3 dB; power range 10-350 W; sens 91 dB SPL/W/m; imp 8 ohms; real wood walnut veneer finish. \$1,295/pr

Model 9 Speaker

Ported floor-standing speaker with high-density compressed fiberboard enclosure with hand-fitted heat-cured joints. 10" bextrene cone woofer; 3" soft-dome midrange; 1" soft-dome tweeter vertically aligned. Crossovers at 1,100 and 4,000 Hz. FR 35-20,000 Hz \pm 3 dB; power range 10-250 W; sens 90 dB SPL/W/m; imp 8 ohms; available in oak and walnut veneers; 14" W \times 28" H \times 11 $\frac{1}{2}$ " D; 57 lbs \$1,050/pr

Model 7 Speaker

Ported bookshelf or floor-standing speaker with 8" polypropylene cone woofer; 3" soft-dome midrange; 1" soft-dome tweeter vertically aligned. Phase-corrected crossovers at 1,100 and 4,000 Hz with 12-dB slopes. FR 38-20,000 Hz \pm 3 dB; power range 10-250 W; sens 90 dB SPL/W/m; imp 8 ohms; available in oak and walnut veneers; 13" W \times 26" H \times 11" D; 48 lbs \$799/pr

SF-702 Speaker

Box speaker with passive radiator. Features two 6.5" mid-bass drivers; 1" Ferrofluid dome tweeter; 10" sub-bass unit. FR 30-20,000 Hz \pm 3 dB; power range 10-200 W; sens 91 dB SPL/W/m; imp 4 ohms; real wood walnut veneer finish \$599/pr

Model 5 Speaker

Ported bookshelf or floor-standing speaker designed for accurate left-to-right and front-to-back imaging. 8" polypropylene cone woofer; 1" dome tweeter vertically aligned. Crossover at 3,000 Hz. FR 32-20,000 Hz \pm 3 dB; power range 10-250 W; sens 91 dB SPL/W/m; imp 8 ohms; available in oak and walnut veneers; 13" W \times 22.5" H \times 11" D; 41 lbs \$500/pr

SF-502 Speaker

Box passive radiator speaker. Features 6.5" mid-bass driver; 1" Ferrofluid dome tweeter; 10" sub-bass unit. Frequency response 32-20,000 Hz \pm 3 dB; minimum power 32 watts; maximum power 200 watts; sensitivity 91 dB SPL/W/m; imp 8 ohms; real wood walnut veneer finish \$449/pr

SF-302 Speaker

Box passive radiator speaker. Features 6.5" mid-bass driver; 1" Ferrofluid dome tweeter; 8" sub-bass unit. FR 34-20,000 Hz \pm 3 dB; power range 10-150 W; sens 91 dB SPL/W/m; imp 8 ohms; real wood walnut veneer finish. \$349/pr

Model 3 Speaker

Ported speaker for bookshelf or stand placement. 6.5" bextrene cone woofer; 1" soft-dome tweeter. Crossover at 2,500 Hz. FR 45-20,000 Hz \pm 3 dB; power range 10-100 W; sens 90 dB SPL/W/m; imp 8 ohms; available in oak and walnut veneers; 10" W \times 17" H \times 8 $\frac{3}{4}$ " D; 24 lbs \$320/pr

ROBERTSON AUDIO

Twenty one Speaker

Floor-standing speaker with infinite baffle. Custom-built drivers designed to have the speed of electrostatics. Two 8" cone woofers, one 1 $\frac{1}{2}$ " cone tweeter. FR 30-22,000 Hz \pm 3 dB; min power 20 W; sens 92.5 dB SPL/W/m; imp 4 ohms; mahogany finish; 19" W \times 31 $\frac{1}{2}$ " H \times 9" D; 54 lbs ... \$1,695/pr

Eleven Speaker

Floor-standing speaker with 8" cone woofer, 1 $\frac{1}{2}$ " cone tweeter. Custom-built drivers designed to have speed of electrostatics. FR 40-22,000 Hz \pm 3 dB; min power 20 W; sens 90 dB SPL/W/m; imp 8 ohms; mahogany finish; 12" W \times 21" H \times 11" D; 36 lbs \$795/pr

ROGERS LOUDSPEAKERS

Studio II Speaker

Two-way reflex vented speaker system featuring Rogers 305-mm cast basket doped polypropylene copolymer coned woofer with high-flux magnet and KAPTON voice coil; Audax 34-mm fabric-dome tweeter; Scanspeak 19-mm fabric-dome supertweeter; crossover at 2,000 and 8,000 Hz. FR 38-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; power range 50-500 W; stands included; MDF board cabinet with walnut, teak, black ash, or rosewood veneer; black grille cloth; 813 mm H \times 381 W \times 425 D; 100 lbs \$1,799/pr

Studio I Speaker

Two-way reflex speaker with Rogers 205-mm cast-basket Bextrene-coned woofer with high-flux magnet and KAPTON voice coil; Celestion 19-mm dome tweeter; KEF 19-mm supertweeter; crossover at 3,000 and 14,000 Hz; FR 40-28,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; power range 25-250 W; walnut, teak, black ash, or rosewood veneer; black grille cloth; 635 mm H \times 305 W \times 305 D; 31 lbs \$999/pr

LS7 Speaker

Two-way vented reflex speaker with Rogers 205-mm cast-chassis polypropylene coned woofer with high-flux magnet and KAPTON voice coil; 25-mm laser-developed soft-dome tweeter; crossover at 3,000 Hz; FR 50-18,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms; power range 10-300 W; MDF board cabinet with walnut, teak, or black ash finish; black grille cloth; 559 mm H \times 273 W \times 280 D; 30 lbs \$649/pr

LS6 Speaker

Bookshelf or floor-standing 2-way reflex vented speaker. Features 205 mm polypropylene bass/midrange woofer with high flux magnet and KAPTON voice coil; 19 mm SEAS plastic foil ferrofluid cooled and damped dome tweeter. FR 55-20,000 Hz \pm 2 dB; min power 10 W; max power 200 W; sens 89 dB SPL/W/m; imp 8 ohms. 242 mm W \times 568 mm H \times 280 mm D; 21 lbs; walnut, teak, and black ash finishes \$449/pr

LS3/5A Speaker

BBC monitor speaker with KEF 110-mm Bextrene-coned woofer; KEF 19-mm synthetic-dome tweeter; crossover at 3,000 Hz; FR 70-20,000 Hz \pm 3 dB; sens 82 dB SPL/W/m; imp 15 ohms; power range 25-75 W; walnut, teak, black ash, or rosewood veneer; black grille cloth; 300 mm H \times 185 W \times 160 D; 11.5 lbs \$449/pr

LS1 Speaker

2-way vented reflex speaker with Rogers 165 mm cast-basket polypropylene copolymer coned woofer

with high-flux magnet and KAPTON voice coil; Celestion 25 mm soft-dome tweeter; crossover at 3,000 Hz; FR 65-18,000 Hz \pm 3 dB; sens 82 dB SPL/W/m; imp 8 ohms; power range 25-100 W; MDF board cabinet with walnut, teak, or black ash finish; 16.5 lbs \$399/pr

LS2 Speaker

Bookshelf or floor-standing 2-way reflex vented speaker. Features 125 mm polypropylene bass/midrange woofer with high flux magnet and KAPTON voice coil; 19 mm SEAS plastic foil ferrofluid cooled damped dome tweeter. FR 60-20,000 Hz \pm 2 dB; min power 10 W; max power 200 W; sens 88 dB SPL/W/m; imp 8 ohms. 230 mm W \times 356 H \times 208 D; 13 lbs; walnut, teak, black ash finishes. \$299/pr

LS1 Speaker

2-way reflex vented speaker with Rogers 125 mm polypropylene copolymer coned woofer with KAPTON voice coil; SEAS 19 mm synthetic-dome tweeter with ferrofluid cooling; crossover 4,000 Hz; FR 80-20,000 Hz \pm 3 dB; sens 85 dB SPL/W/m; imp 8 ohms; power range 15-100 W; MDF board cabinet with walnut, teak, or black ash finish; black grille cloth; 10 lbs \$249/pr

LSB1 Subwoofer

Stereo subwoofer with 2 165-mm long-throw doped paper cone drivers with high-flux magnets and KAPTON voice coils; crossover at 100 Hz. FR 30-100 Hz \pm 3 dB; power range 30-100 W; MDF board cabinet with separate air-tight enclosures for each channel; 450 mm H \times 680 W \times 520 D; 29 lbs \$449/ea

Satellite Speaker Systems

3. Combination of LS3/5A speakers and LSB1 subwoofers \$898/system
2. Combination of LS2 speakers and LSB1 subwoofers \$748/system
1. Combination of LS1 speakers and LSB1 subwoofers \$698/system

Accessories

S40, S55. Black metal speaker stands \$109/pr

RTR SPEAKER

G-350B Speaker

Passive-radiator, tuned-column 3-way speaker. 10" woofer with 1 $\frac{1}{2}$ " high-temperature voice coil, gravity-dispersal dampener impregnation of cone apex; 12" passive radiator; 1 $\frac{1}{2}$ " carbon-fluid damped soft-dome midrange; 1" ferrofluid soft-dome tweeter. Features midrange, tweeter level controls; auto-reset circuit-breaker protection; color-coded pushbutton connectors; walnut-veneer finish. FR 22-25,000 Hz; crossovers 9,000 Hz, 15,000 Hz; power range 10-150 W; sens 91 dB SPL/W/m; imp 8 ohms; 38" H \times 18" W \times 11" D \$800/pr
G200B. Similar to G-350B except no 1 $\frac{1}{2}$ " midrange driver. Low-end response 42 Hz; crossover 2,500 Hz; power range 10-120 W; no midrange level control; 36" H \times 14 $\frac{1}{2}$ " W \times 12 $\frac{1}{2}$ " D \$600/pr

G-80B Speaker

Passive-radiator 2-way tuned speaker system with 8" woofer with 1 $\frac{1}{2}$ " voice coil, gravity dispersal damper impregnation, 10" passive radiator, 1" ferrofluid soft-dome tweeter. Features tweeter level control; auto-reset circuit-breaker protection; walnut vinyl finish. FR 32-25,000 Hz; crossover 2,500 Hz; power range 10-100 W continuous; sens 90 dB SPL/W/m; imp 8 ohms; 25 $\frac{1}{2}$ " H \times 14 $\frac{1}{4}$ " W \times 11" D \$400/pr
G-40B. Similar to G-80B except has 8" passive radiator. Low-end response 60 Hz; 23" H \times 12" W \times 9 $\frac{1}{2}$ " D \$320/pr

SANSUI

XL-500C Speaker

Floor placement tower 4-way passive radiator speaker system. Features ported enclosure; TCCF; polypropylene mica and carbon mid-range (PM-C); 12" passive rad; 12" TCCF cone woofer; 4 $\frac{3}{4}$ " cone midrange; 2" dome tweeter; $\frac{3}{4}$ " dome supertweeter. Max power

320 W; sens 93 dB SPL/W/m; imp 8 ohms. Available in walnut finish. 15" W x 40¹/₁₆" H x 13" D; 55 lbs \$1,000/pr

XL-900C Speaker

Infinite baffle floor-standing speaker with 12¹/₂" tri-composite carbon-fiber woofer (TCCF); 2¹/₂" ceramic midrange; 1" titanium dome tweeter. Features round-



ed cabinet edge for smoother dispersion; FR 30-35,000 Hz; max power 150 W; sens 93 dB SPL/W/m; imp 6 ohms; wood finish; 17" W x 30" H x 17" D; 58 lbs \$1,200/pr

XL-300 Speaker

Floor placement 4-way speaker system. Features ported enclosure; 3-step level control; 10¹/₂" TCCF cone woofer; 4¹/₂" PC-M cone midrange; 2" dome tweeter; ¹/₂" dome supertweeter. Max power 270 W; sens 92 dB SPL/W/m; imp 8 ohms. Available in walnut finish. 15" W x 31¹/₂" H x 9¹/₁₆" D; 46.2 lbs \$800/pr

XL-100 Speaker

Floor placement 3-way speaker system. Features ported enclosure; 3-step level control; 10¹/₂" TCCF cone woofer; 4¹/₂" PC-M cone midrange; 2" dome tweeter. Max power 200 W; sens 91 dB SPL/W/m; imp 8 ohms. Available in walnut finish. 14¹/₂" W x 26¹/₁₆" H x 12¹/₁₆" D; 28.7 lbs \$600/pr

PM-C100II Speaker

Bass-reflex bookshelf speaker with 13³/₈" polypropylene/mica/carbon cone woofer; 5¹/₂" midrange; 1" tweeter; 1" supertweeter. FR 30-40,000 Hz; max power 260 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 15" W x 26³/₈" H x 12¹/₂" D; 40 lbs \$800/pr
PM-C70II. Similar to PM-C100II with 10" woofer; max power 160 W; FR 40-30,000 Hz. 13" W x 23¹/₂" H x 12¹/₂" D \$600/pr
PM-C50. 3-way speaker system similar to PM-C70II with 8" woofer and FR 45-22,000 Hz \$300/pr

S-1117 Speaker

Three-way tower speaker with 12" woofer, passive radiator. FR 28-22,000 Hz; max power 160 W; sens 92 dB SPL/W/m; imp 8 ohms; 14" W x 41" H x 13" D \$900/pr

S-917 Speaker

Three-way acoustic-suspension speaker with 12" woofer. FR 30-22,000 Hz; max power 150 W; sens 92 dB SPL/W/m; 14¹/₂" W x 27" H x 13¹/₂" D \$450/pr

S-717. Similar to S-917 except with 10" woofer; max power 120 W; sens 91 dB SPL/W/m; 13" W x 25" x 11¹/₂" D \$290/pr

S-517. Similar to S-717 except with 8" woofer; max power 65 W; sens 90 dB SPL/W/m; 12" W x 23¹/₂" H x 10¹/₂" D \$180/pr

SCOTT

Pro-100BII Monitor Speaker

Bi-directional 3-way air-suspension floor-standing monitor speaker with 15" woofer, two 4¹/₂" midranges; three 1" dome tweeters. Features tweeter, midrange level controls; bi-directional control; tweeter

burn out protection; oiled-walnut finish; 2 removable grilles. FR 36-20,000 Hz \pm 4 dB; crossovers 700 and 3.5k Hz; sens 90 dB SPL/W/m; power range 20-300 W; imp 4 ohms \$1,590/pr

315D Air-Suspension Speaker

Features 38-cm (15") woofer; 12.7-cm (5") midrange; 2.5-cm (1") tweeter dome; 45-20,000 Hz \pm 4 dB; sens 90.5 dB SPL/W/m; imp 8 ohms; nominal power handling 50 W; crossover frequencies 1,100 Hz and 3,500 Hz; enclosure volume 73.43 liter (2.6 cu. ft.); midrange/tweeter level control \$760/pr

312D Three-Way 12" Loudspeaker

Features 1¹/₂" wide-dispersion tweeter; 5" acoustically isolated midrange; 12" high-power-construction woofer; variable midrange/tweeter high-frequency control; imp 8 ohm; power handling 10-110 W; mountain walnut finish; 26" H x 15¹/₂" W x 11¹/₂" D; 35 lb \$660/pr

311DC Three-Way 10" Loudspeaker

Features 1¹/₂" wide-dispersion tweeter; 5" acoustically isolated midrange; 10" high-compliance woofer; variable midrange/tweeter high-frequency control; minimum power 10 watts; maximum power 90 watts; mountain walnut finish; impedance 8 ohms; 23" H x 13" W x 9¹/₂" D; 25 lb \$550/pr
311D. Without high frequency control \$520/pr

312DL Air-Suspension Speaker

Three-way air-suspension floor-standing speaker with removable grille. 12" high power construction cone woofer; 5" acoustically isolated cone midrange; 1¹/₂" wide-dispersion ferrofluid cone tweeter. FR 45-20,000 Hz \pm 4 dB; min power 10 W, max 90 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut; 27.5 lbs 16¹/₂" W x 27¹/₂" H x 11" D \$540/pr

177DL Bookshelf Speaker

Air-suspension bookshelf 3-way 8" speaker. Features removable grille; 8" high compliance cone woofer; 5" acoustically isolated cone midranges; 1¹/₂" wide-dispersion ferrofluid cone tweeter. FR 55-22,000 Hz \pm 4 dB; min power 5 W, max 60 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut; 23¹/₂" lbs 13" W x 23" H x 9¹/₂" D \$350/pr

166B 2-Way Speaker

Air-suspension 2-way speaker with 16.5-cm (6¹/₂") woofers; 2.5-cm (1") dome tweeter. Contemporary finish of mountain walnut vinyl laminated over particle board with removable knit grille. Features high power construction woofer, textile dome tweeter protected against burnout. FR 55-20,000 Hz \pm 4 dB; sens 89.5 dB SPL/W/m pink noise; imp 8 ohms; nominal power handling capacity 70 W; crossover frequency 2,200 Hz; recommended amp damping factor 10 mi; enclosure volume 8.19 liter (0.29 cu ft.); power range 10-100 W; 13" H x 7¹/₁₆" W x 6¹/₂" D; 11 lb \$290/pr

208D Bookshelf Speaker

Two-way 8" speaker features 1¹/₂" wide-dispersion tweeter; 8" high-compliance woofer; minimum power 5 watts; maximum power 60 watts; impedance 8 ohms; mountain walnut finish; 21¹/₁₆" H x 11¹/₁₆" W x 8³/₈" D; 15.5 lb \$260/pr

206D Bookshelf Speaker

Two-way 6" speaker features 1¹/₂" wide-dispersion 6¹/₂" high-compliance woofer; minimum power 5 watts; maximum power 55 watts; impedance 8 ohms; mountain walnut finish; 13³/₁₆" H x 8³/₁₆" W x 7¹/₂" D; 11 lb \$220/pr

206V Acoustic Suspension Speaker

2-way 6¹/₂" video speaker. Features 6¹/₂-inch high compliance woofer with PVA cone treatment and magnetic shield; 1¹/₂-inch wide dispersion tweeter with magnetic shield. Frequency response 65-20,000 Hz \pm 4 dB; minimum power 5 watts; maximum power 55 watts; sensitivity 90 dB SPL with one watt input measured at one meter; impedance 8 ohms. 8¹/₁₆" W x 13³/₁₆" H x 7¹/₂" D; 8 lbs, 2 oz; contemporary graphite vinyl finish \$220/pr

Boston Audiophile Series

FOUR. 3-way 15" multi-directional floor placement loudspeaker. Features acoustic suspension; 15" PVA treatment, high temp VC woofer; two 4¹/₂" midranges; three 1" wide dispersion dome tweeter. FR 36-20,000 Hz \pm 4; min power 20 W; max power 320 W; sens 90 dB SPL/W/m; imp 4 ohms; contemporary walnut finish \$1600/pr

THREE. Floor placement 3-way 12" speaker system. Features acoustic suspension; 12" PVA cone treatment high temp VC, PVC neoprene surround woofer; 4¹/₂" acoustically isolated midrange; 1" wide dispersion dome tweeter. Frequency response 38-20,000 Hz \pm 4 dB; minimum power 15 watts; maximum power 250 watts; sensitivity 91.5 dB SPL with one watt input measured at one meter; impedance 8 ohms; walnut finish \$720/pr

ONE. 2-way 6-inch bookshelf speaker system. Features acoustic suspension; 6¹/₂-inch PVA cone treatment high temp VC woofer; 1-inch wide dispersion dome tweeter. Frequency response 55-20,000 Hz \pm 4; minimum power 10 watts; max power 120 watts; sensitivity 89.5 dB SPL with one watt input measured at one meter; impedance 4 ohms; oak finish \$280/pr

SHERWOOD

S-728 Speaker

Four way, Floor-standing acoustic-suspension speaker. Features 12" cone shaped passive radiator; 12" cone woofer; 5" liquid cooled cone midrange; 3" liquid cooled cone tweeter; Planar Ribbon super tweeter; removable grille; wire mesh driver protectors, furniture base. Maximum power range 120 W; imp 8 ohms; nottingham hickory vinyl finish; 51 lbs \$500/pr

S-724 Speaker

Floor-standing, 4-way acoustic-suspension speaker. Features 12-inch cone woofer; 5-inch liquid cooled cone midrange; 3-inch liquid cooled cone tweeter; Planar ribbon super tweeter; removable grilles wire mesh driver protectors; furniture base. Maximum power range 120 watts; impedance 8 ohms; nottingham hickory vinyl finish; 15¹/₂" W x 29¹/₂" H x 13" D; 36 lbs \$400/pr

S-718 Speaker

Floor-standing, 3-way acoustic-suspension speaker. Features 10" cone woofer; 5" liquid cooled cone midrange; 3" liquid cooled cone tweeter; wire mesh protectors; removable grilles; furniture base. Maximum power range 75 W; imp 8 ohms; nottingham hickory vinyl finish; 15¹/₂" W x 28¹/₂" H x 10¹/₂" D; 28 lbs \$300/pr

SNELL ACOUSTICS

Type A/III Speaker System

Floor-standing 4-way speaker designed to produce sound energy that is an exact analog of applied electrical input. Features 10" fused woofer in its own cabinet, 4" fused midrange, 1" fused tweeter mounted in separate cabinet on special curved enclosure to minimize diffraction effects, provide uniform dispersion into listening environment. Can be biamped with exclusive Snell electronic crossover specific to Type A/III. FR 34-24,000 Hz \pm 1.25 dB on axis, up to 25° off-axis; crossover 275,250 Hz, 15,000 Hz min power 80 W/ch; imp 4 ohms; 47" H x 24" W x 13" D. Hand-sanded hand-rubbed white oak cabinet \$3,890/pr
 American walnut \$3,770/pr

Type C Speaker System

Floor-standing mirror-imaged speaker utilizing front-loaded 10" long-throw woofer, 4" midrange, ¹/₄" ultra-low-mass soft-dome tweeter; rear-firing supertweeter; drivers are crossed over at 375 Hz, 3,500 Hz and 15,000 Hz for rear-firing tweeter; crossovers individually adjusted; individual inputs to low and high-frequency drivers allow speakers to be optionally bi-wired; hand-sanded hand-rubbed oak or American walnut. FR from 35-22,000 Hz \pm 1.25 dB

sens 90 dB SPL/W/2.8 V/ pink noise; nominal imp 4 ohms; power range 80-400 W/ch \$1,720/pr
Walnut \$1,800/pr

Type E/II Speaker System

Floor-standing speaker with 8" woofer, 1" dome tweeter, and ultra-low-mass 3/4" rear-firing supertweeter designed for accuracy of early-arrival sound and accuracy of listening room response. Features individual inputs for woofer and high frequency drivers for optional bi-wiring of speakers; individually adjusted crossovers; hand-sanded, hand-rubbed oak or American walnut. Frequency response 39-22,000 Hz \pm 1.75 dB; crossover frequencies 2,300 Hz and 15,000 Hz for rear-mounted supertweeter; nominal imp 8 ohms; sens 93 dB SPL/2.8 V pink noise with unit-to-unit efficiency variation less than 1/2 dB; max power handling 150 W/ch. Oak \$925/pr
Walnut \$975/pr

Type J/II Speaker System

Bookshelf speaker with polymer-treated curvilinear cone for midrange clarity and natural tonal balance; system maximizes accuracy of early arrival sound and accuracy of listening room response; individually adjusted. Features individual inputs for woofer and tweeter for optional bi-wiring of system; hand-sanded; hand-rubbed oak or American walnut. Sens 91 dB SPL/m/2.8V pink noise with unit-to-unit efficiency variation less than 0.5 dB; max power 150 W/ch; FR 50-22,000 Hz \pm 2 dB; crossover 2,300 Hz; imp 8 ohms; 23" H \times 13" W \times 10" D. Oak \$650/pr
Walnut \$680/pr

Type K Speaker System

Bookshelf acoustic-suspension speaker using 8" woofer and 3/4" tweeter; crossover at 2,300 Hz; system designed for accuracy of early arrival sound and accuracy of listening room response; woofer incorporates polymer edge-treated curvilinear cone for accurate midrange clarity and natural tonal balance; soft-dome tweeter features unique polyamide vacuum-formed diaphragm for fast transient response and wide dispersion; individually adjusted crossovers; individual inputs to low-and high-frequency drivers for bi-wiring; hand-sanded and hand-rubbed oak or American walnut. Nominal imp of 8 ohms; sens 90 dB SPL/2.8 V/m pink noise with unit-to-unit efficiency variation less than .5 dB; max power 100 W/ch; 18" H \times 13" W \times 9" D. Oak \$430 pair
Walnut \$450/pr

SOUND ASSOCIATES

Enigma Speaker

Free-standing enclosureless single-source coil subwoofer with electronic crossovers, 300 W MOSFET drive amp, and all cables. Features fail-safe, over-excitation protection device; 2 self-contained signal generators; active 3rd order (18 dB/octave) electronic crossovers; internal system polarity testing; 1" solid rock maple array frame; built-in LED monitors deep bass program content; front-panel compare switch for A/B comparing. Min power 50 W; max power 1,000 W; sens 88 dB SPL/W/m; imp 6 ohms; solid exotic hardwood finish \$2,895/pr

SOUND DYNAMICS by API

1500 Concert Monitor

Computer-tuned 2-way bass reflex, mirror imaged pairs with matched parts. Features 1" horn-loaded soft-dome tweeter with free floating dome suspension; 15" woofer with a high gauss linear forced motor system and an epoxy potting treatment. FR 28-23,000 Hz \pm 3 dB; sens 102 dB SPL/W/m; min power 20 W; max power 250 W; imp 8 ohms. Walnut grain vinyl veneer finish; base attached ... \$900/pr

700 Concert Monitor

Computer-tuned 2-way bass reflex, mirror imaged pairs with matched parts. Features 1" horn-loaded soft-dome tweeter with free floating dome suspension; 12" woofer with a high gauss linear forced motor system and an epoxy potting treatment. FR 32-23,000 Hz \pm 3 dB; sens 101 dB SPL/W/m; min power

15 W; max power 200 W; imp 8 ohms. 27 1/4" \times 14 1/4" \times 12"; 10" stands incl \$600/pr

500 Concert Monitor

Computer-tuned 2-way bass reflex, mirror imaged pairs with matched parts. Features 1" horn-loaded soft-dome tweeter with free floating dome suspension; 10" high gauss special plastic coated woofer. FR 34-23,000 Hz \pm 3 dB; sens 98.5 dB SPL/W/m; min power 10 W; max power 200 W; imp 8 ohms. 10" stands incl \$400/pr

100 Concert Monitor

Computer-tuned 2-way bass reflex, mirror imaged pairs with matched parts. Features 1" horn-loaded soft-dome tweeter with free floating dome suspension; 6" high gauss special plastic coated woofer. FR 38-23,000 Hz \pm 3 dB; sens 96 dB SPL/W/m; min power 5 W; max power 150 W; imp 8 ohms. 16 1/4" \times 9" \times 9 1/2"; 26" stands incl \$300/pr

SONAB by AUDIOSOURCE

OA-52 Speaker

Bass reflex (tuned to 38 Hz) speaker with 7" woofer and 1" dome tweeter. FR 27-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; 16 1/4" \times 20 1/4" \times 14 1/2"; rosewood/walnut veneers \$1,500/pr

OA-51 Speaker

Bass reflex (tuned to 38 Hz) speaker with 7" woofer and 1" dome tweeter. FR 32-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. 16 1/4" \times 11 1/4" \times 10 1/4"; rosewood/walnut veneers \$900/pr

OA-50 Speaker

Bass reflex (tuned to 30 Hz) speaker with 6 1/2" woofer and 1" dome tweeter. FR 28-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; 14 1/2" \times 18 3/4" \times 12 1/4"; 33 1/2 lbs; walnut/black/oak \$720

SONY

APM-77W Square-Driver Speaker

Floor standing speaker with flat, square, APM drivers. Contains honeycomb square woofer; honeycomb square midrange; 1 honeycomb square tweeter. FR 28 Hz-20,000 Hz \pm 4/-8 dB; min power 30 W, max 200 W; sens 91 dB/SPL/W/m; imp 8 ohms; oiled walnut finish \$2,400/pr

APM-55W Square-Driver Speaker

Speaker with flat, square APM drivers. Honeycomb square woofer; honeycomb square midrange; honeycomb square tweeter. FR 32-20,000 Hz \pm 4/-0 dB; min power 25 W, max 200 W; sens 91 dB SPL/W/m; imp 8 ohms; oiled walnut finish \$1,600/pr

APM-33W Bookshelf Speaker

Bookshelf speaker with flat, square APM drivers. Features honeycomb woofer; honeycomb square tweeter. FR 30-20,000 Hz \pm 4/-0 dB; min power 20 W, max 160 W; sens 91 dB SPL/W/m; imp 8 ohms; walnut oiled finish; 34 lb; 14" W \times 24" H \times 11" D \$800/pr

APM-707 Bookshelf Speaker

Bookshelf speaker with flat, square APM drivers. Features honeycomb square passive radiator; honeycomb square woofer; honeycomb square tweeter. FR 40-20,000 Hz; min power 15 W, max 160 W; sens 90 dB SPL/W/m; imp 6 ohms \$400/pr

SPEAKERLAB

DAS Series Speakers

DAS-8. Floor placement speaker with Inverse Axis Alignment (IAA); computer-designed rear vent, and rear-mounted subwoofer. Features one 10" and one 12" woofer; 1" dome tweeter; one 6" cone and one 3" dome midrange. Crossover 150, 350, 1,500, 5,000 Hz; sens 94 dB SPL/W/m; imp 4 ohms; FR 23-21,000 Hz \pm 3 dB; min power 20 W RMS/ch; max power 300 W RMS/ch \$1,798/pr

DAS-7. Floor placement speaker with IAA, computer-designed rear vent, and rear-mounted subwoofer. Features 10" and 12" woofers; 1" dome tweeter;

6 1/2" cone midrange. Crossover 180, 350, 3,000 Hz; sens 94 dB SPL/W/m; imp 4 ohms; FR 25-21,000 Hz \pm 3 dB; min power 20 W RMS/ch; max power 275 W RMS/ch \$998/pr

DAS-6. Floor placement speaker with IAA, computer-designed rear vent, and rear-mounted subwoofer. Features one 8" and one 10" woofer; 1" dome tweeter. Crossover 180, 2,500 Hz; sens 94 dB SPL/W/m; imp 4 ohms; FR 30-21,000 Hz \pm 3 dB; min power 20 W RMS/ch; max power 275 W RMS/ch ... \$798/pr

DAS-5. Bookshelf or floor placement speaker with IAA, computer-designed rear vent, and rear mounted subwoofer. Features one 8" and one 6 1/2" woofer; 1" dome tweeter. Crossover 180, 2,500 Hz; sens 93 dB SPL/W/m; imp 4 ohms; FR 34-21,000 Hz \pm 3 dB; min power 20 W RMS/ch; max power 175 W RMS/ch. 31" H \times 11" W \times 13" D; 47 lbs \$598/pr

DAS-4. Bookshelf or floor placement speaker with IAA and computer-designed rear vent. Features 8" woofer; 3/4" dome tweeter. Crossover 2,500 Hz; sens 92 dB SPL/W/m; imp 4 ohms; FR 36-21,000 Hz \pm 3 dB; min power 20 W RMS/ch; max power 100 W RMS/ch. 28" H \times 10" W \times 12" D; 39 lbs \$398/pr

DAS-3. Bookshelf or floor placement speaker with IAA and computer-designed rear vent. Features 8" woofer; 3/4" dome tweeter. Crossover 2,500 Hz; sens 91



dB SPL/W/m; imp 4 ohms; FR 42-21,000 Hz \pm 3 dB; min power 10 W RMS/ch; max power 100 W RMS/ch. 21" H \times 8" W \times 10" D; 23 lbs \$298/pr

DAS-SW Subwoofer

Features computer-designed rear vent; 10" dual-voice-coil woofer. Crossover 150 Hz; sens 92 dB SPL/W/m; imp 8 ohms; FR 30-160 Hz \pm 3 dB; min power 20 W RMS/ch; max power 150 W RMS/ch. 18" H \times 18" W \times 18" D; 62 lbs \$329/ea

SPECTRUM LOUDSPEAKERS

Aurora 3A Floor-Standing Speaker

Theile-aligned reflex speaker intended for floor placement on special stands. Contains 8" polypropylene cone woofer; 2" dome midrange; 1.4" soft-dome tweeter. FR 32-30,000 Hz \pm 1.5 dB; power range 20-300 W; imp 4 ohms \$895/pr
Black lacquered stands \$55/pr

208A Floor-Standing Speaker

Theile-loaded reflex speaker. Features 8" cone woofer; 1.5" cone tweeter; 0.5" aluminum dome radiator. Power range 10-100 W; FR 38-20,000 \pm 3 dB; sens 91 dB SPL/W/m; 40 lb ea; furniture-grade walnut-vinyl finish; 14.5" W \times 25.5" H \times 10.5" D \$295/pr
Walnut veneer finish \$395/pr

108A Bookshelf Speaker

Theile optimized reflex bookshelf speaker. Features 8" cone woofer; 1 1/2" cone tweeter with aluminum

domed radiator. FR 48-20,000 Hz ± 4 dB; min power 10 W, max 100 W; sens 92 dB SPL W/m; imp 8 ohms; walnut-vinyl finish \$195/pr
Hand-varnished walnut finish \$275

SPICA

TC-50 Bookshelf Speaker

Acoustic-suspension bookshelf speaker with triangular shape allowing system to be within 15° of absolute phase from 350-5,000 Hz. 6" cone woofer, 1" dome tweeter. FR 58-14,000 Hz ± 3 dB; power range 25-50 W, 100 W peak; sens 83 dB SPL/W/m; imp 4 ohms; 13" W \times 15.55" H \times 11.75" D; 21 lbs ea. Oak veneer \$450/pr
Walnut formica \$420/pr

Servo Subwoofer

Floor placement sealed-box subwoofer with servo amplifier. Features 8" with 1" peak to peak excursion woofer; 70 W RMS minimum amplifier; servo feedback system; crossover. System resonance/Q 30 Hz, total Q 0.5; low freq extension -3 dB at 25 Hz; input imp 110 kohms open, 10 kohms 1 input shorted. 17.5" W \times 14.5" H \times 15.88 D; 47 lbs; oak/walnut wood veneer \$595/ea

STAX

ELS-F81 Panel Speaker

Electrostatic floor-standing panel speaker with phase-coherent mono driver system, bipolar radiation. Features signal-delay device for wide dispersion. FR 20-20,000 Hz -10 dB; power range 100-300 W; sens 83 dB SPL/W/m; imp 8 ohms; teak finish; 450 mm W \times 1,020 H \times 290 D; 44 lbs ea \$3,100/pr

SUMO by ALL-AMERICAN AUDIO

Opus One Speaker

Features woofer with 1½" voice coil, high temperature bobbin, 3 lb magnet; 1" dome damped tweeter with 1½ lb magnet. FR 42-24,000 Hz +0 dB, -3 dB; imp 4 ohms; max power 250 W; group delay ± 0.2 m/sec, 100-20,000 Hz; sens 82 dB SPL/W/m. 12" W \times 36" H \times 14" D; ¾" fiber-pine core with natural oak veneer finish \$699/pr

SYMDEX

Epsilon Floor-Standing Speaker

Sealed-box speaker with modular phase-linear crossovers. Features time-aligned drivers; polpropylene capacitors in crossover; 10" cone woofer; 6½" cone midrange; 1" soft-dome tweeter. Power range 50-250 W; sens 85 dB SPL/W/m; imp 8 ohms; 13" W \times 46" H \times 13" D; 80 lbs; black cloth with oak or black top plate; computer-matched pairs \$1,495/pr

Sigma 2-Way Speaker

Acoustic-suspension speaker with 6½" bextrene cone woofer and 1" soft conic dome tweeter. Features physically time-aligned drivers; movable track-mounted tweeter; linear-phase crossover network; cut-away cabinetry for min diffraction; 2 sets of input terminals for bi-wiring. FR 60-20,000 Hz ± 1 dB; 10" W \times 22" H \times 6" D; black-lacquer formica, walnut with black grilles; computer-matched pairs \$795/pr

Omega Woofer

Specially designed add-on woofer system with 10" bextrene driver for use with Symdex Sigma (above) to form integrated 3-way system with increased dynamic range and power handling; contains a passive crossover network for interfacing with the Sigma as well as provision for biamping; gold pin and socket interconnect to Sigmas (no jumpers); FR to 40 Hz; 13½" W \times 31" H \times 13½" D; sold in computer-matched pairs with same finish options as Sigma \$1,095/pr

SYNTHESIS

LM300 Speaker

Features 10-inch woofer; 5-inch idrange; 1-inch dome tweeter. Frequency response 30-20,000 Hz ± 2 dB; min power 10 W; max power 100 W;

impedance 8 ohms; oak finish with brown grille; 17" W \times 44" H \times 17" D; 70 lbs \$1,995/pr

LM250 Speaker

Floor-standing ported speaker with 8" cone woofer and 1" dome tweeter. FR 42-20,000 Hz ± 2 dB; power range 10-80 W; sens 92 dB SPL/W/m; imp 8 ohms; oak finish with cream or brown grille; 10.625" W \times 33.75" H \times 10.625" D; 45 lbs .. \$1,185/pr
LM250D. Same as LM250 except designer oak cabinet \$1,450/pr

LM200 Speaker

Floor-standing speaker with 6.5" cone woofer and 1" dome tweeter. FR 44-20,000 Hz ± 2 dB; power range 10-60 W; sens 89 dB SPL/W/m; imp 8 ohms; oak finish with cream or brown grille; 10" W \times 33.75" H \times 10" D \$850/pr

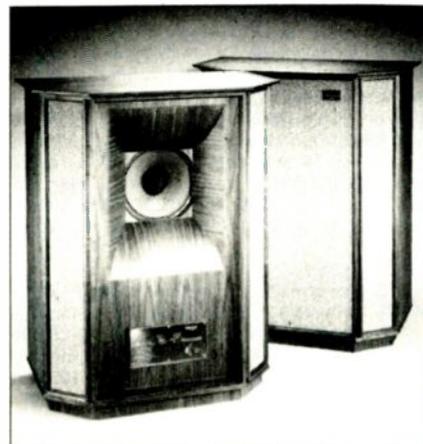
LM20 Speaker

Bookshelf ported speaker with 6.5" cone woofer and 1" dome tweeter. FR 52-18,000 Hz ± 2 dB; power range 10-50 W; sens 90 dB SPL/W/m; imp 8 ohms; oak finish with brown grille; 10" W \times 14.5" H \times 14.5" D; 18 lbs \$600/pr

TANNOY

Prestige Series

Westminster. Floor-standing dual-concentric speaker with Sync Source® time alignment. Features compound horn enclosure; 15" cone woofer; 2" compression horn tweeter. FR 18-20,000 Hz ± 2 dB; min



power 10 W; max power 200 W; sens 96 dB SPL/W/m; imp 8 ohms. 43" W \times 59" H \times 28" D; 253 lbs/ea; walnut finish \$6,000/pr

Guy R. Foundation Memory. Floor-standing dual-concentric speaker with Sync Source® time alignment. Features quadruple ducted-port enclosure; 15" cone woofer; 2" compression horn tweeter. FR 29-20,000 Hz ± 2 dB; min power 10 W; max power 200 W; sens 95 dB SPL/W/m; imp 8 ohms; walnut .. \$3,598/pr
Edinburgh. Floor-standing dual concentric speakers with Sync Source® time alignment. Features distributed port reflex enclosure; 12" cone woofer; 2" compression horn tweeter. FR 30-20,000 Hz ± 2 dB; min power 10 W; max power 200 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut finish ... \$3,198/pr
Stirling. Floor-standing dual concentric speaker with Sync Source® time alignment. Features dual variable distributed enclosure; 10" cone woofer; 2" compression horn tweeter. FR 35-20,000 Hz ± 2 dB; min power 10 W; max power 150 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut finish ... \$2,358/pr

Albury SY120 Speaker

Bass-reflex floor-standing speaker with 2" dome tweeter/midrange mounted concentrically behind 15" cone woofer. FR 35-20,000 Hz ± 3 dB; power range 10-250 W; sens 95 dB SPL/W/m; imp 8 ohms; walnut-veneer finish \$1,998/pr

Bradley SY80 Speaker

Bass-reflex floor-standing speaker with 2" dome midrange/tweeter mounted concentrically behind

12" cone woofer. FR 38-20,000 Hz ± 3 dB; power range 10-180 W; sens 93 dB SPL 1/W/m; imp 8 ohms; walnut veneer finish \$1,498/pr

Chertsy SY60 Speaker

Bass-reflex bookshelf speaker, to be used on stand for floor placement. Contains 2" midrange/tweeter mounted concentrically behind 12" cone woofer. FR 42-20,000 Hz ± 3 dB; power range 10-180 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 16" W \times 23" H \times 10.5" D; \$1,298/pr

Darking SY40 Speaker

Bass-reflex bookshelf speaker, to be used on stand for floor placement. 1½" dome midrange/tweeter mounted concentrically behind 10" cone woofer. FR 45-20 Hz ± 3 dB; power range 10-120 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 14" W \times 20.5" H \times 10.5" D \$1,148/pr

Esher SY-30 Speaker

Bass-reflex bookshelf speaker, to be used with stand for floor placement. 1½" dome tweeter mounted concentrically behind 8" cone woofer. FR 45-20,000 Hz ± 3 dB; power range 10-100 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 12.5" W \times 18" H \times 10.5" D \$998/pr

Jupiter J-40 Speaker

Bass reflex-suspension bookshelf speaker, to be used on stands for floor placement. Incorporates sync-source Time Alignment System; 1" dome tweeter, 8" mid-bass cone. FR 42-20,000 Hz ± 3 dB; power range 10-120 W; sens 91 dB SPL/W/m; imp 8 ohms; Canoleto walnut finish; 12½" W \times 23" H \times 11" D; 30 lbs \$858/pr

Oxford T-125 Speaker

Bass-reflex bookshelf speaker, to be used on stands for floor placement. 1" compression horn midrange, 10" cone woofer. FR 50-20,000 Hz ± 3 dB; power range 10-150 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut veneer finish; 13" W \times 22" H \times 10½" D; 27 lbs \$658/pr

Venus V-30 Speaker

Bass-reflex bookshelf speaker, to be used on stands for floor placement; incorporates Syn-Source, Tannoy's World Patented Time Alignment System; 1, 8" midbass cone woofer; 1" midrange mid bass cone; 1" dome tweeter. FR 50-20,000 Hz ± 3 dB; power range 10-100 W; sens 93 dB SPL/W/m; imp 8 ohms; Canoleto walnut finish; 12" W \times 21" H \times 10" D; 12 lbs \$598/pr

Saturn S-25 Speaker

Bass-reflex bookshelf speaker, to be used on stand for floor placement, with computer-designed phasing plate on tweeter for proper air loading. 8" cone woofer; 1" dome tweeter. FR 50-20,000 Hz ± 3 dB; power range 10-100 W; sens 93 dB SPL/W/m; imp 8 ohms walnut vinyl finish; 12" W \times 21" H \times 10" D; 21 lbs \$458/pr

Stafford T-110 Speaker

Bass-reflex bookshelf speaker, to be used on stand for floor placement, with 8" cone woofer, 1" compression horn tweeter. FR 53-20,000 Hz ± 3 dB; power range 10-100 W; sens 93 dB SPL/W/m; imp 8 ohms, walnut vinyl finish \$398/pr

Mercury M-20 Speaker

Bass-reflex bookshelf speaker, to be used on stand for floor placement, with 8" polyolefin copolymer cone woofer, 1" dome tweeter. FR 55-20,000 Hz ± 3 dB; power range 10-100 W; sens 93 dB SPL/W/m; imp 8 ohms; walnut vinyl finish \$358/pr

Titan T-15 Speaker

Infinite-baffle bookshelf speaker with angled front baffle for easy room placement and proper stereo imaging. To be placed flat against wall, or very close to. 6½" cone woofer; 1" dome tweeter. Frequency response 55-20,000 Hz ± 3 dB; minimum power 10 watts; maximum power 80 watts; sensitivity 91 dB SPL/W/m; imp 8 ohms; walnut vinyl finish \$258/pr

TECHNICS

SB-M3 Speaker

Ported floor-standing 3-way honeycomb linear-phase disc speaker. Right-left mirror image cabinets. Tweeter and mid-range attenuators. Low-noise crossover network, 18 dB/octave mid-high crossover. Heavy-duty terminals accommodate large-gauge speaker wires. Resettable thermal relay protection. Contains 13" honeycomb disc woofer; 3 1/8" honeycomb disc midrange; 1 1/8" honeycomb disc tweeter. FR 38-35,000 Hz \pm 5 dB; max power 200 W music, 100 W DIN; sens 90 dB SPL/W/m; imp 6 ohms; walnut grain; 68.3 lbs; 15 1/2" W \times 26 1/8" H \times 13 1/4" D \$1,800/pr

SB-M5 Speaker

Ported floor-standing 3-way honeycomb disc linear-phase speaker. Right-left mirror image cabinets. Tweeter and midrange attenuators; low-distortion crossover network with ferrite-core coils; heavy-duty terminals accommodate large-gauge speaker wiring; resettable thermal-relay protected. Contains 10" honeycomb disc woofer; 3 1/8" honeycomb disc midrange; 1 1/8" honeycomb disc tweeter. FR 43-33,000 Hz \pm 5 dB; max power 160 W music, 80 W DIN; sens 92 dB SPL/W/m; imp 6 ohms; walnut grain \$800/pr

SB-R200 Speaker

Ported (passive radiator) speaker for wall mounting. Features concentric coaxial honeycomb-disc drivers, outermost of which is a passive radiator, all in the same plane for phase linearity. Resettable thermal relay protection; internally shielded. Includes wall-kit, angled stands and flat speaker cables. 12 1/2" honeycomb passive radiator; honeycomb disc woofer; honeycomb disc tweeter. FR 65-25,000 Hz \pm 5; max power 160 W music, 80 W DIN; imp 8 ohms; available in black \$600/pr

SB-X700 Speaker

Floor-standing ported speaker. Features thermal relay protection; easy to use speaker connections; 12" honeycomb disc woofer; 3 1/8" honeycomb disc midrange; 1 1/8" honeycomb disc tweeter. FR 35-30,000 Hz \pm 10 dB; maximum power 180 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut grain finish \$550/pr

SB-X500A Speaker

Floor-standing ported speaker. Features thermal relay protection; easy to use connections; 10" honeycomb disc woofer; 3 1/8" honeycomb disc midrange; 1 1/8" honeycomb disc tweeter. FR 37-30,000 Hz \pm 10 dB; maximum power 130 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut grain finish \$400/pr

SB-X300A Speaker

Floor-standing ported speaker. Features thermal relay protection; easy to use speaker connections; 9" honeycomb disc woofer; 2" honeycomb disc midrange; 1 1/8" honeycomb disc tweeter. FR 45-30,000 Hz \pm 10 dB; maximum power 110 W; sens 90 dB SPL/W/m; imp 8 ohms; walnut grain finish; 12" W \times 22 1/8" H \times 10 1/2" D; 21 lbs \$300/pr

Micro Series**SB-F10 Bookshelf Speaker**

Micro-size 2-way bookshelf speaker with 4" woofer, horn tweeter. Features die-cast aluminum cabinet. Imp 8 ohms; max power 90 W music; sens 86 dB SPL/W/m; 8.3" H \times 5" D \times 4.6" W \$240/pr

SB-F30 3-Way Honeycomb Disc Speaker System

4 1/8" woofer, 1 1/8" midrange, and 1 1/8" tweeter in honeycomb driver format. Imp 8 or 4 ohms, input power at 4 ohms 60 W music, 30 W DIN; at 4 ohms 40 W music, 20 W DIN; output level at 8 ohms 86 dB/W/m; at 4 ohms 85 dB/W/m; crossover frequencies 1.6 kHz, 4.5 kHz \$340/pr

SB-F2MK2 Speaker

Sealed box mini speaker in die-cast metal enclosure. Internally shielded. Resettable thermal relay protection. Protective metal grilles. Honeycomb disc drivers. Switchable 4/8 ohm imp; tripod mountable. Linear phase design. Contains 5 1/2" honeycomb disc woofer; 1 1/8" honeycomb disc tweeter. FR 55-33,000 Hz \pm 5;

max power 100 W music, 50 W DIN; sens 88 dB SPL/W/m; imp 4/8 ohms; metallic \$300/pr

SB-R100 Speaker

Ported (passive radiator) speaker for wall mounting. Features 3 concentric coaxial honeycomb disc drivers, outermost of which is a passive radiator, all in the same plane for phase linearity. Features resettable thermal relay protection; internally shielded; includes wall-mounting kit and flat speaker cables. Contains 10" (outer diameter) honeycomb disc passive radiator; honeycomb disc woofer; 1 honeycomb disc midrange; 1 honeycomb disc tweeter. FR 70-25,000 Hz \pm 5 dB; max power 100 W music, 50 W DIN; sens 87 dB SPL/W/m; imp 8 ohms; available in black \$260/pr

SB-L72 Speaker

Ported floor-standing linear-phase speaker. Contains 12" cone woofer; 2 1/8" cone tweeter; heat-resistant horn supertweeter. FR 45-25,000 Hz \pm 5 dB; sens 92 dB SPL/W/m; imp 8 ohms; woodgrain; 23 lbs; 14 1/4" W \times 27 1/4" H \times 12 1/4" D \$250/pr

SB-F1MK2 Speaker

Sealed box mini speaker in die-cast metal enclosure. Internally shielded. Resettable thermal relay protection. Protective metal grilles. Honeycomb disc drivers. Switchable 4/8-ohm imp; tripod mountable; linear-phase design. Contains 4 1/2" honeycomb disc woofer; 1 1/8" honeycomb disc tweeter. FR 65-33,000 Hz \pm 5 dB; max power 80 W music, 40 W DIN; sens 86 dB SPL/W/m; metallic \$220/pr

SB-F10 3-Way Speaker System

3-way system with 14-cm (5 1/2") cone woofer, 6-cm (2 3/8") cone midrange; 1.4 cm (1/8") dome tweeter; heavy-duty enclosure; thermal relay protection. Can be used at 8 ohms for 60 W music, 30 W DIN with 87 dB W/M or at 4 ohms for 100 W music, 50 W DIN with 88dB W/M; crossover frequencies 4,000 Hz, 15,000 Hz; FR at 8 ohms 80-20,000 Hz closed mode, 75-20,000 Hz bass reflex, at 4 ohms 85-20,000 Hz closed mode, 80-20,000 Hz bass reflex mode; 12 1/2" \times 6 1/2" \times 7 1/8"; 5.5 lb .. \$220/pr

SB-L52 Speaker

Ported floor-standing linear-phase speaker. supertweeter. Contains 10" cone woofer; 2 1/8" cone tweeter; heat-resistant horn supertweeter. FR 50-25,000 Hz \pm 5 dB; max power 120 W music, 60 W DIN; imp 8 ohms; woodgrain finish \$200/pr

SB-L32 Speaker

Ported floor-standing speaker with linear-phase design. 10" cone woofer; 2 1/8" cone tweeter. FR 60-20,000 Hz \pm 5 dB; sens 92 dB SPL/W/m; imp 8 ohms; wood-grain finish \$140/pr

Accessories

SH-S1. Tripod stand for SB-F1, SB-F2 speakers \$50

SH-S2. Angle mount for SB-F1, SB-F2 \$40

SH-S3. Suspension chain, bracket for SB-F2 \$30

THIEL

CS-3 Coherent Source Loudspeaker

3-way loudspeaker with 28-mm soft-dome tweeter, 11-cm midrange, and 25-cm woofer. Drivers positioned along a sloping baffle, crossover network drivers complementing characteristics of drivers in their enclosures. Features electronic bass equalizer; die-cast magnesium driver baskets; polypropylene crossover network capacitors; cabinets finished with genuine teak veneer and a natural lacquer finish. FR 22-18,000 Hz \pm 1.5 dB; imp 4 ohms min; sens 89 dB SPL/W/m; input power 40-250 W .. \$1,950/pr

Model 04a Speaker

Coherent-source floor-standing 2-way speaker with 6 1/2" woofer/midrange, 1" soft-dome tweeter. Frequency response 50-15,000 Hz \pm 2 dB; crossover 2,500 Hz; sens 87 dB/W/m; minimum power 20 watts; maximum power 150 watts; impedance 8 ohms; teak finish with walnut, oak, rosewood, or black finishes available on special order; 36" H \times 10" W \times 10" D \$750/pr

CS 2 Coherent Source Speaker

Floor-standing ported speaker. Completely time and phase coherent. Time coherence achieved with sloping baffle; phase coherence achieved with synthesized first-order crossover networks. Features anti-diffraction grille; cast magnesium driver baskets; polypropylene crossover capacitors; 8" cone woofer; 3" cone midrange; 28 mm dome tweeter. FR 43-20,000 Hz \pm 2 dB; power range 40-250 W; sens 87 dB SPL/W/m; imp 6 ohms; teak finish \$1,350/pr

3D ACOUSTICS

3D Speaker System

Three-piece speaker system; 2 acoustic-suspension bookshelf satellite systems with 6" midrange, 1" cport floor-standing bass module with 10" high-compliance, low-resonance woofer. FR 32-20,000 Hz; crossovers 100 and 2,000 Hz; power range 30-150 W/ch continuous; imp 8 ohms; oiled walnut veneer cabinet; satellites 14" H \times 8 1/2" D \times 7 1/4" W; woofer 24" H \times 16" W \times 13 1/4" D \$495/system
Stands for satellites \$65/pr

3D Legend 403 Speaker

Floor-standing 3-way speaker with 6" polystyrene cone woofer crossed over at 2,000 Hz to 1" cloth-dome tweeter. Features foam-encased 8" passive radiator; 3-sided black cloth grille; oiled walnut veneer cabinet. FR 44-20,000 Hz; min power 30 W/ch rms; max power 150 W/ch rms; nominal imp 8 ohms \$440/pr
Optional wedge pedestal to optimize vertical presentation \$12/pr

3D 303 Speaker

Bookshelf acoustic-suspension/passive speaker. Features rear-mounted 8" passive cone/rubber roll radiator; controlled-output 6 1/2" cone/rubber roll woofer; 1" cloth dome tweeter, foam-encased. FR 44-20,000 Hz \pm 2 1/2 dB; power range 25-150 W; sens 88 dB SPL/W/m; imp 8 ohms; oiled walnut veneer; 11" W \times 19" H \times 10.5" D; 24 lbs \$385/pr

3D Cube Speaker

Bookshelf speaker with 6" controlled-output woofer, 1/4" polycarbonate dome tweeter. Features oiled-walnut veneer cabinet; 3-sided black cloth grille. Frequency response 70-25,000 Hz \pm 2 dB; crossover 2.5 kHz; power range 15-150 W; impedance 8 ohms; 9 1/4" H \times 9 1/4" W \times 9 1/4" D \$195/pr

TRIAD DESIGN

System Two Speaker

Floor-standing acoustic-suspension speaker. Features time offset corrected satellite mounted on stand with woofer and 70 W built-in amplifier (in each stand); 6 1/2" polypropylene cone woofer; 3 1/2" treated paper cone midrange; 1/4" ferrofluid cooled dome tweeter. FR 35-20,000 Hz \pm 4 dB; power range 25-200 W; sens 87 dB SPL/W/m; imp 8 ohms; oak, walnut, or zebra wood finish; 8" W \times 35" H \times 8" D \$800/four piece system

System One Speaker

Three piece all acoustic-suspension speakers. Features two time offset connected satellites; infinitely adjustable volume control; 6 1/2" polypropylene cone woofer; 3 1/2" treated cone midrange; 1/4" ferrofluid cooled dome tweeter. FR 45-20,000 Hz \pm 4 dB; power range 25-200 W; sens 87 dB SPL/W/m; imp 8 ohms; oak or walnut finish; 5 1/2" W \times 8 1/4" H \times 5" D; 20 lbs \$525/three piece system

HSW-400 Speaker

Floor-standing acoustic-suspension speaker. Features powered woofer with two opposing 8-inch woofers designed to cancel cabinet resonances and couple with floor and back wall when placed near a wall; contains built-in 70-watt power amplifier to allow operation below resonance; two 8-inch polypropylene cone woofers. Frequency response 25-90 Hz \pm 3 dB; min power 5 watts; max power 200 watts; impedance 1,000 ohms. Available in walnut finish; 14" W \times 14" H \times 11" D; 24 lbs. Only one required \$400 ea

HSS-400 Speaker

Acoustic-suspension speaker with unique shape that produces proper time-offset correction. Features 6½" polypropylene cone woofer; 1" dome tweeter. FR 90-16,000 Hz ±3 dB; power range 10-100 W; sens 89 dB SPL/W/m; imp 8 ohms; walnut finish; 14" W × 18" H × 8" D; 13 lbs \$400/pr

HSS-300 Speaker

Bookshelf acoustic-suspension speaker. Features time offset corrected satellite designed to match HSW-300; Triad powered woofer crossover designed for minimum phase shift. Features 6½" polypropylene cone woofer; 1" dome tweeter. FR 90-16,000 Hz ±3 dB; power range 10-100 W; sens 89 dB SPL/W/m; imp 8 ohms; oak, walnut finish; 8" W × 12" H × 12" D; 11 lbs \$350/pr

HSW-200 Speaker

Floor-standing acoustic-suspension speaker. Features 70 W powered amplifier to allow operation below resonance; two 6½" polypropylene cone woofer. FR 35-120 Hz ±3 dB; power range 5-200 W; imp 1,000 ohms; oak, walnut finish; 15" W × 8" H × 11" D; 19 lbs \$325/only one required

HSW-300 Speaker

Floor-standing acoustic-suspension speaker. Features powered woofer to augment bass performance of small to medium sized speakers; 70 W power amplifier to allow operation below resonance; 8" polypropylene. FR 25-90 Hz ±3 dB; power range 5-200 W; imp 1,000 ohms; oak, walnut finish; 12" W × 10" H × 11" D; 18 lbs \$300/only one required

HSW-100 Speaker

Acoustic-suspension speaker with powered woofer to augment bass performance. Features 70 W power amplifier; suitable for video systems; 6½" polypropylene cone woofer. FR 35-120 Hz ±3 dB; power range 5-200 W; imp 1,000 ohms; oak, walnut finish; 12" W × 8" H × 11" D; 14 lbs \$250/only one required

VANDERSTEEN AUDIO**Model 4 Speaker**

Floor-standing aligned dynamically sealed 5-way speaker in cast basket. Features two 12" cone subwoofers; 8" cone woofer; 4½" cone midrange; 1½" dome tweeter; ¾" dome supertweeter. FR 26-30,000 Hz ±2 dB; power range 100-200 W; sens 89 dB SPL/W/m; imp 4 ohms; oak/walnut \$3,250/pr

Model 2C Speaker

Floor-standing 4-way bi-wired speaker. Features 10" cone subwoofer; 8" cone woofer; 4½" cone midrange; 1" dome tweeter. FR 29-21,000 Hz ±2 dB; power range 40-150 W; sens 89 dB SPL/W/m; imp 8 ohms; oak or walnut \$1,125/pr

2W Subwoofer

Floor-standing sealed speaker with three 8" cone woofers. Features 200 W internal amp; cast basket; crossover. FR 26-80 Hz ±3 dB; sens 82-94 dB SPL/W/m; oak or walnut \$1,200/ea

Model 1B Speaker

Two-way floor-standing ported speaker. Features 8" cone woofer; 1" dome tweeter. FR 38-20,000 Hz ±3 dB; power range 20 W; sens 100 dB SPL/W/m; imp 8 ohms; oak or walnut \$650/pr

VELODYNE ACOUSTICS INC.**ULD-15 Subwoofer**

Floor-standing box speaker with 350 W RMS mated amp. Features 15" down firing servo controlled subwoofer. FR 20-100 Hz ±3 dB; max power 350 W; available in walnut, oak/matte black \$1,195/ea
ULD-18. Similar to above with 18" down firing cone subwoofer \$2,000/ea

VIBE ACOUSTICS**STD-1 Studio Monitor**

Bookshelf bass-reflex speaker. Features quasi-3rd or-

der Butterworth alignment; adjustable treble and midrange; bass boost switch adds 3 dB of bass; time-phase coherent. Speakers house 12" cone woofer; 2" dome midrange; 1" dome tweeter. FR 38-20,000 Hz ±3 dB; power range 15-250 W; sens 91 dB SPL/W/m; imp 8 ohms; oiled walnut/black grille; 14½" W × 28½" H × 13½" D; 50 lbs . \$770/pr

M-1 Mini Monitor

Bookshelf closed box speaker. Features 6½" cone woofer; 1" dome tweeter. FR 70-20,000 Hz ±3 dB; power range 15-100 W; sens 87 dB SPL/W/m; imp 8 ohms; oiled walnut \$350/pr

WHARFEDALE**Diamond Speaker**

Ported 2-way bookshelf speaker designed for rear-wall placement. Bass alignment uses 5th-order computer-optimized reflex; 4¼" cone, ¾" dome tweeter. Power range 20-75 W; sens 86 dB SPL/W/m; imp 8 ohms; walnut finish \$190/pr

506 Speaker

Acoustic-suspension speaker. Features ¾" metal-dome tweeter; 8" paper cone bayonet-mounted woofer; rigid cabinet design; fully soldered internal wiring; computer grade crossover board; five-way terminals. FR 40-40,000 Hz (DIN); power range 15-75 W; sens 88 dB SPL/W/m; imp 8 ohms; walnut effect finish; 10½" W × 18½" H × 9" D \$300/pr

508 Speaker

Acoustic-suspension speaker. Features ¾" metal-dome tweeter; 8" propylene cone bayonet-mounted woofer; rigid cabinet design; fully soldered internal wiring; computer grade crossover board; five-way terminals. FR 38-40,000 Hz (DIN); power range 15-100 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut effect finish; 11" W × 21" H × 9" D \$450/pr

708 Speaker

Acoustic-suspension speaker. Features ¾" metal-dome tweeter; 8" propylene cone bayonet-mounted woofer; lightweight "sandwich" cabinet with melamine construction; fully soldered internal wiring; computer grade crossover board; five-way terminals. FR 40-40,000 Hz (DIN); power range 15-100 W; sens 87 dB SPL/W/m; gray Italian veneer or black wood finish; 10" W × 19¼" H × 9" D \$750/pr

Option 1 Loudspeaker

Dipole floor-standing speaker designed to be perpendicular to rear wall so bass and midrange radiate as a dipole to overcome effects of listening room. Midrange and tweeter mounted in swiveling enclosure. Four separate 150-W amps power drivers through 4-way electronic crossovers. Subwoofer is switchable to extend bass response to 25 Hz, uses modified 6th-order reflex alignment. 90-liter enclosure covered with honeycomb fiberglass/aluminum layers for stiffness and low mass. FR 35-20,000 Hz ±3 dB; max power 600 W; white finish \$12,500/pr

302 Speaker

Acoustic-suspension speaker. Features ¾" plastic dome tweeter; 6½" paper cone woofer; rigid cabinet design; fully soldered internal wiring; five-way terminals. FR 50-25,000 Hz; power range 15-75 W; sens 90 dB SPL/W/m; walnut/black wood finish \$160/pr

304 Speaker

Acoustic-suspension speaker. Features ¾" plastic dome tweeter; 8" paper cone woofer; rigid cabinet design; fully soldered internal wiring; five-way terminals. FR 45-25,000 Hz; power range 15-85 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut or black wood effect finish; 10" W × 19" H × 7" D \$240/pr

306 Speaker

Acoustic-suspension speaker. Features ¾" plastic dome tweeter; 4" paper cone midrange; 8" paper cone woofer; rigid cabinet design; fully soldered internal wiring; five-way terminals. FR 40-25,000 Hz; power range 15-100 W; sens 92 dB SPL/W/m; imp 8 ohms; walnut/black wood finish \$300/pr

308 Speaker

Acoustic-suspension speaker. Features ¾" plastic dome tweeter; two 8" paper cone woofers; rigid cabinet design; fully soldered internal wiring; five-way terminals. FR 40-25,000 Hz; power range 15-120 W; sens 94 dB SPL/W/m; imp 8 ohms; walnut or black wood effect finish; 11" W × 24" H × 9" D \$380/pr

310 Speaker

Reflex speaker. Features 1" compression-driven horn tweeter; 4" paper cone midrange; 10" paper cone woofer; rigid cabinet design; fully soldered internal wiring; five-way terminals. FR 35-25,000 Hz; power range 15-150 W; sens 97 dB SPL/W/m; imp 8 ohms; walnut or black wood effect finish \$480/pr

312 Speaker

Reflex speaker. Features 1" compression-driven horn tweeter; 4" paper cone midrange; 12" paper cone woofer; rigid cabinet design; fully soldered internal wiring; five-way terminals. FR 35-25,000 Hz; power range 15-200 W; sens 97 dB SPL/W/m; imp 8 ohms; walnut or black wood effect finish \$580/pr

YAMAHA**NS-2000 Speaker**

3-way acoustic-suspension speaker with 13" woofer of pure carbon fibre. Features rounded baffle-board construction; flush-mounted drivers and offset grille cover, centered in-line array; thick internal baffle boards; hand-selected walnut wood; midrange 8.8-cm (3½") beryllium dome; tweeter 3 cm (1¾") beryllium dome; max power 125 W; 90 dB SPL/W/m; FR 28-20,000 Hz \$2,900/pr

NS-1000M Speaker

Speaker with 12" woofer, 3½" midrange, 1½" tweeter. Features vapor-deposition beryllium-dome drivers; midrange, tweeter level controls; semigloss black finish; detachable black grille; sold in mirror-image pairs only. FR 40-20,000Hz; crossovers 500 and 6,000 Hz; sens 90 dB SPL/W/m; max power 100 W; imp 8 ohms 26½" W × 14¼" H × 12¼" D \$1,300/pr

NS-500 M Speaker

Acoustic-suspension speaker with 12" carbon fiber cone woofer, 2¾" titanium carbide midrange, 1" beryllium dome tweeter. Midrange and tweeter controls. FR 35-20,000 Hz ±3 dB; power range 15-200 W; sens 89 dB SPL/W/m; imp 6 ohms; black finish; 15½" W × 26" H × 14¼" D; 56 lbs .. \$770/pr
NS-200M. Similar to NS-500M except with 10" spruce pulp woofer; titanium carbide tweeter, midrange. FR 40-20,000 Hz ±3 dB \$570/pr

NS-10T. Similar to above except has 7" woofer, 1½" dome tweeter. FR 55-20,000 Hz ±3 dB. Walnut vinyl finish \$198/pr

NS-10M Speaker

Acoustic-suspension 2-way bookshelf speaker with 7" woofer, 1½" soft-dome tweeter. Features black wood finish. FR 60-20,000 Hz; crossover 2,000 Hz; efficiency 90 dB/W/m; max power 50 W peak; imp 8 ohms. 15" W × 8½" H × 7¼" D \$155/pr

NS-75T Acoustic Suspension Speaker

Bookshelf speaker with titanium-carbide dome tweeter and midrange. Features 12-inch woofer; 2¼-inch midrange; 1½-inch tweeter; individual level controls; carbon fiber woofer; heavy-duty speaker terminals; walnut vinyl covering over high-density particle board. Frequency response 40-20,000 Hz; power range 10-200 W; sensitivity 90 dB SPL with one watt input measured at one meter \$770/pr
NS-55T. Similar to NS-75T speaker except with 10-inch spruce cone woofer; lacks level controls \$570/pr
NS-35T. Similar to NS-55T speaker except 2-way10" \$390/pr
NS-25T. Similar to NS-35T except 8" woofer \$270/pr
NS-W2. Woofer speaker with 10" woofer; volume controlmagnetic shielding; 40-watt built-in amp \$225

SPS-10 Speaker Stand

Speaker stand with black wood-grain vinyl finish \$55

10 headphones

AIWA

HP-X10 Digital Capable Headphones

Features flat-formed diaphragm; oxygen-free copper litz wire cable; gold-plated duo-fit plugs; samarium-cobalt magnets; low bass control. FR 5-25,000 Hz \pm 3 dB; imp 40 ohms; sens 104 dB SPL (1 mW input). Mini and phone connector \$65

HP-T5 Headphones

Mini stereo folding headphones. Features variable acoustic loudness system; rotary volume control; mono/stereo selector; mini and phone connectors. FR 20-24,000 Hz \pm 3 dB; imp 32 ohms \$45

HM-7Y Mini Headphones with Microphones

Mini lightweight headphones with binaural mikes. Features built-in dual condenser mics for stereo recording of live sources; on/off mic switch; mini connector. FR 18-22,000 Hz \pm 3 dB \$45

HP-A55Y Headphones

Folding headphones with acoustic amide film diaphragms; rotary volume control; mono/stereo switch; mini and phone connectors. FR 15-24,000 Hz \pm 3 dB; imp 32 ohms; max power 100 mW \$35

HP-V10Y 2-Way Fit Headphones

In-ear/headband-type headphones with stereo/mono switch, mini connector. Folds into cassette size case. FR 15-22,000 Hz \pm 3 dB; imp 15 ohms \$29

HP-V2 In-Ear Type Stereo Headphones

Lightweight headphones with stereo/mono switch. Features volume control; mini connector; spare ear pads. FR 20-20,000 Hz; imp 32 ohms \$22

AKAI

ASE-M1 Headphones

Headphones with mini plug \$20

AKG

K-340 Stereo Headphones

Two-way electrostatic/dynamic headphones with fixed-charge electrostatic transducer/dynamic MC transducer and passive diaphragms in each earcup. Connects directly to headphone jack of receiver or amp or across speaker output terminals. FR 15-25,000 Hz; imp 400 ohms; max continuous input 200 mW/ch at 117 dB SPL; includes 10-ft 4-conductor cables with 3-conductor $\frac{1}{4}$ " phone plug .. \$195

K-240DF Studio Monitor Headphones

FR 20-20,000 Hz \pm 2 dB; max input 11 V; matches 4-600 ohm outputs; max SPL 95 dB at <0.3% THD. 2.5 m cable, standard plug \$125

K-240M Free-Field Headphones

Headphones with dynamic MC transducer and 6 passive radiators in each circumaural cup. FR 15-20,000 Hz; imp 600 ohms; max SPL 119 dB at 0.3% THD \$99

K145 Headphones

Two-way electrostatic/dynamic semi-open headphones. FR 25-24,000 Hz \pm 3 dB; imp 150 ohms; phone connector; 6 oz, cord 10 ft. long \$85

K-141 Monitor Headphones

Semi-open stereo dynamic pro monitoring headphones with MC transducers. FR 20-20,000 Hz; max SPL 120 dB at 0.5% THD \$75

K135 Semi-Open Dynamic Headphones

FR 25-18,000 Hz \pm 3 dB; imp 150 ohms; phone connector; 5.6 oz.; cord 10 ft. long \$65

K-130 Supra-Aural Stereo Headphones

Features dynamic MC transducers. FR 20-20,000 Hz; max SPL 119 dB; imp 200 ohms at 0.7% THD; 10-ft cable, stereo phone plug; 4 oz \$55

K-45 Ultra-Lightweight Stereo Headphones

Supra-aural headphones with dynamic MC transducers. FR 30-18,000 Hz; max SPL 117 dB at 0.9% THD; 4-200 ohm outputs; 10-ft cable \$45

AUDIO-TECHNICA

ATH-V7 Open-Back MC Headphones

Features circumaural earpads; 3-m straight/coiled cord. FR 20-20,000 Hz \pm 3 dB; imp 4-16 ohms. \$75

ATH-20 Mid-Sized Dynamic Headphones

Features variable damping. FR 25-20,000 Hz; 4-16 ohms imp \$55

ATH Point 1 MC Stereophones

FR 35-20,000 Hz; sens 100 dB at 1,000 Hz, 1 mW; matching imp 4-16 ohms; $\frac{1}{4}$ " plug \$30
Point 2. FR 35-20,000 Hz; sens 105 dB SPL at 1 kHz; imp 4-16 ohms; 5-ft cord; 1 oz without cord \$35
Point 2F. Same as Point 2 but foldable \$40
Point 4. Super-lightweight. FR 25-20,000 Hz; 2.5-m cord with mini stereo plug and adapter \$60
Point 6. Same Point 4 but FR 20-20,000 Hz \$90

AZDEN

DSR-38 Lightweight Headphones

Features samarium cobalt magnets; aluminum voice coils; super-thin large diameter diaphragm. FR 16-24,000 Hz \pm 3 dB; imp 40 ohms; sens 103 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; mini and phone connector \$100

DSR-12 Headphones

FR 20-22,000 Hz \pm 3 dB; imp 200 ohms; sens 105 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; phone connector \$70

DSR-68 Headphones

FR 20-20,000 Hz \pm 3 dB; imp 32 ohms; sens 95 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; mini and phone connector \$60

DSR-30 Folding Headphones

FR 30-20,000 Hz \pm 3 dB; imp 32 ohms; sens 96 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; mini connector \$35

DSR-28 Mini Headphones

FR 30-20,000 Hz \pm 3 dB; imp 32 ohms; sens 102 dB SPL with 1-mW input of 1,000 Hz; max power 50 mW; mini and phone connector \$30

DSR-64 Mini Headphones

Detach from band to become earphones. FR 30-20,000 Hz \pm 3 dB; imp 32 ohms; sens 100 dB SPL with 1-mW input of 1,000 Hz; mini connector .. \$25

DSR-70 Headphones

FR 40-20,000 Hz \pm 3 dB; imp 32 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; mini connector \$20

DSR-69 Anti-Vibration Headphones

Anti-vibration headphones. FR 40-20,000 Hz \pm 3

dB; imp 32 ohms; sens 92 dB SPL with 1-mW input of 1,000 Hz \$15

BANG & OLUFSEN

Form 1 Semi-Open Headphones

Features self-adjusting earpads. FR 20-20,000 Hz \pm 3 dB; imp 35 ohms; max power 100 mW; THD <1%; mini and phone connector \$100

BEYER DYNAMIC

DT 48A Headphones

Audiometric, calibration-standard reference headphones for acoustic measurements. FR 16-20,000 Hz; max power 200 mW; imp 5 ohms \$242

DT-48 Headphones

Features removable ear cushions. FR 16-20,000 Hz \pm 2 dB; imp 200 ohms; sens 105 dB SPL with 1-mW input at 1 kHz; max power 96.8 mW \$215

DT 109 Headphones

Headphones with dynamic boom mike for use in live and remote broadcasting. Available with straight or coiled 10-ft cord in numerous mike and headphone impedances. FR 30-20,000 Hz \pm 3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input at 1,000 Hz; max power 1,000 mW; phone plug \$153

DT 880 Semi-Open Headphones

FR 5-25,000 Hz \pm 3 dB; imp 600 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; phone plug; 10' cord \$165
DT 880 Studio. Studio version of DT 880. FR 5-35,000 Hz \pm 3 dB \$165
DT 880 Monitor. With cloth-leatherette ear cushions and low-distortion drivers \$185

DT 108 Headphones

Headphone with dynamic boom mike for live and remote recording. Features straight or coiled cord with many-mike and headphone impedances. FR 30-20,000 Hz \pm 3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz \$130

DT 100 Headphones

Recording studio monitor headphones. Features detachable straight or coiled cord; available in numerous impedances. FR 30-20,000 Hz \pm 3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; phone plug \$120

DT 660 Mk II Headphones

Features closed design employing bass reflex system. FR 15-25,000 Hz \pm 3 dB; imp 600 ohms ... \$120

DT 96A Multi-Purpose Headphones

Can be used with or without circumaural ear cushions. Features detachable straight/coiled cord. FR 30-17,000 Hz \pm 3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz \$105

DT 550 Semi-Open Headphones

FR 10-22,000 Hz \pm 3 dB; imp 600 ohms; sens 95 dB SPL with 1-mW input at 1 kHz; phone plug. \$90

DT 102 Single-Muff Headphones

Features detachable straight or coiled 10-ft cord; available in numerous impedances. FR 30-20,000 Hz \pm 3 dB; imp 400 ohms; sens 94 dB \$85

DT 220 Headphones

Headphones with extremely lightweight, closed design; wide-band drivers; soft circumaural ear cush-

ions. FR 20-20,000 Hz ± 3 dB; imp 400 ohms; sens 102 dB SPL with 1-mW input\$80

DT 340 TV/VCR Headphones

Features 23-ft cord with separate left and right in-line volume controls. FR 20-20,000 Hz ± 3 dB; imp 50 ohms; max power 100 mW; mini plug\$65

DT 330 MK II Headphones

FR 15-18,000 Hz ± 3 dB; imp 40 ohms; sens 85 dB SPL with 1-mW input at 1,000 Hz; max power 100 mW; phone plug\$60

DT 320 Lightweight Headphones

FR 30-20,000 Hz ± 3 dB; imp 600 ohms; sens 88 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; $\frac{1}{4}$ " phone plug\$45

DENON

AH-D6 Open-Air Headphones

Digital-ready headphones with foamed mica flat diaphragm, LC-OFC cables/wiring, and phone connector. FR 15-22,000 Hz ± 3 dB; imp 32 ohms; max power 200 mW; sens 98 dB\$90

AH-D4. Same as AH-D6 except sens 96 dB\$70

GLI/INTEGRATED SOUND SYSTEMS

HS-5 Headphones

Two-channel, one cup headphones with slide balance control. FR 50-15,000 Hz ± 1 dB; imp 8 ohms\$35

KENWOOD

KH-7L Stereo Headphones

Dynamic stereo headphones with 1" polyester film drivers. Features extra pair of earpads; 8.2-ft Y-type cord with standard $\frac{1}{4}$ " plug. FR 20-20,000 Hz; sens 100 dB/mW; max input 100 mW/ch\$75

KH-5L Stereo Headphones

Dynamic stereo headphones with $\frac{1}{2}$ " polyester film drivers. Features extra pair of earpads; 8.2 ft Y-type cord with standard $\frac{1}{4}$ " phone plug. FR 25-20,000 Hz; sens 100 dB/mW; max input 100 mW/ch\$55

KH-3L Stereo Headphones

Dynamic stereo headphones with 1" polyester film drivers. Features extra pair of ear pads; 4.9 ft Y-type cord with standard $\frac{1}{4}$ " phone plug. FR 35-20,000 Hz; sens 95 dB/mW; max input 250 mW/ch\$33

KH-D5 Headphones

Dynamic stereo headphones with removable headband. Features 13.6mm diameter 9 μ m film drivers; sens 102 dB/mW; FR 20-20,000 Hz; imp 32 ohms; max input power 50 mW; 3.5mm plug\$20

KOSS

PRO/4X Stereo Headphones

Dual-element stereo headphones combine rare-earth MC element with piezoelectric element in each earcup to provide a 10-40,000 Hz FR. Closed-design headphones weigh 10 oz; adjustable headband\$85

PRO/4X Plus. Similar to PRO/4X with a 10-40,000 Hz FR ± 3 dB; digital ready\$100

Pro/4AAA Plus Stereo Headphones

Features extra large voice coils; oversized diaphragm. FR 10-22,000 Hz ± 3 dB\$85

HV/XLC Stereophones

Lightweight high-velocity stereophones. FR 15-35,000 Hz; sens for 100 dB SPL 1.0 V RMS at 1,000 Hz. Features volume, balance controls/cup; variable-density contoured circumaural ear cushions with twist-lock mechanism for easy removal\$60

PortaPro Headphones

Supraural folding headphones for high-end portable or home use. Features exclusive Comfort Zone multipivoting earcup adjustments. Frequency response 15-20,000 Hz; mnl plug and $\frac{1}{4}$ " phone plug\$50

HV/1A Stereophones

High-velocity stereophones with low-mass Decilite drivers for 15-30,000 Hz FR; operates from outputs of 3.2 to 600 ohms; distortion 0.5% at 100 dB SPL; sens 0.9 V RMS for 100 dB SPL, handles 5 V RMS continuous with provisions for 14-dB SPL transient peaks; 157-ohm imp; acoustical sponge ear cushions; extendable headband with self-adjusting pivoting yokes, soft padded vinyl cover\$50

K40LC Stereophones

Features dual balance controls, black and chrome finish; FR 10-20,000 Hz. Rated at 100 ohms and 104 dB SPL/W/m input; THD < 1% at 100 dB SPL\$40

K40 LC Plus. With volume and balance controls\$45

KSP-II Headphones

Portable, collapsible stereophones. Features reticulated foam ear cushion, carrying bag, 2 plugs. FR 20-20,000 Hz ± 3 dB; mini/phone connector\$35

K/6XC Dynamic Stereophones

Dynamic stereo headphones with low-profile (57-mm) element with Mylar diaphragm and separate volume controls. FR 10-22,000 Hz; < 1% THD at 1,000 Hz, 100 dB SPL; sens 1.0 V RMS at 100 dB SPL\$40

K/6X. Lacks volume controls\$30

K6X Plus. Same as K/6X but lightweight\$35

KSP Sound Partner Stereophones

Folds to compact size to fit into denim tote bag (supplied). FR 20-17,000 Hz; sens 100 dB SPL pink noise at 1 V; imp 35 ohms; 3.5 oz with 9-ft cord. Comes with accessory adapters\$25

KC/29 Headphones

Hear-through headphones for stereo, VCR or TV. Features self-adjusting slide bars, washable cushions, mini-mono adapter. FR 18-20,000 Hz ± 3 dB; imp 100 ohms; phone connector\$24

KC/24 Headphones

Portable headphones. Features volume and balance controls, screw-on adapter. FR 20-17,000 Hz ± 3 dB; imp 35 ohms; mini/phone connector\$20

K/20 High-Velocity Stereophones

Features 8-ft Y cord; cushioned washable foam ear pads. FR 18-20,000 Hz; sens 0.8 V RMS\$20

KC/19 Portable Stereophones

Includes 6.36-mm adapter. FR 20-17,000 Hz; imp 43 ohms; 6-ft cord with mini stereo plug\$16

Music Pals Earphones

Micro stereo earphones fit inside the ear with no headband. Features compartmentalized hand-packed case; fastening clip; 2 sets of ear cushions. FR 20-20,000 Hz; imp 32 ohms; sens 100 dB SPL with 1-mW input at 1,000 Hz; mnl plug\$17

KC/10 Headphones

Lightweight headphones with fixed earcup. Features $\frac{1}{4}$ " adapter; adjustable slide band. FR 40-12,000 Hz ± 3 dB; imp 35 ohms; mini connector\$10

NAKAMICHI

SP-7 Lightweight Stereo Headphones

Utilizes 25-micron thick polyester film with 40.5-mm diameter and 18.3-mm voice coil. Frequency response 20-20,000 Hz; impedance 45 ohms; max power 100 mW; $\frac{1}{4}$ " phone plug\$70

PANASONIC

EAH-S30 Lightweight Headphones

Features 1" speakers; soft-cushion earpads; adjustable headband; 4.94-ft straight cord; phone connector. FR 20-20,000 Hz ± 3 dB; imp 40 ohms; max power 100 mW; SPL 98 dB/mW; 1.4 oz\$30

SOUND IMPROVEMENT.

When you hear the fidelity of the AKG K 240 Monitor headphone, you'll understand why so many recording engineers and professional musicians prize its studio accuracy. AKG also has two-way electrostatic/dynamic models that set standards for headphone design.

AKG has developed a line of stereo phonocartridges with the AKG Transversal Suspension System. Selected models feature the van den Hul diamond stylus cut for unparalleled tracking accuracy.

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77 Selleck Street
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AKG headphones range in price from \$45 to \$195*; cartridges from \$50 to \$1000.*
*Suggested retail price.

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EAH-27 Lightweight Headphones

Features 1/4" speaker; foam earpads; 3.96-ft straight cord; adjustable headband; extra earpads; phone connector. FR 20-20,000 Hz ± 3 dB; imp 32 ohms; max power 50 mW; SPL 102 dB/mW; 0.7 oz. \$30

EAH-25 Lightweight Headphones

Lightweight inner-ear-type mini stereo headphones. Features 3/8" speaker; adjustable headband; extra earpads; phone connector. FR 20-20,000 Hz ± 3 dB; imp 32 ohms; max power 50 mW; SPL 102 dB/mW. \$25

EAH-S10 Lightweight Headphones

Features 1" speaker; soft-cushion earpads; 3.96-ft straight cord; adjustable headband; phone connector. FR 20-20,000 Hz ± 3 dB; imp 16 ohms; max power 100 mW; SPL 92 dB/mW; 1.4 oz. \$25

EAH-S12 Lightweight Headphones

Features 1" speaker; soft-cushion earpads; adjustable headband; 3.96-ft straight cord; phone connector. FR 20-20,000 Hz ± 3 dB; imp 16 ohms; max power 100 mW; SPL 93 dB/mW; 1.4 oz. \$23

PARASOUND**LSH-1 Lightweight Headphones**

Features 27 mm mylar drivers; oversized ear cushions; mini and phone connector. FR 50-15,000 Hz ± 3 dB; imp 32 ohms; max power 850 mW. \$30

PICKERING**OA-7 Stereo Headphones**

Lightweight open-air design; permanent-magnet compound; foam-cushioned head-band; earpiece yokes use pivots for snug fit. Nominal imp 100 ohms; FR 20-22,000 Hz ± 5 dB; sensitivity 110-dB SPL at 0.2 V; maximum input 0.1 W; distortion 0.5% at 110-dB SPL. \$70

3+3 Multi-Driver Headphones

Headphones with 3-speaker design for extended frequency response. Features separate volume level control for left and right channels; stereo/mono switch; adjustable black vinyl headband; soft vinyl-covered ear cushions; 10-ft Y-type 4-conductor cord with 1/4" stereo plug. Frequency response 20-20,000 Hz ± 3 dB; imp 100 ohms. \$60

OA-349 Stereo Headphones

Headphones with samarium-cobalt magnets and high-velocity dynamic elements. Features specially formulated synthetic diaphragm; spring-steel headband with sliding vinyl band; soft vinyl-covered foam ear cushions; 7" Y-type 4-conductor cord with 1/4" stereo plug. FR 20-22,000 Hz; imp 100 ohms; sens 110 dB SPL with 1-mW input of 1,000 Hz. \$60

OA-4 Stereo Headphones

Lightweight stereo headphones with 3/4" dynamic high-velocity drivers with synthetic film diaphragms and samarium-cobalt magnets. FR 10-20,000 Hz; distortion 0.5% at 100-dB SPL, 1,000 Hz; sens 105 dB at 1,000 Hz/ch; input imp 40 ohms at 1,000 Hz; adjustable lightweight headband with silver-dollar-sized density polyurethane foam earpieces; includes adapter. \$50

OA-303 Stereo Headphones

Open-air design; spring steel headband with brown leather cushion; imp 70 ohms; Frequency response 20-20,000 Hz; sens 101 dB SPL at 0.1 volt input; maximum input 0.1 watt RMS; 4.5 oz without cord and plug. \$40

OA-202 Stereo Headphones

Open-air stereo headphones with dynamic high-velocity drivers with 1" polyester diaphragms. Frequency response 10-20,000 Hz; distortion 0.5% at 110-dB SPL, 1,000 Hz; sensitivity 100 dB SPL at 0.25 V input, 1,000 Hz/ch; input impedance 50 ohms at 1,000 Hz; max input 0.2 W/ch continuous; adjustable padded vinyl headband with soft vinyl-covered foam ear cushions. \$30

OA-203 Headphones

Headphones with high-velocity dynamic elements with specially formulated synthetic film diaphragm; samarium cobalt magnets; adjustable brown vinyl headband. FR 10-20,000 Hz; THD < 0.5% at 105 dB SPL at 1,000 Hz; imp 40 ohms; sens 105 dB SPL with 1-mW input at 1,000 Hz; max power 0.05 mW; mini plug; 1/4" plug; 6' Y-type cord. \$30

OA-101P Featherfone Stereo Headphones

Lightweight open-air stereo headphones. Feature lightweight headband; polyurethane foam cushion; 6-ft Y-type cord; FR 20-18,000 Hz; distortion < 0.5% at 100 dB SPL, 1,000 Hz; sens 100 dB SPL 0.25 V input at 1,000 Hz/ch; max input 0.05 W. \$25

OA-88 Featherfone Headphones

Headphones with convertible Mini-Featherfone for headband or in-ear wear. High-velocity samarium-cobalt drivers; ultra-lightweight adjustable headband with replaceable foam cushions. FR 20-20,000 Hz; distortion < 0.5% at 100 dB SPL; imp 32 ohms at 1,000 Hz; sens 98 dB SPL with 1-mW input at 1,000 Hz; max power 0.05 mW; mini stereo plug. \$22

OA-66P Open-Air Stereo Headphones

Features ultra-lightweight adjustable headband with replaceable polyurethane foam ear cushions. FR 20-20,000 Hz; distortion less than 0.5%; imp 32 ohms; sens 92 dB SPL with 1-mW input at 1,000 Hz; mini plug; 1/4" adaptor plug; 1.1 oz without cord. \$20

PIONEER ELECTRONICS**SEL-90 Stereo Headphones**

Dynamic open-air ultra-lightweight headphones with miniplug and standard phone plug. Features 90°-rotatable earpieces; double leather headband; 10-ft straight cord. FR 10-22,000 Hz; sens 103 dB SPL at 1 mW. 2.5 oz. \$80

SEL-70 Open-Air Stereo Headphones

With miniplug and standard phone plug. Features 90°-rotatable earpieces; double headband; 10-ft straight Y cord. FR 10-22,000 Hz; sens 103 dB SPL at 1 mW. 2.5 oz. \$60

SEL-50 Stereo Headphones

Dynamic open-air ultra-lightweight stereo headphones with miniplug and standard phone plug. Features 90°-rotatable earpieces; double headband; 10-ft Y-type cord. Frequency response 12-22,000 Hz; sensitivity 103 dB SPL/1 mW. \$50

SEL-66 Ultra-Lightweight Headphones

Dynamic open-air headphones with 3 hinges in headband. Features mini and standard plugs; volume control. Cord length 6.56 ft. FR 16-22,000 Hz ± 3 dB; imp 20 ohms; sens 110 dB SPL at 1 mV. \$50

SEL-44 Ultra-Lightweight Headphones

Dynamic open-air headphones with mini and standard plugs. Features volume control. Cord length 6.56 ft. FR 16-22,000 Hz ± 3 dB; imp 30 ohms. \$40

SEL-30 Stereo Headphones

With miniplug and standard phone plug. Features double headband; 8-ft Y-type straight cord. Frequency response 12-22,000 Hz; sensitivity 103 dB SPL at 1 mW. 2.1 oz. \$40

SEL-22 Ultra-Lightweight Headphones

Dynamic open-air headphones with mini and standard plugs. Cord length 6.56 ft. FR 16-22,000 Hz ± 3 dB; imp 30 ohms; sens 110 dB SPL at 1 mV. \$30

SE-205 Stereo Headphones

Dynamic stereo headphones with adjustable headband and 8-ft 2" cord. Frequency response 20-20,000 Hz. \$25

SEL-10 Stereo Headphones

With miniplug and standard phone plug. Features 90°-rotatable earpieces; double headband; 8-ft Y-type straight cord. FR 18-22,000 Hz; sens 101 dB SPL at 1 mW. 1.3 oz. \$25

PIONEER VIDEO**SE-V100 Headphones**

Headphones with 25-ft low-loss cord; mini and phone connector. FR 4-50,000 Hz ± 3 dB; imp 32 ohms; OFC Litz cable with gold-plated jacks. \$75

QUASAR**SV401YE Headphones**

Lightweight headphones with mini connector, 1/4" plug adapter included. \$13-\$18

REALISTIC**PRO-60 Stereo Headphones**

Headphones with variable-density ear cushions, "acoustic resistance," 10-ft coiled cord with 1/4" phone plug. FR 15-30,000 Hz; THD < 0.5% ... \$50

LV-10 Stereo Headphones

High-velocity vented-back headphones with 2" dynamic elements. FR 20-20,000 Hz; distortion 0.5%; imp 4-16 ohms; acoustic foam earpieces; soft vinyl-covered headband; coiled cord, 1/4" plug. \$40

Nova-65 Headphones

Features side-mounted controls for volume and balance; vinyl drivers; foam filled earcushions; padded adjustable headband; 10 ft cord with 1/4" plug. \$32

PRO-30 Lightweight Stereo Headphones

Low-mass planar driver; rare-earth magnets; lightweight coiled cord, 1/4" plug. \$30

NOVA-40 Stereo Headphones

Stereo headphones with 3 1/2" dynamic drivers. FR 30-18,000 Hz; imp 4-16 ohms; soft cushion earcups; padded adjustable headband; 1/4" plug. \$25

NOVA-45 Stereo Headphones

Lightweight headphone with 1/4" plug adaptor and rare-earth magnets. FR 20-20,000 Hz ± 10 dB; imp 32 ohms; max power 40 mW; 6 1/2'-ft cord. \$25

NOVA-51 Stereo Headphones

Folding stereo headphones with rare-earth magnets, and 1/4" phone plug. FR 50-20,000 Hz; 3 oz. ... \$20

NOVA-52. Same as Nova-51 except with 1/4" plug \$20

NOVA-50 Stereo Headphones

Micro stereo headphones with rare-earth magnets, Mylar diaphragms, foam ear cushions, 6 1/2'-ft cord with 1/4" phone plug. FR 50-20,000 Hz; 2.8 oz. \$18

NOVA-10 Stereo Headphones

Stereo headphones with high-efficiency 2" speakers; adjustable vinyl headband with cushioned earpads. FR 50-15,000 Hz; 6 1/2'-ft cord, 1/4" plug. \$15

NOVA-16. With Glide Path® level controls. \$20

NOVA-35 Stereo Headphones

Micro stereo headphones with foam earpads, adjustable headband, 5-ft cord with 1/4" plug. FR 50-20,000 Hz; < 3 oz. \$14

Micro In-Ear Stereo Headphones

Designed to slip into ear. FR 50-20,000 Hz. \$13

Nova-33 Stereo Headphones

Lightweight portable headphones. 1 1/4" oz; 20-20,000 Hz response; foam earcushions; 1/4" plug. \$10

Stereo/Mono Headset

Under-chin design headset. Features lightweight design; 1/4" plug; 8 ohms. \$10

Nova 36 Headphone

Lightweight fold-up headphone. Features foam pads; flexible 4 ft, 2 oz cord with 1/4" plug. \$7

RECOTON**ST-96 Lightweight Headphones**

Features samarium cobalt magnets; low mass polyester film diaphragms; copper voice coils; adjustable

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headband brushed aluminum earpieces; 3.5 to 1/4" plug adapter. Imp 20 ohms; sens 100 dB at 1 kHz\$30

ST-101 Foldable Lightweight Headphones

Features 3-position selector switch; replacement pads; mini to standard plug adapter. Imp 32 ohms\$28

SANSUI

SS-L55 Dynamic Stereo Headphones

Isolation-free dynamic stereo headphones with around-the-ear design and 1 1/8" drivers. Imp 100 ohms at 1,000 Hz; FR 20-20,000 Hz; max input power 500 mW; sens 104 dB/mW at 500 Hz..\$40

MS-7EX Dynamic Stereo Headphones

Lightweight on-the-ear mini-sized dynamic stereo headphones with adapter plug for standard home audio equipment. Imp 40 ohms; FR 30-20,000 Hz; max input power 250 mW; sens 100 dB/mW\$40

SS-L33 Dynamic Stereo Headphones

Isolation-free, around-the-ear stereo headphones with 1 1/8" drivers. Imp 60 ohms; FR 20-20,000 Hz; max input power 500 mW; sens 104 dB/mW\$30

MS-33 Dynamic Stereo Headphones

Lightweight on-the-ear mini dynamic stereo headphones fitted with mini stereo plug, with adapter for use with home audio equipment. Imp 30 ohms; FR 35-20,000 Hz; max input power 100 mW\$20

SFI by SAWAFUJI

27 Headphones

Flatwave stereo headphones. Features leather earpads and headband. Utilizes Sawafuji flatwave driver element with plastic magnet compound. FR 20-20,000 Hz ± 3 dB; imp 8 ohms\$120

17 Lightweight Headphones

Soft ear caps, adjustable headband. Uses Sawafuji flatwave driver element. FR 10-100,000 Hz ± 3 dB; imp 8 ohms; sens 98 dB SPL with 1 mW input; max power 100 mW; phone connector; 180 grams..\$80

SENNHEISER

HD 230 Lightweight Headphones

Features separate woofers and tweeters; acoustically sealed ear cushions; adjustable headband. FR 10-30,000 Hz ± 3 dB; distortion < 1%\$169

HD 430 Open-Air Headphones

Features replaceable 10-ft stranded-steel cable with phone plug. FR 16-20,000 Hz\$139

HD 425 Open-Air Headphones

Features replaceable 10-ft cable with phone plug; adjustable headband. FR 18-20,000 Hz ± 3 dB; distortion < 1%; imp 600 ohms; sens 94 dB\$130

HD 222 Headphones

Closed-ear light-weight headphones with replaceable 10-ft stranded-steel cable with phone plug; adjustable headband. FR 20-20,000 Hz ± 3 dB\$99

HD 420 Open-Air Stereo Headphones

FR 18-20,000 Hz ± 3 dB; sens 94 dB with 1 mW input, nominal SPL at 1,000 Hz; THD 1.0%; imp 600 ohms; 10-ft cable with phone plug\$99

MS 100 Inside-Out* Headphones

Replaceable 4-ft stranded-steel cable with mini plug. FR 20-20,000 Hz; sens 96 dB with 1 mW input\$85

HD 414SL Stereo Headphones

Headphones with replaceable 10-ft stranded-steel cable with phone plug and adjustable headband. FR 20-20,000 Hz ± 3 dB; imp 600 ohms\$84

HD 410SL Open-Air Stereo Headphones

Replaceable stranded-steel cable with phone plug. FR 20-18,000 Hz ± 3 dB; imp 600 ohms\$49

HD 40 Open-Air Lightweight Headphones

10-ft stranded-steel cable with phone plug. FR 20-18,000 Hz ± 3 dB\$39

HD 40W Open-Air Lightweight Headphones

4-ft stranded-steel cable with mini plug. FR 20-18,000 Hz ± 3 dB; imp 32 ohms\$39

SIGNET

TK-22 Moving Coil Headphones

Features diaphragm 20 microns thick, polyester dome. Voice coil of 40-micron silver-copper wire. Fabric-covered earpads. FR 20-20,000 Hz; phone plug\$120

TK-20 Headphones

Moving-coil dynamic headphones. Features fully rotating yoke and pivot combination for wearing comfort. Folds compactly into belt pouch (included). FR 25-20,000 Hz ± 3 dB; imp 4-16 ohms; mini connector; phone adapter. THD 0.5% at 100 dB SPL. Cord 4.9 ft. long\$60

TK-11 Headphones

Moving-coil dynamic headphones. Features ball-joint pivot for adjustment. FR 30-20,000 Hz ± 3 dB; imp 4-16 ohms; mini connector; phone adapter\$45

SONY

MDR-CD5 Headphones

FR 2-22,000 Hz; imp 45 ohms; sens 108 dB SPL at 1 mW input at 1 kHz; max power 500 mW; mini and phone connectors; cord length 3 m\$100
MDR-CD7. Extended FR of 2-24,000 Hz\$120
MDR-M77.\$85

MDR-M55 Stereo Headphones

For D-5 portable Compact Disc player.....\$65

MDR-S50 Stereo Headphones

Dynamic headphones with standard and mini plugs. FR 10-20,000 Hz; imp 45 ohms; sens 105 dB SPL; max input 500 mW; 10 ft flat cable\$45
MDR-S30. Extended FR 16-20,000 Hz\$30

STAX

SR-Lambda/SRM-1 Mk2 Professional Headphones

For use with Class-A direct-drive amp. Connects to pre-out or record outputs. FR DC-20,000 Hz ± 1 dB; imp 50,000 ohms; sens 102 dB SPL with 1-mW input of 1,000 Hz; min power 0.00005 mW...\$799
SRE-16 Extension Cord. Five-meter extension cord for use with SR-Lambda\$75

SR-Sigma Headphones

With energizing adapter. FR 30-35,000 Hz ± 2 dB; imp 8 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW\$489

SR-Lambda Headphones

Panoramic-imaging electrostatic earpiece system with energizing adapter. FR 8-35,000 Hz ± 2 dB; imp 8 ohms; sens 102 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW\$399

SR-X/Mk3 Electrostatic Headphones

Electrostatic earpiece system with energizing adapter. FR 25-25,000 Hz ± 1 dB; imp 8 ohms; sens 97 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; special connector\$329

SR-5/N Headphones

Electrostatic earpiece system with energizing adapter. FR 25-25,000 Hz ± 1 dB; imp 8 ohms; sens 97 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; special connector\$199

SR-84 (Lambda Jr.) Headphones

Electret earpiece system with energizing adapter. FR 20-20,000 Hz ± 2 dB; imp 8 ohms; sens 95 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; special connector\$159
SR-34. As above except FR 25-20,000 Hz...\$109

SRD-X Adaptor for Stax Headphones.

Adaptor that allows Stax electrostatic and electret earpieces to be connected to a headphone jack. Uses batteries or AC adaptor. FR 25-25,000 Hz ± 3 dB; imp 300 ohms\$129
SRE-15/N Extension Cord
5 m extension cord for Stax earpieces.....\$30

TEAC

HP-402 Stereo Headphones

Deluxe lightweight stereo headphones with soft vinyl foam cushions. Impedance 38 ohms. Includes 1/4" plug adaptor\$35

HP-302 Mini Stereo Headphones

Features samarium cobalt magnet. Imp 32 ohms; includes 1/4" plug adaptor and 2 extra earpads...\$26

HP-308 Lightweight Stereo Headphones

1/4" adaptor; extra earpads. Imp 32 ohms\$25

HP-206 Lightweight Stereo Headphones

Features volume control; samarium cobalt magnet; 1/4" adaptor; 2 extra earpads. Imp 32 ohms....\$22

HP-202W Lightweight Stereo Headphones

Includes 1/4" plug and extra earpads. Impedance 32 ohms. White\$18
HP-202B. Blue\$18
HP-202R. Red\$18

HP-102 Stereo Headphones

Imp 32 ohms\$13

TECHNICS

EAH-T6 Lightweight Headphones

Compact headphones with stereo mini connector. FR 20-20,000 Hz; max power 100 mW; sens 0.25 V; THD 0.5%; 1.25 oz\$30

EAH-T5 Lightweight Headphones

FR 20-20,000 Hz; max power 150 mW; sens 0.23 V; THD 0.5%; 1.9 oz; mini connector\$30

UHER AMERICA

W 775 Stereo Headphones

Dynamic stereo headphones with one active, 6 auxiliary membranes per system; half-open design. Frequency response 20-20,000 Hz; SPL 94 dB; impedance 600 ohms; nominal loading capacity 200 mW; distortion 1.0%; auto strap adjustment\$184

W 675-A Featherweight Headphones

Lightweight (2.2 oz) mono/stereo headphones with 8-ft coiled cord. FR 20-20,000 Hz; imp 200 ohms at 1,000 Hz; lightweight adjustable headband, yellow foam-cushioned earpieces\$84

YAMAHA

YH-100 Stereo Headphones

FR 20-20,000 Hz; output 98 dB/mW SPL at 106 dB/V; rated/max input 3/10 W; HD 0.3% at 90 dB SPL; imp 150 ohms; double padded headband with supra-aural earcups; 8-ft straight cord\$95

YHD-1 Foldable Headphones

FR 20-20,000 Hz ± 3 dB; imp 125 ohms; max power 1,000 mW; mini/phone connector\$70
YHD-2. Similar to YHD-1 with 99 dB/V\$50

YHL-005 Lightweight Stereo Headphones

Features rare-earth samarium-cobalt magnets; mini plug adaptor. Imp 45 ohms; FR 20-20,000 Hz; output SPL 102 dB/mW at 1 kHz\$40
HL-007. Similar to YHL-005 except smaller drivers, lighter weight, 119-dB SPL output\$30

YHL-003 Lightweight Headphones

Mini plug and phone plug adaptor. FR 20-2,000 Hz ± 3 dB; imp 150 ohms; sens 103 dB SPL with 1-mW in put of 1,000 Hz; max power 100 mW\$50
YHL-006. Smaller diaphragm\$40

pocket stereo

AIWA

HS-J110 Auto-Reverse Pocket Stereo

AM/FM stereo cassette recorder with detachable speaker and auto reverse playback. Features metal/chrome EQ switch; anti-roll mechanism; compatible Dolby B; uses 3 AA batteries. 6³/₁₆" W x 3¹/₁₆" H x 1¹/₂" D; 1.4lbs\$200

HS-J400 AM/FM/Cassette Pocket Stereo

AM/FM stereo cassette recorder with headphones. Features metal/chrome EQ switch; Dolby B; auto reverse; anti-roll mechanism; recording; battery indicator; uses 2 AA-type batteries; FR 40-16,000 Hz with metal tape; 3³/₁₆" H x 4¹/₂" W x 1¹/₁₆" D; 10.1 oz\$175
HS-T400. Without recording\$130

HS-G500 Pocket Stereo Cassette Player

Headphone stereo cassette player with remote control system and 5-band graphic equalizer. Features



metal/chrome EQ switch; Dolby B; auto reverse; anti-roll mechanism; second headphone jack. Uses 2 AAA batteries. 3³/₁₆" W x 4¹/₁₆" H x 1" D; 8.5 oz\$125

HS-U07 Cassette/Tuner Pack Pocket Stereo

Ultra-compact auto-reverse cassette player with AM/FM tuner pack. Features metal/chrome EQ switch; Dolby B; anti-roll mechanism; battery indicator; uses 2 AA batteries; FR 40-16,000 Hz with metal tape; 3³/₁₆" H x 4¹/₁₆" W x 1" D; 8.8 oz\$150
HS-F07. With recording capability; 3³/₁₆" H x 4¹/₁₆" W x 1¹/₁₆" D\$120

HS-PO2MKII Dolby B Pocket Stereo

Ultra-compact auto-reverse cassette player with headphones. Features metal/chrome EQ switch; Dolby B; auto reverse; anti-roll mechanism; battery indicator; uses 2 AAA batteries; 3³/₁₆" H x 4³/₁₆" W x 1¹/₁₆" D; 9.2 oz\$115

HS-PO6 Dolby B Pocket Stereo

Ultra-compact stereo cassette player with tuner pack. Features metal/chrome EQ switch; Dolby B; battery indicator; uses 2 AAA batteries. FR 40-16,000 Hz with metal tape; 3³/₁₆" H x 4¹/₁₆" W x 1" D;\$100
HS-PO5 MKII. Lacks Dolby; no auto-reverse; 3³/₁₆" H x 4¹/₁₆" W x 1¹/₁₆" D; 7.6 oz\$60

HS-T200 AM/FM Cassette Pocket Stereo

Features metal/chrome EQ switch; Dolby B; auto reverse; anti-roll mechanism; battery indicator. Uses 2 AA batteries. 3³/₁₆" W x 4¹/₂" H x 1¹/₁₆" D; 10.1 oz\$80

CR-05 AM/FM Pocket Stereo

Uses 2 AAA batteries. 3³/₁₆" W x 2¹/₁₆" H x 1¹/₂" D; 2¹/₄" oz\$70

HS-P200 Pocket Stereo Cassette Player

Features metal/chrome EQ switch; compatible Dolby B; auto reverse; anti-roll mechanism; battery indicator. Uses 2 AA batteries. 3³/₁₆" W x 4¹/₂" H x 1¹/₁₆" D; 9.4 oz\$60

CR-01MKII FM Pocket Stereo

Uses 2 AAA batteries. 1¹/₁₆" W x 3¹/₁₆" H x 1¹/₂" D; 1.8 oz\$55

HR-S01MKII AM/FM Pocket Stereo

Features folding headphones; second headphone jack. Uses 2 AA batteries. 4.6 oz\$60

HR-S05 FM Pocket Stereo

Features folding headphones. Uses 2 AAA batteries. 3 oz\$40

ALARON

RY-90A Pocket Stereo

Stereo cassette recorder/player with AM/FM-multiplex radio; "hot line" talk button, two condenser mikes for stereo recording; auto record level control; auto tape shut-off; operates on 4 AA batteries (not included) or 6-V DC adapter (not included); headphone, carrying case with belt loop and strap included; 6³/₁₆" x 3³/₁₆" x 1¹/₂"\$60

RY-374 Pocket Stereo

Stereo cassette player with metal tape capability and AM/FM-multiplex radio with "hot line" talk button and condenser mike; auto tape shut-off; two volume controls; belt clip; operates on 4 AA batteries (not included) or 6-V DC adapter (not included); headphones, carrying case and tape pouch included; 6³/₁₆" x 3³/₁₆" x 1¹/₂"\$50

RY-278 Pocket Stereo

AM/FM-multiplex featherweight headphone radio with adjustable headband that folds up for storage. Features foam-padded earpieces; LED stereo indicator; in-out jack; doubles to connect with other personal or home stereos (connecting cables not included); operates on 2 AA batteries (not included)\$20

RY-260/A Pocket Stereo

AM/FM-multiplex pocket stereo is pocket-calculator size; 2 volume controls; operates on 2 AAA batteries (not included); folding/collapsible headphone, carrying pouch with belt loop and strap included; 4" W x 2¹/₂" H x 1¹/₂" D\$20

RY-258 Pocket Stereo

AM/FM-multiplex pocket stereo operates on 3 AA batteries (not included); belt clip, headphone included; 4¹/₂" W x 3³/₁₆" H x 1¹/₁₆" D\$13

RY-59 Pocket Stereo

AM/FM-multiplex pocket stereo operates on 3 AA batteries (not included); belt clip; headphone included; 5" W x 2¹/₄" H x 1" D\$13

dbx

PPA-1 Pocket Stereo dbx Adapter

Lightweight (3.2 oz) adapter decodes dbx-encoded cassettes; "dbx B" position gives good results with cassettes encoded with commonly used NR. Connects to headphone jack of personal portable; headphones plug into PPA-1. Dynamic range 90 dB; FR (dbx II) follows decoding curve 50-15,000 Hz ±1.5 dB; THD < 0.3% at 1,000 Hz; output noise -90 dBV; input levels 100 mV nominal; 300 mV max for dbx-encoded tapes; 1 V max for other encoded and

unencoded tapes; max output > 25 mW into 32 ohms, both channels, designed to drive typical lightweight headphones; imp; input 180 ohms, output 3.3 ohms, compatible with typical personal portable cassette players; powered by two AAA batteries (not included), 3 V DC nominal, will operate down to 1.8 V. 4³/₁₆" H x 1¹/₄" W x 1¹/₁₆" D\$49

GE

3-5277 Great Escape II Pocket Stereo

Pocket stereo cassette player with AM and FM tuner pack. Features Dolby B NR; anti-roll mechanism; twin volume controls; tone switch; battery indicator. Uses 2 AA batteries. 1¹/₄" x 3¹/₄" x 4¹/₁₆"; 16 oz\$110
3-5750. Stereo headphones\$13.95
5-1866. AC converter\$11.95
5-1869. "Y" Adapter for 2nd listener\$3.95
5-1870. Replacement ear pads\$2.99

5440 Great Escape Pocket Stereo

Pocket stereo cassette player with AM and FM tuner. Features metal/chrome EQ switch; twin volume controls; tone switch; battery indicator. Uses 4 AA batteries. 1¹/₄" x 3¹/₄" x 5¹/₂"; 16 oz\$80
3-5750. Stereo headphone with 3.5 mm plug\$13.95
5-1866. AC converter\$11.95
5-1870. Replacement ear pads\$2.99

7-1900 Pocket Stereo

FM/AM/FM stereo headset radio with ETS. Features pushbutton station frequency scanning; memory for eight stations (4 FM, 4 AM) with recall of programmed stations or the last station played; LCD digital display; top-mounted headphone jack; samarium-cobalt magnets in headphones; belt clip\$70

3-5425 Auto-Reverse Pocket Stereo

Auto-reverse pocket stereo cassette player. Features twin volume controls; tone switch; battery indicator. Uses 4 AA batteries. 1¹/₄" W x 3¹/₄" H x 4¹/₂" D; 16 oz\$50

3-5423 Pocket Stereo

Pocket stereo cassette player. Features four pushbutton operation; rotary tone control; rotary volume control; removable belt clip; battery LED indicator; lightweight stereo headphones; jacks for optional accessories; Uses 4 "AA" batteries\$50
3-5750. Stereo headphone\$13.95
5-1866. AC converter\$11.95
5-1870. Replacement ear pads\$2.99

3-5430 Pocket Stereo

Pocket stereo cassette player with AM and FM tuner. Features anti-roll mechanism; FM AFC; tone switch; battery indicator; recording. Uses 4 AA batteries. 1¹/₂" x 3³/₁₆" x 6¹/₁₆"\$45
5-1075. AC Converter\$8.95
3-5750. Stereo headphones\$13.95
5-1870. Replacement ear pads\$2.99

7-1750 Pocket Stereo

AM/FM/FM stereo headset radio small enough to slip into a shirt pocket. Features AFC on FM, thumbwheel volume and tuning controls, stereo LED indicator and removable belt clip; button-type headphones with samarium-cobalt magnets and a removable headband; uses two AAA batteries (not included); 2¹/₄" W x 4¹/₁₆" H x 1¹/₂" D\$45

3-5273 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features four pushbutton operation (stop, play, rewind, fast forward); featherweight stereo headphones; LED

for FM stereo; LED for power/battery level; automatic end of tape shut-off in play mode; removable belt clip; slide-rule tuning dial; built-in FM antenna in headphone cord, built-in AM antenna; rotary volume control; Radio/tape (radio off) function switch; AM/FM-FM stereo bandswitch; AC/DC power capability; 4 AA cells (not included) optional AC/DC converter; jacks for optional accessories. \$45
3-5750. stereo headphone with 3.5 mm plug \$13.95
5-1075. AC converter. \$8.95
5-1869. "Y" adapter for second listener. . . . \$3.95
5-1879. Headphone ear pads. \$2.99

7-1285 FM Headset Radio

FM stereo headphone radio. Features separate on/off switch; thumbwheel volume and tuning controls; easy-to-read dial scale; Vernier tuning; Built-in AFC; two-way collapsible headband; Samarium cobalt headphones. Uses 2 AAA batteries. \$40

7-1700 Pocket Stereo

FM/AM/FM compact stereo radio. Features lightweight stereo headphone; hi-lo volume control; slide rule dial scale, slant mounted for top or front visibility; precision Vernier tuning; sep left + right volume controls for stereo balance; built-in AFC (automatic frequency control); uses 2 AA batteries. \$37
7-1700S. 7-1700 in blister pack. \$37

7-1250 Pocket Stereo

AM/FM stereo with AFC and stereo LED indicator. Features FM antenna built into headphone cord; button-type headphones with removable headband; uses two AAA batteries (not included); 2 1/2 oz. \$31

7-1650 FM/AM Radio

FM/AM/FM Stereo dual function portable radio. Features built-in 2 1/4" speaker; three antennas: headphone line cord for FM/FM stereo personal listening, telescoping whip antenna for FM listening through built-in speaker, ferrite rod for AM; slanted slide-rule dial scale for easy top or front viewing; built-in AFC or FM; easy access top-mounted tuning control; separate power On/Off switch; 3.5 mm stereo headphone jack; belt clip. Operates on 3 AA batteries. \$31

3-5420 Pocket Stereo

Pocket stereo cassette player with lightweight stereo headphones. Features twin volume controls; battery indicator; compatible with rechargeables. Uses four AA batteries. 3 3/4" x 5 1/2" x 1 1/4"; 16 oz. \$30
3-5750. Stereo headphone. \$13.95
5-1075. AC Converter. \$8.95
5-1870. Replacement ear pads. \$2.99

7-1600 Pocket Stereo

AM/FM headset radio fits into shirt pockets. Features separate left/right volume controls; LED stereo indicator; slide-rule dial scale with thumbwheel tuning control; built in AFC on FM; uses 3 AAA batteries (not included); 2 3/4" W x 5 1/4" H x 1 1/8" D; 10 1/2 oz. \$25
7-1600S. 7-1600 in blister pack. \$25

3-5415 Pocket Stereo

Pocket stereo cassette player. Features 3-button operation; rotary volume control; removable belt clip; lightweight stereo headphones; cassette carry door; jacks for optional accessories. Uses 4 "AA" batteries. \$25
5-1075. AC converter. \$8.95
5-1870. Replacement ear pads. \$2.99

7-1150 AM/FM Dual Function Headset Radio

AM/FM pocket radio. Features slide rule dial scale; built-in AFC on FM to reduce drift; built-in 2 1/4" dynamic speaker; lightweight headphone; 3.5 mm headphone jack; belt clip; three antennas: headphone line cord for FM personal listening, telescoping whip for FM, built-in ferrite rod for AM. 9-V battery. . . . \$22
7-1150S. 7-1150 in blister pack. \$22

HITACHI

CP200R AM/FM Pocket Stereo

AM/FM pocket stereo with headphones and carrying clip. Features anti-roll mechanism; battery LED indica-

tor. Uses 2 AA batteries. 0.8 lbs; 3 1/4" W x 6 1/2" H x 1 1/2" D. \$70

KENWOOD

CP-G5 Pocket Cassette Player

Auto-reverse tape player with AM/FM tuner pack. Features Dolby B; metal tape capability; sens film-tape featherlight dynamic stereo headphones. FR 40-16,000 Hz metal; 40-14,000 Hz normal; output power 20 mW/ch; EQ bands 100, 300, 1k, 10k Hz; 4 1/8" W x 3 1/8" H x 1 1/8" D. \$179

WM-32 AM/FM Pocket Stereo Receiver

AM/FM stereo receiver with LED indicators for AM fine tuning and FM stereo. Features 1-hour power off; FM mono/stereo selector; micro headphones; 20 mW/ch. \$69

KOSS

A-3 Music Box Pocket Stereo

Pocket stereo with cassette player, AM/FM tuner pack. Features exclusive SafeLite™ to show when volume reaches 95 dB; metal/chrome EQ switch; Dolby B; folding headphones; anti-roll mechanism; second headphone jack; mute button; twin volume controls; battery indicator; recording; compatible with rechargeables. Comes with 2 AA batteries. 4 7/8" H x 3 3/4" W x 1 1/8" D; 12.2 oz. \$90

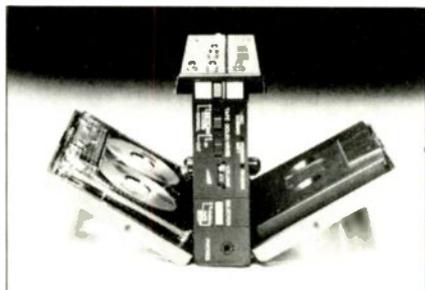
A/1B Music Box

AM/FM pocket stereo receiver with SafeLite™ LED that lights when SPL reaches or exceeds 95 dB. Features 2-stage J-FET RF amplifier; low-voltage integrated circuits; FM Quadrature detector; phase-locked-loop integrated circuit; power light indicator; tuning indicator; external power jack; FM stereo light; built-in FM and AM antenna system; volume slide controls; tuning thumbwheel; power switch; AM/FM band selector; tone selector; sensitivity selector; includes Koss Sound Partner headphones. \$40

PANASONIC

RX-HD10 Dual-Cassette Pocket Stereo

Features AM/FM mono/FM stereo tuner; dual cas-



sette player; tuner pack; auto reverse (deck 2); recording (deck 2). Uses 2 AA batteries. 3 3/2" W x 5" H x 1 1/2" D; 10.8 oz (without batteries) . . . \$200

RX-S38 Pocket Stereo Cassette Player/Recorder

Personal stereo with cassette player, AM/FM tuner. Features one-touch recording; cue-and-review; battery-booster stereo speakers; lightweight stereo headphones; metal/chrome EQ switch; auto reverse; battery indicator. Uses 2 AA batteries. Main unit: 3 1/4" W x 5 1/4" H x 1 1/4" D; 1 1/4 lbs. Speaker box: 3 1/4" W x 2 3/4" H x 2 3/8" D; 0.5 lbs. \$120
RX-S28. Same as above without stereo speakers 5 1/4" W x 3 3/2" H x 1 1/8" D; 12 oz. \$80

RX-S35 Dolby B Pocket Stereo

Pocket stereo cassette player with headphones, AM/FM tuner. Features ultra-mini design, metal tape compatible; normal/reverse selector, fast forward and rewind; FM stereo indicator; Dolby B; auto reverse. \$100

RQ-JA5 Pocket Stereo Cassette Player

Features 3-preset EQ; LED directional indicators; 3 V jack; metal/chrome EQ switch; Dolby B; folding

headphones; auto reverse. Uses 2 AAA batteries. 4 7/32" W x 3" H x 1/4" D; 6.5 oz. \$90
RX-SA10. Same as above with AM/FM mono/FM stereo tuner. \$130

RF-H5A FM Pocket Stereo

Pocket stereo with FM tuner, RHC™ technology and collapsible design. Features LED power indicator; folding headphones. Uses 2 SR-44 (G-13) batteries. 3 3/8" W x 2 1/4" H x 3/32" D; 1 oz. \$70

RX-S25A Cassette AM/FM Pocket Stereo

Pocket stereo with cassette player and AM/FM tuner. Features LED FM stereo indicator; lightweight headphones; auto reverse; AC adaptor optional. Uses 2 AA batteries. 5 1/2" W x 3 7/32" H x 1 1/2" D; 12 oz \$70

RX-1930 Cassette AM/FM Pocket Stereo

Pocket stereo cassette player with headphones, AM/FM tuner. Features exclusive 3-position preset equalizer; FM indicator; battery indicator. Uses 2 AA batteries. \$60

RQ-J7 Pocket Stereo Cassette Player

Features auto-reverse with selector button; carry case; lightweight headphones. \$50

RX-1925 Cassette AM/FM Pocket Stereo

Pocket stereo with AM/FM tuner, cassette player with auto-stop, and lightweight headphones. Uses 4 AA batteries. 5 7/8" W x 3 1/8" H x 1 1/8" D; 11 oz. . . \$50

RF-14A AM/FM Pocket Stereo

Ultra-thin AM/FM pocket stereo with LED FM stereo indicator and lightweight stereo headphones. Uses 2 AAA batteries. \$45

RF-11 AM/FM Pocket Stereo

Features 3-preset EQ and lightweight headphones. Uses 2 AAA batteries. 4 3/8" W x 2 3/8" H x 1 3/16" D; 2.5 oz. \$43

RF-110 FM Pocket Stereo

Features built-in 3-preset EQ and lightweight stereo headphones. Uses 2 AAA batteries. 4 3/4" W x 2 3/4" H x 1 3/16" D; 3 oz. \$40

RF-455 AM/FM Pocket Stereo

Features 2 1/4" PM dynamic speaker and lightweight stereo headphones. Uses 2 AAA batteries. 4 3/8" W x 2 3/4" H x 1" D; 6.5 oz. \$35

RQ-J16 Pocket Stereo Cassette Player

Features auto reverse; pushbutton format; 3 V jack; detachable belt clip; stereo headphones. Uses 2 AA batteries. 5 1/2" W x 3 1/2" H x 1 1/8" D; 11 oz. . . \$33

RF-H20 Cassette AM/FM Pocket Stereo

Features slide-rule tuning; detachable belt clip; folding headphones. Uses 1 AAA battery. 3 13/16" W x 1 1/2" H x 1/16" D; 1 oz. 33

RQ-J50 Pocket Stereo Cassette Player

Features lightweight stereo headphones; AC and car adaptors optional. Uses 2 AA batteries. 5 3/4" W x 3 3/4" H x 1 1/2" D; 11 oz. \$26

RF-433 AM/FM Pocket Stereo

Features LED FM indicator; slide-rule tuning; detachable belt clip. Uses 2 AAA batteries. 4 3/8" W x 2 3/8" H x 1" D; 4 oz. \$21

PARASOUND

Nomad II Pocket Stereo

AM/FM pocket stereo with lightweight headphones. Frequency response 50-15,000 Hz ±1 dB; signal-to-noise ratio 60 dB. Uses 1 AAA battery. 3 3/8" W x 1 3/4" H x 1/2" D; 2 oz. \$70

QUASAR

GF3164XE Pocket Stereo

Pocket stereo cassette player with auto reverse. Features direction button; volume control; headphones; detachable belt clip. \$45-\$65

FR 40-14,000 Hz; S/N 55 dB without NR; W&F 0.2%. 3 $\frac{1}{4}$ " W x 5 $\frac{1}{4}$ " H x 1 $\frac{1}{16}$ " D; 11 oz. \$48

RP67A Pocket Stereo

Pocket stereo with AM/FM tuner. Features headphones; auto-off timer. Uses two AAA batteries, 3V ext DC. 2 $\frac{1}{8}$ " W x 3 $\frac{1}{16}$ " H x $\frac{1}{2}$ " D; 4 oz. \$45

MGP30 Pocket Stereo

Pocket stereo cassette player. Features headphones; 3-position EQ; auto reverse; auto stop; rechargeable; metal/chrome EQ switch. Uses two AA batteries, 3V ext DC. FR 40-14,000 Hz; S/N 53 dB without NR; W&F 0.35%. 3 $\frac{1}{4}$ " W x 4 $\frac{1}{16}$ " H x 1 $\frac{1}{16}$ " D; 12 oz \$40

RPAMT2 Pocket Stereo

Solar-powered pocket stereo with AM/FM tuner. Operates on rechargeable Nicad battery (included). Features battery indicator. 1 $\frac{1}{8}$ " W x 3 $\frac{1}{16}$ " H x $\frac{1}{8}$ " D; 1.7 oz. \$40

RP71 Pocket Stereo

Pocket stereo with AM/FM tuner. Features built-in speaker and earphone. Uses 2 AAA batteries, 3 V ext DC. 2 $\frac{1}{4}$ " W x 3 $\frac{1}{16}$ " H x $\frac{1}{2}$ " D; 2.4 oz. \$40

MGR66 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features headphones; auto stop; battery indicator; AC/DC. Uses two AA batteries, 3 V ext DC. FR 40-14,000 Hz; S/N 50 dB without NR. 3 $\frac{3}{8}$ " W x 5 $\frac{1}{16}$ " H x 1 $\frac{1}{2}$ " D; 9 oz. \$38

MGP26 Pocket Stereo

Pocket stereo cassette player. Features headphones; auto reverse; locking FF/rewind; metal/chrome EQ switch; rechargeable. Uses two AA batteries, 3 V ext DC. W&F 0.35%; S/N 53 dB without NR. 3 $\frac{1}{4}$ " W x 4 $\frac{1}{16}$ " H x 1 $\frac{1}{16}$ " D; 11 oz. \$33

MGR60 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features headphones; auto stop; locking FF/rewind; AC/DC. Uses three AA batteries, 4.5 V ext DC. FR 40-14,000 Hz; S/N 50 dB without NR; W&F 0.2%. 3 $\frac{1}{16}$ " W x 5 $\frac{1}{16}$ " H x 1 $\frac{1}{4}$ " D; 8 oz. \$33

RP68 Pocket Stereo

Pocket stereo with AM/FM tuner. Features headphones; 3-button EQ; stereo indicator. Uses two AA batteries, 3V ext DC. \$30

MGP16 Pocket Stereo

Pocket stereo cassette player. Features headphones; auto stop; anti-rolling mechanism; 2-position tone control; AC/DC. Uses two AA batteries, 3V ext DC. FR 40-14,000 Hz; S/N 53 dB without NR; W&F 0.35%. 3 $\frac{3}{8}$ " W x 4 $\frac{1}{4}$ " H x 1 $\frac{1}{8}$ " D; 8 oz. \$23

RP66A Pocket Stereo

Pocket stereo with AM/FM tuner. Features headphones; high/low tone control; stereo indicator. Uses two AA batteries. 2 $\frac{3}{4}$ " W x 4 $\frac{1}{16}$ " H x $\frac{1}{8}$ " D; 4 oz \$23

RP45 Pocket Stereo

Pocket stereo with AM/FM tuner. Features headphones; slide-rule tuning; LED indicator; high/low tone control. Uses three AA batteries, 4.5 V ext DC. 3" W x 5 $\frac{1}{2}$ " H x 1 $\frac{1}{16}$ " D; 18 oz. \$17

MGP10 Pocket Stereo

Pocket stereo cassette player. Features headphones; auto stop; locking FF; AC/DC. Uses three AA batteries, 4.5V ext DC. FR 40-14,000 Hz; S/N 50 dB without NR; W&F 0.2%. \$17

RP65 Pocket Stereo

Pocket stereo with FM tuner. Features headphones; 2-position tone control. Uses two AA batteries, 3 V ext DC. 2 $\frac{1}{2}$ " W x 4 $\frac{1}{8}$ " H x 1 $\frac{1}{16}$ " D; 4 oz. \$17

SHARP

JC-77 Dolby Pocket Stereo

Auto-reverse pocket stereo with Dolby NR and AM/FM tuner pack that fits in cassette space. Fea-

GX3664XQ Pocket Stereo

AM/FM stereo cassette player with 3-preset EQ setting. Features FM mono/stereo switch; FM stereo and battery LEDs; detachable belt clip; headphones. \$53-\$73

GX3665 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features auto reverse; tone switch. Uses 2 AA batteries. 3 $\frac{1}{32}$ " W x 5 $\frac{1}{32}$ " H x 1 $\frac{19}{32}$ " D; 12.3 oz. \$65-\$85

SW410WQ Pocket Stereo Speakers

Powered speaker system for use with any pocket stereo product. Features 3" speaker, auto shut-off to save battery power. \$60-\$80

GF3155 Pocket Stereo

Pocket stereo cassette player. Uses 2 AA batteries. 3 $\frac{3}{8}$ " W x 5 $\frac{1}{8}$ " H x 1 $\frac{1}{2}$ " D; 11.2 oz. \$24-\$34

REALISTIC

AM/FM Stereo-Mate Pocket Stereo

Pocket stereo tuner with AM and FM, and Nova-34 headphones. Features AFC; left and right volume controls; $\frac{1}{8}$ " stereo headphone jack; red LED FM stereo indicator; slide-rule tuning; spring-loaded belt clip; auto off when headphones unplugged. Headphones weigh 2 oz. 4-ft cord. Uses 3 AA batteries. 4 $\frac{1}{4}$ " x 2 $\frac{1}{4}$ " x $\frac{1}{8}$ " \$22.88
Without headphones. \$19.95

12-108 AM Pocket Stereo

AM pocket stereo with headphones. Uses 9-V battery. 1 $\frac{3}{8}$ " x 4" x $\frac{1}{4}$ " \$8.88

SANYO

MGR150 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Records from tuner or microphone. Features metal/chrome EQ switch; Dolby B; headphones; auto reverse; anti-roll mechanism. Uses two AAA batteries, 3V ext DC. FR 45-16,000 Hz; S/N 58 dB with Dolby B; W&F 0.18%; 3 $\frac{1}{8}$ " W x 4 $\frac{1}{16}$ " H x 1 $\frac{1}{16}$ " D; 9 oz. \$150

MGR99 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features metal/chrome EQ switch; Dolby B; headphones; auto reverse; anti-roll mechanism; battery indicator; compatible with rechargeables. Uses two AAA batteries, 3 V ext DC. FR 40-16,000 Hz; S/N 63 dB with Dolby B; W&F 0.35%. 2 $\frac{1}{16}$ " W x 4 $\frac{1}{8}$ " H x $\frac{1}{16}$ " D; 8 oz. \$100

MGP44 Pocket Stereo

Pocket stereo cassette player. Features metal/chrome EQ switch; Dolby B; auto reverse; anti-rolling mechanism; auto stop; battery indicator; compatible with rechargeables. Uses two AAA batteries, 3 V ext DC. FR 40-16,000 Hz; S/N 63 dB with Dolby B; W&F 0.35%. 2 $\frac{1}{16}$ " W x 4 $\frac{1}{8}$ " H x $\frac{1}{16}$ " D; 8 oz. \$100

MGR80 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features Dolby B; auto reverse; headphones; 3-band EQ; mute switch; rechargeable. Uses two AAA batteries, 3 V ext DC. FR 40-14,000 Hz; S/N 53 dB without NR; W&F 0.35%. 3 $\frac{1}{8}$ " W x 5 $\frac{1}{2}$ " H x 1 $\frac{1}{16}$ " D; 12 oz \$65

MGR76 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features headphones; auto reverse; 2-position tone control; rechargeable. Uses two AA batteries, 3 V ext DC. FR 40-14,000 Hz; S/N 53 dB without NR; W&F 0.35%. 3 $\frac{1}{16}$ " W x 5 $\frac{1}{2}$ " H x $\frac{1}{16}$ " D; 12 oz. \$55

RP80 Pocket Stereo

Pocket stereo AM/FM tuner. Features headphones; collapsible design; mono switch; mute switch. Uses one AAA battery, 1.5 V ext DC. 4 oz. \$50

MGR70 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features headphones; 3-position EQ; anti-rolling mechanism; cue and review; AC/DC. Uses two AA batteries.

tures 4-band equalizer; stereo headphones; anti-rolling mechanism. Red, silver, or black. \$140

JC-22 Auto-Reverse Pocket Stereo

Auto/manual reverse pocket stereo with AM/FM tuner pack and NR. Features anti-rolling device; metal/chrome EQ; lightweight headphones; belt clip; power/battery LED; Red, silver, or black. \$120
JC-11. As JC-22 without tuner pack. \$90

JC-25 Pocket Stereo

Pocket stereo cassette player with AM/FM tuner. Features built in FM/AM lightweight headphone cassette stereo with fast forward and cue system. \$45

SONY

WM-D6C Professional Pocket Stereo

Cassette player/recorder with Dolby B and C NR; metal/chrome EQ switch; anti-roll mechanism; balance control; recording; battery indicator; compatible with rechargeables. Uses 4 1.5-V batteries; FR 40-15,000 Hz \pm 3 dB; S/N 71 dB with Dolby C. \$350

WM-DC2 Dolby B and C Pocket Stereo

Cassette player with metal/chrome EQ switch; Dolby B and C NR; anti-roll mechanism; second headphone jack; battery indicator; compatible with rechargeables. FR 40-15,000 Hz 1/IV tape. \$200

TECHNICS

SL-XP7 Portable Compact Disc Player

Top-loading CD player can be used with optional carrying case (below) and headphones, as portable. Features 1-beam laser; programming of 15 tracks; sound audible during fast forward and fast reverse; skip forward, skip back; fast forward; fast reverse; cancel; repeat of disc or program; headphone jack with adjustable level. Displays current track number, elapsed



time of current track, elapsed time of disc, remaining time on disc, or program stored in memory. Includes AC adaptor and cables for use with home stereo system. Max line output 2 V; headphone output 80 mW; THD at 1,000 Hz 0.006% at -0 dB; S/N > 90 dB; sep. > 90 dB; FR 4-20,000 Hz +0.5/-1.0 dB \$300
SH-CDB7. Carrying case with rechargeable NiCad batteries for SL-XP7 allows for use as portable. 3 hours playing time. Charges with AC adaptor. \$50

TOSHIBA

RT KS1 Dolby B & C Pocket Stereo

Pocket stereo cassette player with AM/FM tuner; soft-touch controls; auto reverse. \$160

KT 4055 Dolby Pocket Stereo

Pocket stereo cassette player with tuner pack; Dolby B; anti-roll mechanism; auto reverse; folding headphones; soft-touch controls; uses 2 AAA batteries; battery pack C-cell; output 20 mW. \$140

KT 4035 Pocket Stereo

Pocket stereo cassette player with built-in tuner; Dolby B; auto reverse; anti-roll mechanism; soft-touch controls; uses 2 AA batteries. \$100
KT 4015. Same as above. \$100

RT VS3 Pocket Stereo

Pocket stereo cassette player with headphones, AM/FM tuner. Features anti-roll mechanism; FM AFC; battery indicator. Uses 2 AA batteries; 6.3 oz. \$70

12 signal processors

ACCUPHASE

F-15 Electronic Crossover

Flexible electronic crossover allows stereophonic BI or TRI amplification. features plug-in boards for selection of crossover frequencies and slopes. FR 20-20,000 Hz +0.1, -0.2 dB; S/N 100 dB; THD 0.01%; IMD 0.003; 0.5 dB stepping level controls from 0 dB to 20.5 dB for Respective Audio Passbands. 18.3 lbs; 17.5" W x 4.4" H x 14.7" D \$1,250

ACE AUDIO

6000-6 Transient-Perfect Electronic Crossover

Designed for optimum transient performance at any crossover frequency (any frequency available); passes perfect square waves. With 1 frequency module (interchangeable), 6 dB/octave slope, dual level controls, ultra-low distortion and noise; 0.002% ±95 dB. 2 1/4" H x 6" W x 4 3/4" D \$175

6500-DSB Electronic Crossover

Designed to operate with any pair of stereo subwoofers to provide extra bass below 100 Hz; twin level controls; Bessel filters provide optimum slope and improved group delay; any frequency available from 40-200 Hz; slope 12 dB/octave, distortion typically 0.002% at 2 V output; includes 1 plug-in frequency module \$156

6500-SF. Similar to model 6500-DSB but also contains a built-in subsonic filter (18 dB/octave below 15 Hz) \$181

5000-6 Subwoofer Electronic Crossover

For mono subwoofers; crossover frequency 100 Hz (other frequency optional: extra charge \$16). Provides 18 dB/octave slope on subwoofer; 6 dB/octave on satellites for smoothest overall response. More than 1 subwoofer can be connected; built-in bridging amp. 1% precision components \$161

5000-6-SF. Similar to 5000-6 but also contains built-in subsonic filter (18 dB/octave below 15 Hz) \$181

5000 Subwoofer Electronic Crossover

Designed to operate with subwoofers or mini speaker systems. Features level control, defeat switch. Crossover 18 dB/octave at 100 Hz; noise -90 dB; distortion 0.025% at 2 V out, 0.01% typically; 2 1/4" H x 6" W x 4 3/4" D \$161

Kit \$106

5000-SF. Similar to 5000 but also contains built-in subsonic filter (18 dB/octave below 15 Hz) .. \$181

6000 Electronic Crossover

Designed for bi- or tri- (with 2 6000s) amplifying. Features plug-in frequency module; built-in power supply; 15 crossover frequencies, 200-10,000 Hz at 12-dB/octave; 2 tweeter level controls. THD and IMD 0.002%; input imp 220 k/ohms; output imp 100

ohms; hum and noise -90 dB; 6" W x 4 3/4" D x 2 1/4" H \$156

6000-SF. Similar to model 6000 but also contains a built-in subsonic filter (18 dB/octave below 15 Hz) \$181

ADC

Sound Shaper SS-425X Equalizer

Twelve-band frequency equalizer/spectrum analyzer with computer memory. Features calibrated electret-condenser mike; oversized fluorescent display switchable to show EQ curve or LTA L, R or L+R; LED meters for left and right channel; 2 tape monitors plus dubbing 1-2, 2-1; microcomputer with four memories for storing user-created EQ curves; ±12 dB control range. 9 1/4 lbs; 17.5" W x 3.5" H x 11.75" D \$450

Sound Shaper SS-415X Equalizer

Computerized memory frequency equalizer. Micro-computer remembers four separate curves. Features dual tape monitor facility; two-way dubbing; sep level controls for each channel. FR 20-20,000 Hz ±3 dB; S/N 100 dB; THD 0.008%; IMD 0.008%; control range ±15 dB. Center frequencies 16, 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k, 32k Hz; 17 1/2" W x 3 1/2" H x 11 1/4" D; 9 1/4 lbs \$430

Sound Shaper SS-412X Equalizer

Ten-band-per-channel octave equalizer/spectrum analyzer with pink-noise generation. Features calibrated electret-condenser mike; oversized fluorescent RTA display for L,R and L+R channels; 2 tape monitors; dubbing 1-2,2-1; ±15 dB. 9 1/4 lbs; 17.5" W x 3.5" H x 11.75" D \$380

Sound Shaper SS-315X Equalizer

Stereo frequency equalizer/spectrum analyzer. Features dual tape monitor facility; two-way dubbing; sep level controls for each channel. FR 20-20,000 Hz ±3 dB; S/N 100 dB; THD 0.009%; IMD 0.009%; control range ±15 dB. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k, Hz; 21 1/2" W x 7" H x 12" D; 9 1/4 lbs \$350

Sound Shaper SS-VIII Equalizer

10-bands-per-channel octave equalizer. Features 20 lit sliders; multicolor LED display; one tape monitor; preset customized curves for playing and recording; EQ play presets for rock/jazz/main EQ; EQ record presets for car/portable/main EQ/set flat; +15 dB control range. 9 1/4 lbs; 17.5" W x 3.5" H x 8.75" D \$280

Sound Shaper SS-115X Equalizer

Stereo frequency equalizer. Features dual tape monitor facility; dubbing. FR 20-20,000 Hz ±3 dB; S/N 100 dB; THD 0.009%; IMD 0.009%; control range ±15 dB. Center frequencies 31.5, 63, 125, 250,

500, 1k, 2k, 4k, 8k, 16k, Hz; 21 1/2" W x 7" H x 12" D; 9 1/4 lbs \$230

Sound Shaper SS-117EX Equalizer

10-band-per-channel octave equalizer/spatial expander. Features 20 lit sliders; multicolor LED display for spatial-expansion level; two tape monitors; dubbing 1-2,2-1; spatial expansion in/out and level control. 9 1/4 lbs; 17.5" W x 3.5" H x 8.75" D \$230

Sound Shaper SS-112X Equalizer

Ten-bands-per-channel octave equalizer. Features LED display; one tape monitor; ±12 dB control range; EQ defeat; EQ pre/post (record or play). 9 1/4 lbs; 17.5" W x 3.5" H x 8.75" D \$130

AIWA

PCM-800 Digital Audio Processor

Compact single-chip LSI analog-digital/digital-analog converter for recording and playback with any VCR for extended hours of digital listening. Features front-panel PCM/VCR selector switch; wide scale recording level indicator (-60 dB-0 dB); tracking adjustment; rec mute switch; line output level control; headphone output level control; mike jacks; rec emphasis switch. FR 2-20,000 Hz ±3 dB; S/N 86 dB; THD 0.007%; AC 110/220 V, 50/60 Hz. 13" W x 2 1/4" H x 12 1/2" D; 7.7 lbs \$650

SFC-1 Audio/Video Surround System

Provides surround sound from 2 speaker system. Selectable acoustic effects include concert hall/theater presence and sports stadium/arena presence. Simulates stereo sound from mono sources. Features



surround effect selector; LED signal level display; built-in power amplifier for ambient sound projection; separate left and right speaker volume controls; AC 110/220 V, 50/60 Hz. FR 45-35,000 Hz ±3 dB; S/N 90 dB. 13" W x 2 1/4" H x 12 1/2" D; 7.25lbs \$200

ALLISON

The Electronic Subwoofer

Stereo bottom-octave equalizer/bandpass filter for use in tape-monitor or external-processor loop of preamp, amp, receiver. Has FILTER ONLY switch. Rolloff 24 dB/octave below 20 Hz, 18 dB/octave beyond 20,000 Hz; turnover frequencies +3 dB at 41, 35.5, 48 Hz (extends Allison speakers flat to 20 Hz); S/N 100 dB min A-wtd; 14 1/4" W x 4 3/4" D x 2" H \$290

AUDIO CONCEPTS

Shadow Limited Edition

Phase and amplitude correct stereo bi-amp crossover. Features Bessel, Butterworth configuration; passes accurate square waves. Frequencies available 50-5,000 Hz. 19" W x 1 1/4" H x 7" D; 9 lbs \$289/kit Assembled \$449

Shadow

Two- or three-way electronic crossover. Features plug-in frequency-change modules, 6 or 18 dB/octave slopes, rack mount chassis, gold-plated connections. 9 lbs; 19" W x 1 1/4" H x 7" D \$249/kit

PRICES LISTED

are only the manufacturers' suggested retail prices

(also referred to as *list prices*)

which are subject to change without notice.

Actual selling prices are set by the dealers.

AUDIO CONTROL

C-101 Series 2 EQ/LED Spectrum Analyzer

Stereo graphic equalizer features 101-LED spectrum analyzer display that operates on various levels; shows controllable peak-reading modes (fast/slow); horizontal LEDs indicate SPL with external mike of VU meter readings; switchable calibration levels from 2/dB/LED (analyzes pink noise and mike) to 4 dB/LED (displays wider dynamic range). Center frequencies 32, 60, 120, 480, 960, 1,920, 3,840, 7,680, and 15,500 Hz; boost/cut range ± 15 dB; -1 dB subsonic rolloff at 25 Hz, -3 dB rolloff at 20 Hz, -21 dB rolloff at 10 Hz; variable input level sens with calibration; auto mike/line input switching; pink-noise generator; stereo paired equalizer sliders; 18 dB/octave subsonic filter; phase correlation rumble reducer circuit. FR 3-100,000 Hz ± 0.75 dB; distortion 0.009%; hum and noise -116 dB; 10,000 Hz bandwidth; input/output imp 100k/150 ohms; 19" W \times 6.5" H \times 3.5" D..... \$429

Ten Plus Series Two Equalizer

Stereo 10-band equalizer with LED indicators in slide controls. Features video sound input; 18 dB/octave infrasonic filter; tape EQ with flashing LED warning indicator; calibrated mike with response curve; sound pressure meter with 0 dB LED. FR 3-100,000 Hz ± 1 dB; THD 0.07%; S/N 99 dB \$329

Richter Scale™ Equalizer/Analyzer

Unit combines five-band half-octave bass equalizer, warble tone analyzer, electronic crossover, measurement mike; designed to enhance bass response. Features center frequency slide controls at 31.5, 45, 63, 90 and 125 Hz, ± 12 dB; stereo warble tone source adjustable to each center band via rotary switch; -20 to $+3$ dB lighted meter registering mike input; 18 dB/octave infrasonic filter; source/tape monitoring; equalize program; low-frequency (12 dB/octave

at 200 Hz) summing circuit for rumble reduction; ultra-low-boost ($+15$ dB at 36 Hz) switch; 100/1,000 Hz (12 dB/octave) electronic crossover circuit for subwoofer and bi-amplification modes. FR 3-100,000 Hz ± 1 dB; THD 0.008%; input imp 100,000 ohms; output imp 150 ohms, S/N 116 dB \$259

Phase Coupled Activator

Detects and digitally reconstructs fundamental musical frequencies attenuated in the recording processes. Proprietary intelligent circuitry discriminates between sound sources, passing some, like voices, while restoring musical fundamentals. Features in/out switch; subsonic filter 18 dB/oct; programmable electronic crossover; subwoofer outputs; hi/low balance



adjustment; tape monitor; detection ratio sensitivity adjustment; rack mount. FR5-100,000 Hz ± 3 dB; S/N -118 dB; THD 0.005%; IMD 0.01%. 17" W \times 2.75" H \times 8.5" D; 5 lbs \$259

Octave Plus Equalizer

Unit combines 10-band octave graphic equalizer, warble tone generator/analyzer, measurement mike. Features center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 17k Hz; ± 12 dB boost or cut; stereo warble tone source adjustable to each band center via rotary switch. 2-position range buttons; -20 to $+3$ dB lighted meter registering mike input; 18 dB/octave infrasonic filter, source/tape monitoring. FR 3-100,000 Hz ± 1 dB; THD 0.008%; input imp 100,000 ohms; output imp 150 ohms; S/N 116 dB, charcoal faceplate \$229

Ten Series Two Equalizer

Stereo graphic equalizer with video/sound input, 18 dB/octave infrasonic filter. Features LEDs in slide controls; flashing LED to indicate when in tape EQ mode. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; boost/cut range ± 12 dB; FR 3-100,000 Hz ± 1 dB; THD 0.005%; S/N 120 dB \$229

Video Soundtracker

Stereo synthesizer with dynamic noise reduction and 5-band equalizer for television or VCR sound. Features frequency centers at 60, 250, 1,000, 3,500, 10,000 Hz. Digital stereo synthesizer, 14 dB noise reduction at 7,000 Hz. FR 10-15,750 Hz ± 1 dB; S/N -80 dB; THD 0.05%; 17" W \times 2.5" H \times 6" D; 6 lbs \$159

Octave Equalizer

Features paired-octave slider controls, tape record EQ. 18 dB/octave subsonic filter. FR 3-100,000 Hz ± 1 dB; S/N 118 dB; THD 0.008%; 17" W \times 2.5" H \times 6" D; 6 lbs \$149

AUDIONICS

SD-2 Surround Sound Decoder

Decodes Dolby MP matrix tracks encoded on LaserDisc and Beta Hi-Fi software. Features automatic input balance, built-in time delay on surround channel. 9 lbs; 17" W \times 2.6" H \times 10" D \$395

AUDIO RESEARCH

EC-21 Electronic Crossover

Vacuum-tube, low-frequency, passive high-frequency electronic crossover; features individual low-ch level controls; 9-dB max gain; auto warm-up muting; fixed frequency capacitor kits available. Input imp 100k ohms; THD 0.003%; outputs match Audio Research

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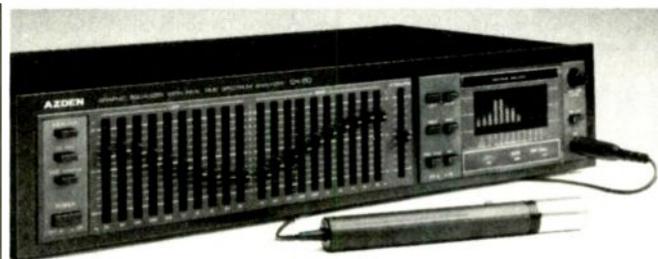
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There's nothing in its price range that can compare with the AZDEN GX-50. Handsomely styled to complement the rest of your audio components, it has all the features you could possibly want.

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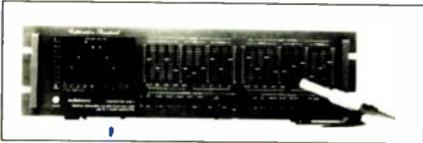
AUDIOSOURCE

AV-One Audio/Video Selector/Processor

Processor provides controls to enhance audio and video for record and playback. Audio section features 10-band, single-octave equalizer with W-taper linear slide potentiometers; DNR; hiss filter; stereo synthesizer; LED level meters. Video section features switching of 5 video inputs; sep controls for detail and sharpness; RF modulator. Audio, video, mike faders. Rack mountable; black finish. FR 20-0,000 Hz \pm 0.5 dB; S/N 86 dB. 10 lbs; 19" W x 5 7/8" H x 18 1/8" D \$580

EQ-One Series II Graphic Equalizer/Analyzer

Rack-mount, professional-type stereo graphic equalizer with built-in real-time analyzer, pink-noise generator, omnidirectional electret condenser mike. Features LED display of 80 red, 10 green, 2 red LEDs that constantly give accurate music readings, infrasonic filter. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; boost/cut range \pm 12 dB; FR 3-100,000 Hz \pm 0.75 dB; distortion



0.0045% 20-15,000 Hz, 0.027% 20-20,000 Hz; hum and noise -99.7 dB at 1 V; max input/output 6.8 V; input/output imp 100k/68 ohms; infrasonic filter slope -18 dB/octave; analyzer display range \pm 16 dB; pink-noise output level/imp 100 mV/6k ohms; mike sens -73 dB at 1,000 Hz \pm 3 dB; mike imp 600 ohms; mike FR 30-16,000 Hz; 19" W x 8.36" D x 5.22" H; 8.4 lb. \$430

EQ-Seven Equalizer

10-band single octave graphic equalizer with push-button controls; control centers at 30, 60, 120, 250, 500, 1k, 2k, 4k, 8k, 16k Hz. Features level meters with 3-color LED display, LEDs on slide controls, tape monitor, A-B selector switch, EQ rec switch for tape recordings. FR 5-100,000 Hz \pm 0.5-1 dB; S/N -90 dB; THD 0.03%; input imp 250 mV/100,000 ohms; output imp 600 ohms; 6 lbs; 16 1/2" W x 3" H x 8 1/2" D \$250

EQ-Eight Graphic Equalizer

10-band equalizer with 90-LED spectrum display. Features LEDs on slide controls; control range \pm 12 dB; audio inputs plus second set of inputs for video audio or other high-output source; EQ rec switch; EQ defeat; tape monitor switch. FR 5-100,000 Hz \pm 1 dB; S/N -80 dB; THD 0.03%. 5 lbs; 16 1/2" W x 2 1/2" H x 7 1/2" D \$180

EQ-Five Equalizer

5-band stereo equalizer with bands centered at 60, 250, 1k, 3.5k, 10k Hz, \pm 12 dB. Features defeat switch for A-B comparison; tape-monitor switch and inputs. LED illuminated slide controls. FR 5-100,000 Hz \pm 3 dB; S/N 80 dB; THD 0.05%; max output 5V; input imp. 30K ohms; output imp 600 ohms; 3 lbs; 10 1/4" W x 3 1/2" H x 7" D \$100

AZDEN

GX-50 Equalizer

Black 10-band equalizer with real-time spectrum analyzer; pink-noise generator; mike. FR 10-35,000 Hz \pm 3 dB; S/N 90 dB; THD 0.005%. 10 lbs; 17" W x 3 1/2" H x 9" D \$350

GX-33 Graphic Equalizer

Black 10-band graphic equalizer with push-buttons; LEDs; NR with reverse function. FR 10-35,000 Hz \pm 3 dB; S/N 110 dB; THD 0.005%. 8 lbs; 17" W x 3 1/2" H x 9" D \$250

GX-30 10-Band Graphic Equalizer

Black 10-band-per-channel graphic equalizer with 20

slide switches. FR 10-35,000 Hz \pm 3 dB; S/N 110 dB; THD 0.005%. 8 lbs; 17" W x 3 1/2" H x 9" D \$200

CARVER

Digital Time Lens

Designed for use between a Compact Disc player and preamp, integrated amp, or receiver to ameliorate the hot, harsh, bright sound sometimes found on Compact Discs by restoring the octave-to-octave balance originally intended by the musicians and recording engineer. Also corrects ratio of L-R to L+R to recover lost ambience and spatial detail. 17 1/8" W x 1 1/2" H x 4" D \$249

C-9 Sonic Hologram Generator

Patented outboard unit employs Sonic Holography, attaching to any conventional hi-fi system to restore lifelike space and dimension to music. Sonic Hologram Generator precisely locates instruments and vocals in 3-dimensional space by using otherwise inaudible phase and time information to recreate the original vector sound field. Requires no special source material or additional speakers. Specs and performance identical to Sonic Holography section of C-4000 preamp. 19" W x 1 1/4" H x 4 1/4" D .. \$229

TX1-11 Asymmetrical Charge Coupled Decoder

Asymmetrical Charge Coupled FM decoder designed to be added to any component system for use in the stereo mode of any FM tuner or receiver. Features the Asymmetrical Charge Coupled FM decoder circuitry to improve existing tuner or receiver stereo quieting by 20 dB (10 times quieter); will improve multipath rejection by 10 dB; FR 5-60,000 Hz -3 dB; THD 20-20,000 Hz 0.05%; IMD 0.05% SMPTE, CCIF 0.05%; sep better than 30 dB 20-20,000; stereo quieting 50 dB; 17 1/4" W x 1 1/4" H x 5" D .. \$250

CERWIN-VEGA

DB-10 Bass Turbocharger

A combination bass equalizer/subsonic filter which boosts bass response at 30 Hz by 5 to 10 dB (switchable), and at the same time eliminates all subsonic distortion below 20 Hz. Allows power handling to be increased while adding substantial low frequency information to response. FR \pm 0.25 dB; rated output 2 V RMS; max output 8 V RMS; HD or IMD 0.025% 50

DAHLQUIST

DQ-LP 1 Stereo Variable Low Pass Filter

For amplified bass speaker/subwoofer applications. Electronic crossover with passive low-distortion high-pass filter, active low-pass section. Each ch independently variable 40-400 Hz; 18 dB/octave low-pass cutoff slope; separate bass EQ control adjustable 0-5dB boost at 20 Hz; choice or combination of stereo and L+R center ch bass outputs; separate bass controls; up to 15 dB gain; black satin brushed panel; walnut end blocks; 12 1/4" W x 5 1/4" H x 2 1/4" D \$395

DB SYSTEMS

DB-3 Active Crossover

Designed for bi- and triamplified speaker systems. Features asymptotic slope 12 dB/octave Gaussian or 18 dB/octave Butterworth; fixed crossover frequencies (specify on order); available 2- or 3-way (for common bass channel, designate 1/2 or 2 1/2-way, respectively); individual channel gains screwdriver adjustable. THD 0.0008%, 20-20,000 Hz; noise -95 dB; summed-output FR within 1 dB 5-50,000 Hz; requires DB-2A power supply or DBP-1 auxiliary cable. 3-way Butterworth crossover \$539
2-way Butterworth crossover \$384
3-way Gaussian crossover \$349
2-way Gaussian crossover \$292
Additional common bass \$20
DB-3-18-100. Similar to DB-3 except 2-way electronic subwoofer crossover with 18 dB/octave Butterworth crossover at 100 Hz and additional common bass; requires DB-2A power supply \$322
DB-2A. Power supply for DB-3 and DB-3-100 .. \$85

DBP-1. Auxiliary cable \$17.95

DB-3-24 In-Phase Crossover

Twenty-four dB/octave crossover minimizes irregularity in radiation pattern through crossover region. High-, low-pass outputs always in phase with each other, 6 dB down at crossover frequency. Noise performance improved by 10 dB over 18-dB DB-3. Requires DB-2A power supply or DBP-1 cable. User specifies frequency. Available in 2-way only .. \$490
DB-3-24-100. Standard version of above, set at 100 Hz, with additional common bass \$405

DB-5 Tone Control

Tone controls with 3 high and 3 low break frequencies; low-frequency boost switch and outputs for sum and difference signals. Requires separate power supply. FR 10-100,000 Hz \pm 3 dB; S/N 96 dB; THD 0.0008%; IMD 0.001%. Requires DB-2A power supply or DBP-1 aux cable if used with existing DB Systems equipment. 8.5" W x 3.2" H x 7" D; 2.8 lbs \$380

DB-5AU. Similar to DB-5 with oak cabinet and gold jacks \$465

DB-7 Phase Inverter

Phase inverter and bridging adapter with supersonic and subsonic filters (18 dB). Requires separate power supply. FR 10-100,000 Hz \pm 3 dB; S/N 109 dB; THD 0.003%; THD 0.003%; IMD 0.003%. Requires DB-2A power supply or DBP-1 aux cable if used with existing DB Systems equipment. 6.2" W x 2.2" H x 4.5" D; 1 lb. \$195

dbx

Dynamic-Range Expanders

Expanders increase dynamic range of records, tapes, FM and TV broadcasts by as much as 50%, reduce background noise by as much as 20 dB; all models also now restore impact of transients (musical attacks) lost in record production and broadcasting.

4BX. Rack-mountable advanced expander processes bass, middle frequencies, and treble separately to make loud passages louder and soft passages quieter, and also includes Impact Restoration circuit to restore punch to musical attacks (transients). Features wireless remote logi control for all nonswitching functions including On/Mute, off, volume, and bypass, enabling remote stereo-system gain control even when not using expansion or impact restoration. Also features 4 rows of LEDs to monitor expansion in each range plus degree of impact restoration; expansion-level control; transition-level control; and tape-monitor loop to replace one occupied by expander. Expansion variable from none (1:1) to 50% (1:1.5), each band; impact-restoration gain variable from 0 to +12 dB, each band; dynamic range > 105 dB (max RMS S/N, A-wtd); FR 20-20,000 Hz \pm 0.5 dB at no expansion (pink noise or music); THD < 0.15% at no expansion; IMD < 0.1% at any setting; equivalent input noise -90 dBV A-wtd; attack rates program-dependent, optimized for each band; release rates for linear expander are program-dependent and optimized, and for impact restorer are adjustable; high-frequency transition adjustable; volume-control range -40 to \pm 10 dB. 3 1/2" H x 17 1/8" W x 12 1/4" D ... \$799
3BX Series Three. Rack-mountable expander processes bass, mid-frequencies, and treble separately to make loud passages louder and soft passages quieter. Includes impact restoration to add punch to musical attacks (transients). Features 4 LED rows, 3 to monitor expansion in each range plus one for impact restoration; expansion- & impact-restoration-level controls; transition-level control; and tape-monitor loop to replace one occupied by expander. Expansion variable from none to 50%, each band; impact restoration to +12 dB; dynamic range > 105 dB (max RMS S/N, A-wtd); FR 20-20,000 Hz \pm 0.5 dB at no expansion (pink noise or music); THD < 0.15% at no expansion; IMD < 0.1% at any setting; equivalent input noise -88 dBV A-wtd; attack rates program-dependent, optimized for each band; release rates for linear expander are program-dependent and optimized and for impact restorer are adjustable; 1 1/4" H x 17 1/2" W x 8 3/4" D \$599

1BX Series Three. Rack-mountable, full-range expander processes full audio spectrum to make loud passages louder and soft passages quieter. Includes impact restoration to add punch to musical attacks (transients). Features LED rows to monitor upward and downward expansion and impact restoration; expansion- & impact-restoration-level controls; transition-level control; and tape-monitor loop to replace one occupied by expander. Expansion variable from none to 50%; impact restoration to +12 dB; dynamic range > 105 dB (max RMS S/N, A-wtd); FR 40-20,000 Hz ± 0.5 dB, -2 at 20 Hz, any setting (pink noise or music); THD < 0.15 at no expansion; IMD < 0.1% at no expansion; equivalent input noise -88 dBV A-wtd; attack and release rates program-dependent; $1\frac{1}{4}$ " H \times $17\frac{1}{2}$ " W \times $8\frac{1}{4}$ " D \$249

120X Subharmonic Synthesizer

Rack-mountable unit creates signals between 27-55 Hz by sampling 55-110 Hz program input; restores bottom octave commonly lost during record manufacture and broadcasting. Has knobs to control subharmonic synthesis as well as low-frequency boost and output to subwoofer; LEDs show synthesized frequencies. Contains electronic crossover with separate output; at 120 Hz there are 12 dB/octave highpass and 6 dB/octave lowpass filters. FR (main signal ch) 25-20,000 Hz ± 1 dB; THD (main signal ch) < 0.05% 30-20,000 Hz; output noise (main signal ch) -83 dBV A-wtd (input shorted, controls at max); $1\frac{1}{4}$ " H \times $17\frac{1}{2}$ " W \times $8\frac{1}{4}$ " D \$269

Audio/Video Signal Processor Package

SX-10. Dynamic-range expander enhances audio portion of a video program; also has full-bandwidth setting for processing good-quality audio. Making louds louder and softs softer; increases dynamics and drama of video sound while making background noise less obtrusive. LED row monitors upward (to +6 dB) and downward expansion (to -12 dB); single knob controls both level-match point and amount of enhancement. Switching comprises video/audio (restricted/unrestricted processing bandwidth), bypass, and tape-monitor loop to replace one occupied by unit. Expansion variable from none to 50%; dynamic range 96 dB (max RMS S/N, A-wtd); FR 20-20,000 Hz ± 1 dB (Audio mode) or 20-3,500 Hz (Video mode, with -3 dB at 7,000 Hz and -6 dB at 15,000 Hz) any setting (pink noise or music); typical THD 0.3%; equivalent input noise -85 dBV A-wtd; $1\frac{1}{4}$ " H \times $8\frac{9}{16}$ " W \times $7\frac{1}{2}$ " D.

SX-20. Fast-acting dynamic-range expander designed to add impact or punch to musical attacks (transients) in audio portion of a video program; also has full-bandwidth setting for processing good-quality audio. Increases impact of all program material. LED row monitors amount of impact restoration (to +12 dB, signal-dependent); single knob controls potential amount. Switching comprises video/audio (restricted/unrestricted processing bandwidth), bypass, and tape-monitor loop to replace one occupied by unit. Dynamic range 96 dB (max RMS S/N, A-wtd); FR either mode 20-20,000 Hz ± 1 dB (pink noise or music); signal-processing bandwidth in video is -3 dB at 2,000 Hz; THD 0.3%; equivalent input noise -85 dBV A-wtd; $1\frac{1}{4}$ " H \times $8\frac{9}{16}$ " W \times $7\frac{1}{2}$ " D.

SX-30. Bass Enhancer. Upward-only expander dynamically increases bass below 250 Hz; adds low-frequency power to audio portion of a video program or to conventional audio material. LED row monitors bass enhancement (to +12 dB, signal-dependent); single knob controls amount. Switching comprises Video/Audio, Bypass, and tape-monitor loop. Dynamic range 96 dB (max RMS S/N, A-wtd); FR 20-20,000 Hz ± 1 dB (Audio mode) or 20-7,000 Hz (Video mode, with -3 dB at 9,500 Hz) any setting (pink noise or music); THD 0.3%; equivalent input noise -85 dBV A-wtd; $1\frac{1}{4}$ " H \times $8\frac{9}{16}$ " W \times $7\frac{1}{2}$ " D.
SX-10, 20, and 30 \$149

10/20 Computerized Automatic Equalizer

Rack-mountable computerized 10-band stereo octave equalizer (ISO centers) automatically equalizes speaker system to room in 30 seconds or less. Unit includes digitally controlled stereo graphic equalizer (± 12 dB) with single-band accuracy within 1 dB at

any setting; real-time analyzer; stereo uncorrelated pink-noise generator; SPL meter 10 memories for storing EQ settings; settings may be averaged; L and R EQs may be averaged. Will automatically equalize speakers separately or as a stereo pair. L, R, L+R EQs may be displayed separately. THD and IMD < 0.03%; equivalent input noise -98 dBV A-wtd; dynamic range > 112 dB; readout 25 LEDs \times 11-band display, auto-ranging RTA maintains display in center of screen; peak hold freezes highest average reading encountered; pink-noise accuracy ± 0.5 dB; mike is omnidirectional electret condenser, FR 20-20,000 Hz ± 1 dB measured on octave-band basis (ISO centers) and equalized by analyzer network; high-frequency rolloff 1 dB/octave above 1,000 Hz (-4 dB at 16,000 Hz); "Set Flat" returns equalizer to no-EQ condition with accuracy of ± 0.5 dB 20-20,000 Hz. Sharp (18 dB/octave) infrasonic filter; pre/post tape EQ switch. $3\frac{1}{2}$ " H \times $17\frac{1}{16}$ " W \times $12\frac{1}{4}$ " D \$1,200

Type II Noise-Reduction Unit

Model 224X. Rack-mountable linear decibel compander offers simultaneous encode/decode (record/play) for full monitoring with 3-head decks; also works with 2-head decks. Decodes dbx discs. Level-match controls and LED displays on front panel. Effective NR 40 dB or more, dynamic range > 105 dB (max RMS S/N, A-wtd); FR 40-20,000 Hz ± 0.5 dB, -1 dB at 35 Hz, -2 dB at 30 Hz (pink noise or music); equivalent input noise -88 dBV A-wtd; THD < 0.15% 100-20,000 Hz, < 0.5% 100 Hz; IMD (SMPT) < 0.2%. $1\frac{1}{4}$ " H \times $17\frac{1}{2}$ " W \times $8\frac{3}{4}$ " D \$249

DENNESEN ELECTROSTATICS

Phase Restoration Device

Corrects for high-frequency phase delay caused by analog filters in digital recorders and CD players. Features process or bypass, phase plus, phase minus. FR 10-100,000 Hz ± 1 dB; S/N 90 dB; THD 0.01%; 5 lbs; 10 " W \times $1\frac{1}{4}$ " H \times 8 " D \$300

DENON

DE-70B Dynamic Equalizer

12-band stereo graphic equalizer. Can be used to control dynamic expander function for increased dynamic range at selected frequencies with adjustable rate level. Features separate rec out and input selectors; 3-position monitor switch. FR 10-200,000 Hz +0, -2.5 dB; low distortion -0.003% at 1,000 Hz \$425

FISHER

EQ-276B Graphic Equalizer

20-Band graphic equalizer. Features 20 slide controls (10 left + 10 right); spectrum analyzer with fluorescent displays for each frequency plus master level; analyzer level slide control; equalizer on/off and record switches; 10 dB boost or cut with each control \$300

EQ-285B Graphic Equalizer

18-Band graphic equalizer with spectrum analyzer. Features 18 lighted slide controls (9 left + 9 right); fluorescent displays for each frequency; equalizer recording capability; tape monitor switch. 440 mm W; 10 lbs \$250

EQ-283B Graphic Equalizer

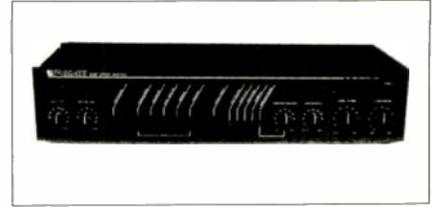
20-band graphic with lighted slide controls. Features 20 slide controls (10 left + 10 right); 12 dB boost/cut with each control. 440 mm W; 10 lbs \$150

FOSGATE

3601 Space Matrix[™] Directional Processor

Broad imaging spatial reproduction of mono material and ambience reproduction of stereophonic material with direct sources occupying front stage and out-of-phase reverberant information heard from the sides and back. Features 2 separate built-in rear-channel power amps (40 W/ch); optional line outputs for ex-

ternal amplification; optional center-front output; LED surround-channel indicator; adjustable bass EQ;



ultra low-distortion electronic volume and balance controls; built-in time delay; 5 monitor indicators; tape monitor switch. Remote control unit and rack-mounting adaptors available. Requires 4 speakers (2 front channel/2 rear channel). Main decoder section: THD 0.05% 20-20,000 Hz; FR 5-40,000 Hz +0, -1 dB; bass EQ 18 dB boost at 45 Hz; input level 100 mV; input imp 50,000 ohms; output level adjustable to 3.5 V/RMS. Time delay section: delay 20 mS fixed; FR 20-7,000 Hz +0, -3 dB; THD 0.5%. $17\frac{1}{4}$ " W \times $3\frac{1}{2}$ " H \times $7\frac{1}{2}$ " D; 10 lbs \$625

GLI

EQ-1500 Graphic Equalizer

Stereo 10-band graphic equalizer with high-speed Bi-FET IC circuitry. Features center detent on slide controls; defeat switch; main, aux, tape monitor input switches. Center frequencies 30, 60, 120, 240, 500, 1k, 2k, 4k, 8k, 16k Hz; boost/cut range 12 dB; FR 20-20,000 Hz ± 0.5 dB EQ flat; distortion 0.05% at 1 V RMS out; THD and IMD 0.005%; slew rate 14 V/microsec; S/N 90 dB below 2 V RMS; max output 10 V before clipping. 19 " W \times $3\frac{1}{2}$ " H \times $7\frac{1}{4}$ " D; 7 lbs \$249

GOLD SOUND

AX-1 Electronic Crossover

Variable slope 100 Hz subwoofer crossover. Features variable slope 6, 12, 18 dB/octave; variable high and low frequency output; variable bass EQ; phase coherent; 18 dB subsonic filter; kit PCB board completely assembled and tested. S/N > 90 dB; THD 0.002%; input imp 50K ohms, output imp 600 ohms; input and output voltage up to 8 V RMS; slew rate 50 V/ μ s; 5 lbs; 19 " W \times $1\frac{1}{4}$ " H \times 6 " D, rack mount. Assembled \$200

HAFLER

160 Stereo Graphic Equalizer

Stereo graphic equalizer with 10 LED -20 to +3 dB level display, equalize/straight-wire bypass switch, tape-monitor switch, record switch, adjustable metering, optional mike and test record, center-detented (flat position) slide controls, biFET/bipolar transistor design, class-A operation. Equalizer range at octave intervals from 32 to 16,000 Hz; boost/cut range ± 12 dB; level control 8 dB; max output level 8 V RMS; 20-20,000 Hz +0/-0.3 dB; THD > 88 dB below 3 V RMS (0.004%); IMD > 90 dB below 8 V RMS (0.003%); input/output imp 68k ohms bypassed with 300 pF/<600 ohms to 25 kHz; hum and noise 115 dB below 8 V RMS A-wtd; sep > 88 dB at 1 kHz, > 55 dB at 20 kHz; mike input FR 20-20,000 Hz +0/-0.5 dB; mike input sens 1.8 mV for 0-dB meter indication, mike gain control at max; line monitor sens adjustable 80 mV to beyond 8 V for 0-dB meter indication; 11 lbs.

Kit \$275
Assembled \$375

HARMAN KARDON

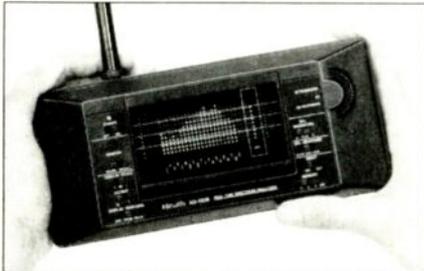
EQ8 Graphic Equalizer

Stereo 10-band graphic equalizer with continuously variable infrasonic filter (from 5 to 30 Hz). Features separate left and right input controls with overload LEDs; tape monitor; tape EQ. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; boost, cut range ± 12 dB; FR 5-140,000 Hz +0, -3 dB (all controls at zero); THD 0.02% at 2 V output, 20-20,000 Hz. $17\frac{1}{16}$ " W \times $12\frac{1}{16}$ " D \times 4 " H \$235

HEATH COMPANY

AD-1308 Spectrum Analyzer

Hand-held, portable real-time spectrum analyzer with microprocessor control. Features 1/2 and 1 octave; display of line input, acoustic pickup spectral response, sound pressure level; 5 memories to store and recall responses. Thumbwheel attenuator selects



scaling in 10 dB steps from 50-120 dB SPL. Range 23-126 dB SPL; SPL accuracy ± 1 dB A-wtd; mic self-noise level < 36 dB SPL; input imp > 10 kohms; input sens 90 dB; power 10.5 V $\pm 10\%$ \$280

AD-1309 Noise Generator

Pink/white noise generator supplies audio energy with precise frequency characteristics to properly make measurements with real-time or swept-filter analyzers. Features front-panel phono plug outputs; rotary power level control. Uses 1 TVDC battery. Pink noise: FR 20-20,000 Hz ± 1 dB; output > 350 mV RMS average; peak 1.5 V. White Noise: FR 20-20,000 Hz ± 3 dB; output > 350 mV RMS average; peak 1.5 V \$50

HITACHI

HGE-1100 Graphic Equalizer

Stereo 10-band graphic equalizer with tape monitor, record EQ capability. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; boost/cut range ± 10 dB; FR 5-30,000 Hz $+0/-0.5$ dB; gain 0 dB; S/N 70 dB; input sens/imp 150 mV/47 kohms input and tape play, 1 mV/8k ohms mike; output level/imp 150 mV/4 kohms; max output 5 V; 17 1/2" W x 8 1/2" D x 3 1/2" H; 6 lbs 10 oz \$150

INFINITY SYSTEMS

Burwen DNF 1201A Dynamic Noise Filter

Processes any 2-channel or matrix-encoded material from turntable, tape deck, receiver, tuner. Features push-button controls for selecting NR; sens control with LED display. FR (min bandwidth) -3 dB at 30 Hz, -10 dB at 1 kHz, -20 dB at 2.5 kHz; (max bandwidth) -0.5 dB max 10-20,000 Hz, -3 dB at 30 kHz, -25 dB at 100 kHz; attenuation rate 9 dB/octave; NR levels up to 30 dB beyond 5 kHz, 14 dB beyond 400 Hz; HD 0.2% max; gain 0 dB at 1 kHz, adjustable to 10 dB; internal noise 100 μ V RMS, 20-20,000 Hz; has 8 phono jacks and tape-deck connectors; 17 1/2" W x 8 1/2" D x 2 1/2" H \$350

JANIS

Janis Interphase 1A Crossover Amp

Crossover amplifier featuring stereo crossover at 100 Hz, 18 dB for high-pass and bass low-pass. Capability to integrate subwoofers with other speakers. FR 1-100 Hz ± 3 dB; S/N -92 dB; THD $< 0.02\%$; 25 lbs; 14" W x 3.5" H x 14" D \$675

JVC

SEA-M9 Stereo Graphic Equalizer

Computer-controlled Sound Effect Amp stereo graphic equalizer that can automatically equalize for room acoustics. Features LSI electronic switches; 5 preset frequency curves; auto acoustic compensation for flat response; SEA spectrum analyzer. FR 10-100,000 Hz $+0, -2$ dB, S/N 118 dB; THD 0.003%; 12 frequency equalizer controls/ch; 22 lbs; 17 1/2" W x 5 1/2" H x 14 1/2" D \$1,200

SEA-R7 Stereo Graphic Equalizer

Sound Effect Amp stereo graphic equalizer with built-in multi-band delay time equalizer. Features reverb selectivity at 5 frequencies; time bucket brigade devices for each ch; 12 controls/ch from 16 to 32,000 Hz; control range switch for ± 12 dB or ± 6 dB; control buttons for recording, monitoring, and dubbing with two decks; 2-color fluorescent character display panel; -6 dB input attenuator switch; SEA Character switch with normal and reverse position for dynamic companding; THD 0.001% 20-20,000 Hz ... \$400

SEA-66 Spectrum Analyzer

Spectrum analyzer and pink noise generator for accommodation to individual room acoustics. 10 LED frequency controls per ch; 10-band real-time spectrum analyzer; SEA defeat switch. FR 10-100,000 Hz $+0, -2$ dB, S/N 115 dB; THD 0.001%. 3 deck connections with dubbing 1 to 2, 2 to 1, 3 to 1, 7.7 lbs; 17 1/2" W x 3" H x 11" D \$300

SEA-33 Stereo Graphic Equalizer

Slim-line, 10-band/ch graphic equalizer. Features SEA recording and defeat switches; transistor inductors for expanded dynamic range, tape monitor; -6 dB input attenuator switch \$160

KENWOOD

GE-1100 Graphic Equalizer

Micro-computerized graphic equalizer with 12-part spectrum analyzer and reverb. Reverb adjustable for delay and depth. Bands centered at 16, 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, 32,000 Hz. Channels separately controlled; 12 bands per channel; boost/cut up to 12 dB; LEDs in sliders; 2 tape inputs; defeat switch; reverse mode. FR 10-50,000 Hz $+0/-1$ dB; S/N 105 dB; THD 0.003% \$415

GE-74(B) 7-Band Graphic Equalizer

Features reverb with full-color display; TV/video input with synthetic stereo sound; 2 mike inputs with mike mixing; tape deck input. FR 20-30,000 Hz ± 3 dB; S/N 94 dB; THD $< 0.03\%$; variable range ± 10 dB; reverting time 0-1.4 sec; relay time 0-55 msec; gain 0 dB. 8.4 lbs; 16 1/2" W x 3 1/8" H x 10 1/8" D \$220

GE-54(B) 10-Band Graphic Equalizer

Features variable range $+10$ dB; variable line output control; input for tape deck; equalizer on/off selector; equalizer record on/off selector; LED indicators for each band. FR 10-50,000 Hz ± 3 dB; S/N 110 dB; THD less than 0.01%; variable range ± 10 dB, gain 0 dB. 5.9 lbs; 16 1/2" W x 3 1/8" H x 10 1/8" D \$200

RA-54(B) Reverberation Amplifier

Features full-color display; depth and delay controls; mike mixer; 6 dB attenuator. FR 10-35,000 Hz ± 0 dB, 0.5 dB; S/N 100 dB; THD $< 0.01\%$; reverberating time 0-2.5 sec. 5.5 lbs; 16 1/8" W x 2 1/8" H x 8 1/2" D \$200

KINETIC AUDIO INT'L

Three-Point Crossover/Level Control

Monophonic passive crossover/level control system that keeps low frequencies from entering miniature monitor, satellite speaker systems. Features crossover level control and mid-high-pass filter. Crossovers 65, 90, 180 Hz; converts 4- to 8-ohm load. Mono version \$99

Four-Point Crossover/Low-Pass Filter

Monophonic passive crossover to be used with subwoofer for filtering out unwanted midrange and high frequencies. Crossover points are 60, 90, 180, and 350 Hz; imp 6-8 ohms. Mono version; 15 lbs; 4" H x 15" W x 10" D \$99

LOFT

410 Compressor, Limiter, Expander & Gate

The final control voltage is the sum of the compressor, expander, and limiter control outputs producing an effect similar to three processors without the sig-

nal degradation of three VCAs. Compressor has attack and release time independently adjustable. Limiter has a threshold adjustable from $+20$ dB to -40 dB and fast attack, fast release time constants. Expander has variable release control with 3 switchable expansion slopes and 3 switchable attenuation limits \$699

400 Quad Gate/Limiter

Four channel, feed-forward limiter and noise gate with four individual limiters with noise gate combined into a single unit. Features side-channel processing; LED meters; power transient suppression circuit; rack-mountable \$602

401/601 Parametric Equalizer

19-inch rack-mountable, four-band parametric EQ. Features 18 dB worth of boost or cut in the low (30-600 Hz); low-mid (100-2,000 Hz); mid (400-8,000 Hz); high (1,000-20,000 Hz) \$508

TS-1 Audio Test Set

Three precision test instruments including low distortion oscillator; frequency counter; dB meter .. \$299

LT SOUND

ACC-2 Amplitude Control Center

Stereo unit has Allison Research VCA with feed-forward circuit design, de-essing with switchable knee, or normal compression. Functions as compressor, limiter, expander, de-esser, on-board oscillator for amplitude-modulated tremolo effects. Each channel has compression ratio, compression attack and release controls; expander threshold expander ratio, attack, release controls; 3-color LED gain-reduction indicators. S/N ratio 90 dB below 1 V; typical distortion 0.001%; compressing/limiting slope variable between 1:1 and infinity; 19" W x 3 1/2" H x 7 1/4" D \$1,250
CLX-2. Similar to ACC-2 except has no tremolo effects capability, expander ratio, expander threshold, attack, release controls. Has key function for keyed expansion or noise gating; 2" H \$1,250

ECC Echo Control Center

Single-channel unit functions as preamp for 2 low-impedance mics and 2 low-level low-imp line level inputs; 3-band equalizer; echo and reverb controls for mic level. EQ, echo. Features bi-FET op amp circuitry, relay on/off transient protection, metal shielding for reverb unit. Delay dynamic range 85 dB below 1 V; distortion 0.5% at 1 kHz, 0.775-V out; delay range 20-240 msec; FR of delay ± 1.5 dB; mic input imp 2000 ohms for 600-ohm or less mic; aux input imp 47k ohms; output imp 200 ohms for 2 kohms loads; EQ range ± 18 dB for bass, midrange, and treble; rack-mountable; 7" D x 2" H \$995
RCC. Reverb control center similar to ECC without echo capability; features Microplate® Reverb; FR 20-20,000 Hz ± 0.5 dB direct, 22-18,000 Hz reverb; dynamic range 80 dB below 1 V; THD, IM distortion 0.05% \$595

RV-2 Stereo Reverb Unit

Reverb unit for line-level inputs only. Features -6 -dB and peak amplitude LEDs; 3 EQ controls; direct, reverb, reverb drive controls; send-receive bus. FR 2-40,000 Hz ± 0.5 dB (direct); reverb 20-5,500 Hz; reverb time 2.5 sec; input imp 47 kohms; output imp 200 ohms for 2-kohm loads; S/N 90 dBm (direct); 19" W x 7" D x 2" H \$895

PEQ-2 Parametric Equalizer

Dual 4-band parametric equalizer. Studio quality EQ has rumble filter, selectable peak-dip or shelving response on upper and lower bands, bypass switch, peak indicator, balanced and unbalanced inputs and outputs. FR coverage 20-20,000 Hz; bandwidth 0.15-2.0 octaves; max level $+22$ dBm; max boost/cut ± 15 dB; input imp 47k ohms; output imp 47 ohms; THD 0.007%; IM distortion 0.002%; 19" W x 7 1/2" D x 3 1/2" H; 8.5 lb \$595
PEQ-1. Same as PEQ-2 but single-channel version and no low-frequency rumble filter; 5 lb \$349

NR-4 Four-Channel Comander

Can switch 4 channels of NR from record to play mode using 2 inputs simultaneously or 2-channel simultaneous record and tape monitor decode; has bypass switches. FR 20-20,000 Hz ± 0.75 dB; THD 0.2% (compressed and expanded); slew rate 13 V/ μ sec; expander noise output -95 dBm; max input level +26 dBm; 12.75" W \times 6.15" D \times 2.5" H \$475

NR-8. Same as NR-4 except provides 8 channels of individually switchable record/play and bypass noise reduction or 4-channel simultaneous record and tape monitor decode \$795

VE-1 Thompson Vocal Eliminator

Removes most or all of solo vocalist from standard stereo records and leaves most of the background instruments and vocals untouched. Works on tapes and records. 19" W \times 7 1/2" D \times 2" H \$395

VE-2. Similar to VE-1 but works on tapes as well as records, CDs, and FM stereo broadcasts \$595

SL-2 Stereo Limiter

Stereo unit functions independently or in a stereo tracking mode. Provides 3 controls for attack and release. Functions are a hard limiter, average limiter, or automatic level control. S/N 90 dB below 1 V; typical distortion 0.01% (not undergoing limiting); 19" W \times 7 1/2" D \times 2" H \$395

ECU-2 Bi-Amp/Tri-amp Crossover

Universal crossover network which is capable of stereo bi-amping or stereo tri-amping. Crossover points are continuously variable and range from 70-11,000 Hz. Slopes are 12 dB per octave Butterworth response. Features additional summed mono output for subwoofer operation; individual phase inversion switches on mid and high-bands; high tolerance capacitors and potentiometers; available with either RCA or 1/4 inch jacks. FR 20-20,000 Hz ± 0.5 dB; THD <0.005%; 19" W \times 1.75" H \times 7.5" D; 6 lbs \$295

NR-2 Noise Reducer/Range Enhancer

Two-channel unit provides 2:1 compander noise reduction system and dynamic range enhancement system; for dual or independent tracking. FR 20-20,000 Hz ± 0.75 dB; S/N 90 dB; distortion 0.2% at 1 kHz; input imp 47k ohms; output imp 200 ohms for 2-kohm loads; 12.75" W \times 6.15" D \times 2.5" H \$275

MARANTZ**EQ 140 Graphic Equalizer**

10-band graphic equalizer with separate controls for each channel. 6 lbs; 16 1/2" W \times 4 1/4" H \times 8 3/4" D \$150

EQ 130 Graphic Equalizer

10-band graphic equalizer with separate controls for each channel. 5.5 lbs; 16 1/2" W \times 2 1/4" H \times 8" D \$120

MARK LEVINSON**LCN-2 Electronic Crossover**

Modular electronic crossover system for frequency division of line-level audio signals; employs 4 separate active filters; 2 high-pass and 2 low-pass; output connectors for each range for connection to power amps; filters provide 18 dB/octave slopes; optional slopes for 6 dB or 12 dB for 3-way stereo operation; 6 dB/octave slope OCS modules may be added; output level of each FR controlled by a 10-turn locking potentiometer on the front panel. THD 0.002%; wideband noise -102 dBV unwt'd; accuracy within 5% of specified crossover point; PLS-151 separate power supply load regulation 0.05%; wideband noise output of 18 μ V; features on/off switch for each high- and low-pass filter, internal stereo/mono switch and Camac connectors; hand-brushed and black anodized finish. LNC-2; 2 1/4" H, 19" W, 7 1/2" D; PLS-151; 4 1/2" H, 4" W, 10 1/2" D; 12 lbs \$2,700

MITSUBISHI**DA-G156 Graphic Equalizer**

Ten-band/channel graphic equalizer with ± 10 dB ad-

justment and -20 dB attenuation. FR 10-50,000 Hz ± 3 dB; S/N 110 dB; 16 1/2" W \times 3 1/2" H \times 10" D; 5.11 lbs \$100

M & K**LP-1S Passive Electronic High-Pass Filter**

Line-level electronic high-pass filter for biamping with M&K subwoofers. Available in 8 1/4" front panel or 19" rack mount. 100 Hz crossover point at 18 dB per octave. With bypass switch \$245
Without bypass switch \$225

V Filter

Plug-in high-pass filter for biamping with M&K subwoofers. 100 Hz crossover point at 6 dB per octave. 3 versions to match amp input imp. ... \$50/pr

NIKKO**CO-23 Electronic Crossover**

Enables bi-amp operation. Features 20-point crossover frequency; 12 dB/18 dB slope selector; protect circuit with circuit breaker. FR 10-100,000 Hz ± 3 dB; 482 mm W \times 63.5 mm H \times 331 mm D; 12.1 lbs \$750

EQ-25 Graphic Equalizer

12-band/ch graphic equalizer with function display that shows mode selection. FR 20-20,000 Hz ± 3 dB; S/N 110 dB; THD 0.0014%; IMD 0.004%; 482 mm W \times 92 mm H \times 23 mm D; 12.1 lbs \$300

EQ-500 Equalizer

6-band/ch equalizer with tape monitor switch. FR 5-20,000 Hz ± 3 dB; S/N 100 dB; THD 0.01%; IMD 0.01%; 440 mm W \times 96 mm H \times 329 mm D \$170

ONKYO**EQ-35 Integra Equalizer**

12-band graphic equalizer with signal generator. Features individual controls for each channel; LED slide markers; frequency centers 16, 32, 64, 125, 500, 1,000, 2,000, 4,000, 8,000, 16,000, 32,000 Hz; signal generator for all center frequencies except 16 and 32,000 Hz; step or sweep generator mode; level control, ± 12 dB or ± 6 dB adjustment range switch; operation mode display; Delta power supply; S/N 100 dB, THD 0.01% \$270

EQ-25 10-Band Graphic Equalizer

10-band-per-channel graphic equalizer with 10-band spectrum analyzer. Features pre- and post-record/play EQ; tape monitor; attenuator control; EQ bypass; full size cabinet for stacking components. FR 10-35,000 Hz ± 3 dB; S/N 100 dB; THD 0.01%; IMD 0.01%; max gain 5 V; range ± 12 dB. 17 1/2" W \times 2 1/4" H \times 10 1/2" D; black only \$195

EQ-15 7-Band Graphic Equalizer

7-band-per-channel graphic equalizer with discrete frequency amplifiers. Features tape source switch; defeat switch; LED sliders. Center frequencies at 63, 160, 400, 1,000, 2,500, 63,000 and 16,000 Hz. FR 10-35,000 Hz ± 3 dB; S/N 100 dB; THD 0.01%; IMD 0.01%; max input 5 V; range ± 12 dB; 17 1/2" W \times 3 1/2" H \times 10 1/2" D; 7 lbs; black only \$120

OWL AUDIO**Multifilter**

Active parametric filters designed to aid in removing unwanted frequencies or noise from program material. Gain 0 dB, -20 dB; FR 20-20,000 Hz ± 0.25 dB; <0.1% THD; hum & noise 85 dB below 10 VU; input imp 10 kohms; output imp 1 kohms; low end cut 14 dB/octave at 20, 40, 70, 110 Hz; high freq cut variable 4,500-12,000 Hz 40 dB/octave slope; 4" H \times 11.5" W \times 5" D; 3 lbs \$195

PANASONIC**SH-251 7-Band Graphic Equalizer**

7-band-per-channel graphic equalizer. Features EQ on/off switch; tape record/playback with EQ; tape

monitor (source/tape) switch; rec mode (straight/EQ) switch; noise noise amps; calibrated decibel scale. FR 5-100,000 Hz ± 1 dB; S/N 110 dB; THD 0.005%; 15 1/2" W \times 3 1/2" H \times 7 1/2" D; 5.1 lbs ... \$425

PARASOUND**PVA-1 Audio/Video Equalizer**

Audio/video EQ with 25 W surround sound amp and 3-band surround EQ. Features video switching; linear push-type controls; electronic input switching; color and sharpness correct; video fader; 10-band, 3-color spectrum display; 2-way tape dubbing; RF input; 3 video inputs; front panel jacks for VCR-2; wireless remote control. FR 10-100,000 Hz ± 3 dB; S/N 100 dB; THD 0.01%; IMD 0.01%. Surround sound amp: THD 0.1%, 40-8,500 Hz. 17 1/2" W \times 4 1/4" H \times 8 1/2" D \$450

EQS-1 Equalizer/Spectrum Analyzer

10-band/ch graphic EQ with fluorescent real-time spectrum analyzer and built-in pink noise generator. Features 22 multiple-detented and illuminated 30 mm stroke sliders; illuminated switches; subsonic filter; bi-directional tape dubbing; record EQ switch for dubbing; switchable line input; display peak hold; electret mike. Boost/cut 12 dB; center frequencies at 30, 60, 120, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; FR 10-120,000 Hz ± 0.5 dB; S/N 100 dB; THD <0.01%; IMD 0.01%. 17 1/2" W \times 4" H \times 9 1/2" D; 10 lbs \$350

EQ300 Graphic Equalizer/Analyzer

12-band graphic equalizer with real-time spectrum analyzer. Boost/cut 12 dB control range, with center frequencies at 16 (cut only), 30, 60, 90, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz. Features multiple-detented 45-mm slider controls ganged by frequency; illuminated two-color LED tape-monitor switch; EQ record switch for tape dubbing; bypass switch; detented level control; 16 Hz variable rumble filters; 90 Hz room-boundary control; AC outlet. FR 5-300,000 Hz ± 0.5 dB; S/N 100 dB; THD 0.01%; 9 lbs; 17 1/2" W \times 4 1/4" H \times 8 1/2" D ... \$270

EQ250 Linear Octave Equalizer

Features 10 bands/ch; linear push-button controls in 2 dB increments; LED metering; gain control; illuminated EQ record, bypass, and tape-monitor switches; peak power meter; 2-way tape dubbing; AC outlet; 2 line inputs. Boost/cut 12 dB in 2 dB increments; center frequencies at 30, 60, 90, 120, 240, 500, 1k, 2k, 4k, 8k, 16k Hz. FR 10-100,000 Hz ± 0.5 dB; S/N 0.5 dB; THD 0.01%. 17 1/2" W \times 2 1/4" H \times 8 1/2" D; 10 lbs \$240

EQ250 Linear Octave Equalizer

10-band linear equalizer with push-type controls. Features controls calibrated for 2-dB increments, LEDs to show boost/cut; tape record EQ switch; bypass; tape monitor; illuminated switches; unity gain control; tape dubbing; AC outlet; LED peak meters for each channel. Control frequencies 30, 60, 120, 240, 500, 1k, 2k, 4k, 8k, 16k Hz; control range ± 12 dB. FR 10-100,000 Hz ± 3 dB; S/N 100 dB; THD 0.01%; IMD 0.01%. 8 1/2 lbs; 17 1/2" W \times 3 1/2" H \times 9" D \$239

EQ200 10-Band Graphic Equalizer

Stereo graphic equalizer with 10 bands for each channel. Boost/cut 12 dB control range, with center frequencies at 30, 60, 90, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz. Features multiple-detented 30-mm slider controls; gain control; EQ record switch; bypass switch; tape-monitor switch; LEDs for all switches; AC outlet; two line inputs. FR 10-100,000 Hz ± 0.5 dB; S/N 0.5 dB; total harmonic distortion 0.01%; 7 lbs; 17 1/2" W \times 2 1/4" H \times 8 1/2" D \$170

TBC-1 Time Base Corrector

Corrects frequency response group delay errors caused by high frequency phase-shifts introduced by D-A filters, time error between L-R/ch for CD players with single converters; time errors for analog situations. FR 0-50,000 Hz ± 0.1 dB; THD <0.0005%; S/N >115 dB. 17 1/2" W \times 2 1/2" H \times 8 1/2" D; 6 lbs \$150

PHOENIX SYSTEMS

P-250-DL Ambience/Surround Sound Decoder

Designed to extract ambience from stereo recordings and surround sound from encoded movies. Features center-channel, left, right, and surround for true 4-channel reproduction. In mono mode, stereo synthesizer section improves sound of lo-fi mono sources. Delay time adjustable 5-50 msec; other controls include center volume, rear volume, master volume. Assembled and tested \$249
Kit \$179

P-94-SRA Parametric Equalizer

Equalizer features fully parametric Q, gain, and center frequencies; octave control varies Q or range of signals being adjusted. FR 3-100,000 Hz +0, -3 dB; max output level 8 V; THD <0.01%; IMD <0.01%; noise 96 dB A-wtd; max boost/cut ± 16 dB at 0.16 octave; ± 6 dB at 2 octaves; 4.5 lbs. \$179
P-94-SR. Kit \$129

P-522-NRA Tape Noise Reduction System

System uses Signetics NE572N integrated circuit to compress signal during recording, expand it during playback. FR 20-20,000 Hz +0, -3 dB; max input/output level 8 V; tracking error 0.25 dB; output slew rate 13 V/ μ sec; THD <0.5%; output noise -96 dB LHF A-wtd. \$129
P-522-NR. Kit \$79

PIONEER ELECTRONICS

SG-90 Graphic Equalizer

Stereo 17-band graphic equalizer. Features inverse EQ, auto-fader, tape monitor, tape/source equalizer selector, center frequencies 16, 25, 40, 63, 100, 160, 250, 400, 630, 1k, 1.6k, 2.5k, 4.0k, 6.3k, 16k, 25k Hz. Switchable boost/cut range ± 6 dB or ± 12 dB. S/N 114 dB (auto-fader off, equalizer flat); $16\frac{1}{2}''$ W \times $14\frac{1}{2}''$ D \times $5\frac{1}{2}''$ H; 10 lbs. 8 oz \$390
SG-90 (BK). Black. \$390

SG-50M Spectrum Analyzer/Equalizer

Features 10-band equalizer, slide controls with LED indicators; built-in pink noise generator; fluorescent display; measuring mike included. FR 5-100,000 Hz ± 3 dB; S/N 110 dB; THD 0.003%; center frequencies 32, 64, 125, 250, 500, 1,000, 4,000, 8,000, 16,000 Hz ± 10 dB \$260
SG-50M (BK). Black \$260

SG-60 Stereo Graphic Equalizer

Equalizer range ± 12 dB. Frequencies: 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, 32,000 Hz; LED indicators; input level control; equalizer recording; 2 tape monitor connections. FR 10-100,000 Hz ± 2 dB; S/N 120 dB; THD 0.003%; gain 0 dB (controls flat) \$250
SG-60 (BK). Black \$250

EX-9000 (BK) Dynamic Processor

Features dynamic-range expansion with noise-reduction effect; fluorescent level indicator; input level control; tape-monitor switch. Center frequencies 50, 500, 5,000 Hz; attack time switchable from 4.7 to 6.8 msec. S/N 96 dB; 7.15 lbs \$200

RG-9 Dynamic Expander

Dynamic expander with fluoroscan meter displays. Features input level control. Dynamic expansion 4, 7, 10, 13, 16 dB; attack/release time 0.3/120 msec; THD 0.05% at 1,000 Hz, 16 dB; S/N 100 dB \$200

SR-60 Stereo Reverberation Amplifier

Solid state BBD circuit; reverb, echo, duet effects; visual display; tape monitor circuit. FR 10-70,000 Hz ± 1 dB; S/N 104 dB; THD 0.005% \$170
SR-60 (BK). Black \$170

GR-560 7-Band Graphic Equalizer

Graphic equalizer with 7 bands/ch. Center frequencies 60, 150, 400 Hz. 1, 2.4, 6, 15 kHz; max cut or boost 10 dB. Slide controls have LED indicators. THD 0.005%; 8.8 lbs \$100

PIONEER VIDEO

SP-101 Synthesized Surround Processor

Designed to recreate sound as it naturally occurs in 4 different sound modes: stadium, theater, studio and simulated stereo. 0.003% distortion at 1,000 Hz; max output voltage 1,000 Hz, 0.03%, R, L, 50,000 ohms 7 V; THD 0.5% (1,000 Hz; output 1 V) \$299

RCA

MGE-160 Dimensia 10-Band Equalizer

10-band-per-channel equalizer with tape monitor, lighted channel band slide controls, and defeat control. FR 20-20,000 Hz ± 1 dB; S/N 96 dB; THD 0.007%; center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; right left independent ± 10 dB; 6 lbs \$170

REALISTIC

12-Band Graphic Equalizer

12-band-per-ch EQ with IMX[™] stereo expander. Features 12 dB boost/cut; built-in tape control center for dubbing; monitoring/recording of EQ sound; R/L channel output level controls; expander vol control; lighted graphic display. Band centers at 36, 63, 110, 190, 330, 580, 1,000; 1,700, 3,000, 5,200, 9,000, 16,000 Hz; FR (flat setting) 5-50,000 Hz +0.5 dB, -1 dB; range ± 12 dB; THD 0.02%; hum & noise -90dB \$120

10-Band Graphic Equalizer

10-band-per-ch EQ with EQ bypass buttons, L/R-ch linear-sliding boost/cut tone controls, and power-on LED. Band centers at 31.62, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; FR (flat setting) 5-50,000 Hz +0.5 dB, -1 dB; range ± 12 dB; THD 0.02%; hum & noise -90 dB \$80

7-Band Graphic Equalizer

7-band-per-ch EQ with EQ bypass button, slide-action controls, and power-on LED. Band centers at 50, 150, 400, 1,000, 2,400, 6,000, 15,000 Hz; FR (flat setting) 5-50,000 Hz + 0.5, -1 dB; range ± 12 dB \$60

SAE

E-101 Parametric Equalizer

Computer direct-line parametric equalizer with digital display, 2-bands with 10 memories/band, "pre" tape EQ feature. Bandwidth adjustable from 0.3-3.0 octaves; boost/cut range ± 16 dB; rated output 2.5 V RMS; THD 0.02%; S/N 100 dB \$650

E102 Parametric Stereo Equalizer

Computer direct-line equalizer. Features digital display of frequency and level; LED bandwidth indicators; tape/line monitor; EQ bypass; level range ± 12 dB; dot/bar graph spectrum analyzer display. FR 20-20,000 Hz ± 3 dB; S/N 95 dB; THD 0.02%; IMD 0.02%. 20 lbs; 19" W \times 3 $\frac{1}{2}''$ H \times 12 $\frac{1}{2}''$ D .. \$399

E010 3-Band Parametric Equalizer

3-band stereo equalizer. Features adjustable center frequencies, level, and bandwidths. Continuously variable output level; line/tape monitor; LED peak indicators; walnut grain slide panels; level range ± 16 dB; bandwidth range 0.3 to 3.0 octaves. FR 20-20,000 Hz ± 3 dB; S/N 90 dB; THD 0.03%; IMD 0.03%. 13 lbs; 18" W \times 4" H \times 14" D \$299

5000A Impulse Noise Reduction System

Features tape input; invert function (allows only noise being removed to be heard); adjustable sens control; defeat control. Rack mount panel available. FR 20-20,000 Hz ± 1 dB; S/N 90 dB; THD 0.1%; insertion loss less than 1 dB; 8 lbs \$199

SANSUI

SE-9 Graphic Equalizer

Microprocessor-controlled stereo graphic equalizer with unique motorized fader-setting system, 4-curve

memory storage, spectrum-analyzer display, pink-noise generator, external electret condenser mike. All 16 (8 bands, 2 channels) frequency controls are dual slide potentiometers, one section boosting/cutting band by ± 12 dB, the other producing varying DC voltage for physically positioning sliders. Auto adjustment minimizes fader-to-fader interaction. Auto setup procedure takes 30 sec. L/R frequency spectrum shown on gas display calibrated in 3-dB increments over 24-dB range. Under/over LEDs warn of out-of-range conditions. Features 2-way dubbing, 2-deck monitoring. Center frequencies 80, 160, 315, 630, 1,25k, 5k, 10k Hz; in/out level 1 V with flat control settings; THD 0.008%; FR 10-100,000 Hz +0/-1 dB; S/N 105 dB; input/output imp 30k/600 ohms.
SE-9S. With silver front panel \$699
SE-9B. With black front panel, rack-mounting hardware \$699

SE-88 Graphic Equalizer

Computer controlled 14-band graphic equalizer. Features front docking, full featured remote; 5 memories; bi-directional tape dubbing with or w/o EQ; instant flat response; memory backup. EQ center frequencies 25, 50, 100, 160, 250, 400, 630, 1k, 1.6k, 2.5k, 4k, 6.3k, 20k Hz; boost/cut range ± 10 dB; S/N 100 dB; FR 10-100,000 Hz; 9 lbs \$399

AV-77 Audio/Video Processor

Combines functions of video processor, audio processor and audio-video switcher in one unit. Video controls include detail; sharpness; picture; Art 1, 2 and 3 controls and special effects change color and intensity; wipe (horizontal and vertical) and fader. Features connections for 2 VCRs, video disc, video camera and audio amp. Permits bi-directional audio and video duplication, mike mixing and voice-over or dubbing. Multi-dimensional controls for expanded stereo or stereo simulation. Includes dbx NR, Built-in RF converter. Video FR 6.5 Hz to 10 MHz ± 2 dB; video S/N 62 dB; max audio output level 1.0 V; IHD 0.05%; dbx NR effect improved by 30 dB; 8.2 lbs \$350

SE-77 Graphic Equalizer

12-band stereo graphic equalizer in slim-line styling. Features separate tape-dubbing facilities for two decks; controls for left and right channels, each with LED; equalizer recording and bypass switches. Center frequencies 16, 32, 64, 125, 250, and 500 Hz, and 1, 2, 4, 8, 16 and 32 kHz; boost/cut in 6-dB or 12-dB increments; FR 10-100,000 Hz, S/N 110 dB; THD 0.005%. In black or silver \$279

RA-990 Electronic BBD Reverb Amplifier

Features 2 cassette inputs; dubbing facilities; twin mike mixing facilities with separate volume controls for duet effect; color graphic display of reverb effect. Reverb time: echo 0-3 sec, duet 30-100 m/sec. THD 0.025% ohms \$240

RG-700 Graphic Equalizer

Stereo graphic equalizer combines 7-band line output equalizer with 2 separate 5-band equalizers; Bucket Bridge echo amplifier and display. Ideal for mixing live performances with prerecorded material. FR 20-20,000 Hz; THD 0.05%. In black or silver ... \$210

SE-500 10-Band Graphic Equalizer

Features bi-directional tape dubbing with or w/o EQ. Center frequencies at 30, 60, 125, 250, 500 Hz, 1, 2, 4, 8, 16 kHz. FR 30-15,000 Hz ± 3 dB; S/N 75 dB; THD 0.01%; 5.1 lbs \$120
SE-300. Similar to SE-500 except 7-bands/ch. . \$90

SOUND CONCEPTS

SD550 Ambience Restoration System

Stereo audio delay system; continuous delay variation 5-100 msec; continuous reverb variation 0-100%; high-frequency rolloff from -3 to +6 dB; front mix level 0-100%, rear level 0-100%; 50- or 100-msec delay range; rear output delay or quad direct; front output direct or delay mix; input front or quad rear; input imp 60k ohms min; output imp 300 ohms max; FR 20-10,000 Hz +1, -3 dB with 5 msec delay, zero dB high-frequency rolloff; dynamic range 90 dB

min, S/N 85 dB min, 90 dB wtd; 1% max distortion at 1,000 Hz, 1 V RMS, consisting almost entirely of 2nd harmonic; 15½" W × 9" D × 3½" H .. \$789

IR2100 Image Restoration System

Expands stereo image beyond confines of space between speakers to reproduce sonic image presented to recording microphones; speaker/listener angle continuously adjustable 20°-100°; continuous adjustment of perimeter to central sound level balance; master volume control; connects in tape loop or between preamp and power amp; S/N 80 dB; distortion 0.1% max; hand-held with 15-ft remote cable; 6" H × 3" W × 1.5" D .. \$289

IR2200. Nonremote version of IR2100 with perimeter to central sound level brilliance control; connects in tape loop; has provisions for tape recorder, capability to record expanded image. S/N 80 dB; distortion 0.1% max; 7" W × 4" D × 2" H.

Factory assembled .. \$169
Kit (KIR-1) .. \$95

VSP-1 Stereo Synthesizer

Provides interface to stereo system, creates spacious, realistic pseudostereo from mono sources; 10-band harmonically related frequency divisions. S/N 80 dB; distortion 0.2% max; 7" W × 4" D × 2" H.

Factory wired .. \$159
Kit (KVSP-1) .. \$90

SX-80 Peak Expander/CX Decoder

Adds 20 dB of dynamic range to CX-encoded records and videodiscs, 6-9 dB of upward expansion to nonencoded sources; connects into tape loop, provides recorder connections. Features tri-color LED for 0 VU calibration with standard record supplied. S/N 80 dB; distortion 0.1% max; 7" W × 4" D × 2" H.

Factory assembled .. \$119
Kit (KSX-1) .. \$76

SHERWOOD

EQ-200 Graphic Equalizer

24-band graphic equalizer with 24 LED indicators. Center frequencies 16, 32, 64, 125, 250, 500, 1k, 2k, 4k, 8k, 16k, 32k Hz; boost/cut 12 dB; THD 0.01% from 20-20,000 Hz at 1 V; S/N 95 dB ref 1 V output; FR 5-100,000 Hz at -3 dB .. \$180

SONY

SEQ-11 Graphic Equalizer

11-band stereo graphic equalizer with connections for 2 tape decks and tape-to-tape possibility. Features LED indication for EQ in and line out; left and right octave adjustment; center frequencies 32, 63, 125, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; adjustment range switchable ±6, 12 dB; S/N 90 dB; THD 0.006%; FR 10-10,000 Hz .. \$310

SOUNDCRAFTSMEN

AE2000 Real Time Analyzer/Equalizer

Stereo 10-band graphic equalizer with Differential/Comparator® Analyzer/Equalizer, pink-noise generator. Features 100-LED (10-octave) real-time display with adjustable decay rate; mike preamp; input for analysis of 3-head tape deck, other signal processor; Auto-scan mode; brushed-aluminum front panel; hardwood side panels. Center frequencies 32, 64, 125, 250, 500, 1k, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range ±15 dB; display accuracy 0.1 dB; Auto-Scan sweep rate 0.1-10 secs/octave; THD and IMD <0.01% at 2 V; S/N ratio 114 dB at max output; mike preamp input imp 2,000 ohms; FR 20-20,000 Hz ±0.1 dB .. \$699

DC 4415 Third-Octave Equalizer

Third-octave stereo equalizer with 21 controls/channel. Center frequencies 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1,000, 1,600, 2,500, 4,000, 6,300, 10,000, 16,000 Hz. Features EQ defeat; infrasonic filter; tape monitor and tape record; Differential/Comparator® circuitry for unity gain setting to within 0.1 dB accuracy for highest dynamic range capability. THD and

IMD 0.01% at 2 V; S/N 114 dB at 10 V output; input imp 47,000 ohms. Front panel rack mount, brushed aluminum with charcoal finish .. \$599

DC 2215 Differential/Comparator® Equalizer

Stereo 10-band equalizer with Differential/Comparator® true-unity-gain circuitry for input to output balancing accuracy to within 0.1 dB. Equalizer filter circuits use precision wire-wound passive-coil inductors for high gain, low noise and distortion. Front panel controls include tape monitor, LED defeat/EQ defeat and EQ tape record. THD and IMD <0.01% at 2 V; S/N ratio 114 dB at 10 V; boost/cut range ±15 dB. Includes frequency spectrum analyzer test record, computone charts, cables. Front panel is rack mount, brushed aluminum with charcoal .. \$399

DC 2214. Same as DC 2215 except equalizer filter circuits have op-amp synthesized inductors. THD and IMD <0.01% at 2 V; S/N ratio 106 dB at 10 V; boost/cut range ±12 dB .. \$299

SE550 10-Octave Equalizer

Stereo graphic equalizer with 18-dB spectrum level controls for each channel, 15-dB boost or cut for each channel, ISO center frequencies. Test record, computone charts, cables included. Front panel is charcoal-finish brushed aluminum .. \$189

TEAC

GE-20 Graphic Equalizer

Stereo 10-band graphic equalizer with high- and low-pass filters. Features input-level control; LED input overload indicator; output-level meter with output-level control; operational amplifier-synthesized inductors. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; boost/cut range ±10 dB; 12 frequency response 20-30,000 Hz ±0.5 dB; THD 0.03%; S/N ratio 85 dB; input sensitivity/impedance 0.3 V, unbalanced/100k ohms; maximum output level +18 dB at 8V .. \$350

EQA-10 Graphic Equalizer

Ten-band frequency spectrum display; ten-band graphic equalizer with source/tape inputs; EQ in/out switch; pre/post switch; line 1/line 2 input selector switch; available in black finish (EQA-10BL) silver finish (EQA-10S) .. \$150

TECHNICS

SH-8044 Spectrum Analyzer

14-band (7 × 2) frequency analyzer and spectrum analyzer. Features EQ on/off switch; switchable for source; tape EQ without changing connections. FR 5-100,000 Hz ±1 dB; S/N 110 dB; THD 0.005%; ±12 dB range. Center frequencies 63, 160, 400, 1k, 2.5k, 6.3k, 16k Hz .. \$250

SH-8040 Space Dimension Controller

Provides surround sound from 2 speaker systems. Features dimension/signal-level display; source/tape monitor switch; echo position switch; dimension echo, ambience controls; mike level control; FR 20-150,000 Hz +0/-3 dB line in and playback. 30-30,000 Hz mike; THD 0.05% line and playback, 0.06% mike; S/N 101 dB line in and playback, 62 dB mike; input sens/imp 0.5 V/22 kohms line in and playback, 1.6 mV/10 kohms mike; output level 0.5V line in and rec out; max input 4.5 V line in and playback, 150 mV mike; max output 4.5 V; gain 0 dB; echo time 64 msec; sound image localization 30° backward; power consumption 11 W; 7.1 lbs. \$200

Recording Processors

SH-8065 Graphic Equalizer

Stereo 33-band graphic equalizer with variable range indicators and selector. Features tape-monitor switch; parallel left, right slide controls. Center frequencies 16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20k, 25k Hz; boost/cut range ±3/±12 dB; FR 5-100,000 Hz -1 dB; THD 0.0025%, 20-20,000 Hz; S/N 110 dB; input/output imp 47k/600 ohms;

input sens/max output 1/8 V; gain 0-dB; line-level switch 150 mV/1 V; power consumption 28 W; 16½" W × 13" D × 6½" H; 13.2 lb. \$500

SH-8066 Stereo Graphic Equalizer

Direct-touch stereo 12-band graphic equalizer. Features 8 preset curve memory; EQ Plus function; auto EQ which automatically compensates for system characteristics and room acoustics. FR 10-50,000 Hz ±1 dB; S/N 107 dB; THD 0.003%; mike input sens -72 dB .. \$450

SH-8055 Graphic Equalizer

Stereo 12-band equalizer with real-time spectrum analyzer and FL level indicator. Pink-noise generator built in for use with optional mike. Features L/R channel/peak mode FL display selector; 2 tape monitors; FL volume level display; equalized playback/recording selector; slide pots with LED indicators. Center frequencies 25, 40, 63, 100, 160, 250, 500, 1k, 2k, 4k, 8k, 16k Hz .. \$340

SH-8045 Graphic Equalizer

Stereo 12-band graphic equalizer with variable range display; EQ position switch; tape monitor. Center frequencies 16, 32, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k, 32k Hz; boost/cut range ±12/±3 dB; FR 5-100,000 Hz -3 dB; S/N 100 dB; THD 0.01%, 20-20,000 Hz; input sens/imp 0.5 V/47k ohms; max input/output 6/6 V; gain 0 dB; power consumption 12 W; 16½" W × 9½" D × 6½" H .. \$200

SH-8025 Graphic Equalizer

Stereo 7-band equalizer with center frequencies at 63, 160, 400, 1k, 2.5k, 6.3k, 16k Hz. Features boost/cut 12 dB; low-noise amps; calibrated decibel scale; tape monitor. FR 5-100,000 Hz -1 dB; THD 0.005% from 20-20,000 Hz; S/N 110 dB; input sens/imp 1 V/47 kohms; max input/output 8/8 V; rated output 1 V; power consumption 8 W .. \$150

THRESHOLD

PCX one Electronic Crossover

Phase coherent, digital, 2-way electronic crossover with separate power supply. Features dual mono 2-way electronic crossover; front panel control for phase coherent or conventional characteristics; 6, 12, 18, or 24 dB slopes on high pass filter in conv. mode. Low pass filter digitally derived (at 100 × freq of crossover point) and fixed at 24 dB/octave. Crossover point continuously adjustable between 75 and 15,000 Hz for low and high pass separately \$1,290

VECTOR RESEARCH

VQ-130 Equalizer

10-band/ch equalizer with built-in spectrum analyzer. Features pink-noise generator, calibrating mike, display sens control. FR 20-20,000 Hz ±1 dB; S/N 110 dB; THD 0.009%; 10 lbs .. \$300

VQ-110 Equalizer

10-band/ch graphic equalizer. Features EQ in/out switches, record EQ switch, tape monitor switch. FR 20-20,000 Hz ±1 dB; S/N 110 dB; band control ±12 dB; 9 lbs. 17" W × 3½" H × 11" D .. \$130

YAMAHA

GE-60 Graphic Equalizer

Equalizer with 10 bands of EQ per channel; LEDs in sliders; variable subsonic filter; master L/R attenuation; spectrum analyzer with pink noise generator; microphone; rumble filter. FR 10-100,000 Hz ±3 dB; center frequencies at 30, 60, 120, 240, 480, 1k, 2k, 4k, 8k, 16k Hz; S/N 110 dB; THD 0.005%; IMD 0.005%; ±15 dB boost/attenuation; constant Q = 2.5. 10 lbs; 17½" W × 4¾" H × 10¾" D .. \$370

GE-40. Similar to GE-60 except without RTA, pink noise generator, mike, rumble filter .. \$210

GE-3 Graphic Equalizer

Stereo 10-band graphic equalizer with 0-20 dB master level attenuator. FR 20-20,000 Hz ±1 dB; S/N 90 dB; THD 0.004%; 7 lbs .. \$150

13 digital audio

ADCOM

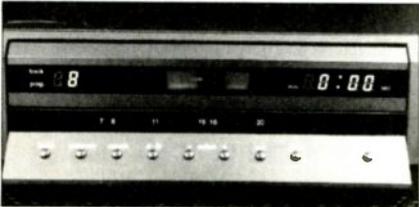
GCD-300 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; skip forward; skip back; repeat phrase, remote control; displays current track number, elapsed time of current track, elapsed time of disc, program stored in memory. Cues by track number. Max line output 2.5 V; THD at 1,000 Hz 0.004%; sep 80 dB; FR 5-20,000 Hz ± 0.5 dB \$500
GCD-200. As above without remote control ... \$400

ADS

Atelier CD3 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 30 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; full-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track,



elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; headphone output 2 V; THD at 20-20,000 Hz < 0.01% at -0 dB; S/N > 102 dB; sep > 86 dB; FR 20-20,000 Hz ± 0.25 dB; 20 lbs; 17.5" W \times 2.75" H \times 14.8" D \$895
RC1. Hand-held infrared remote control unit which can be used with CD3 and future Atelier components \$99

AIWA

PCM-800 Digital Audio Processor

Compact single-chip LSI analog-digital/digital-analog converter for recording and playback with any VCR. Features front-panel PCM-VCR selector switch; wide-scale recording level indicator (-60 dB to 0 dB);



tracking adjustment; rec mute switch; line/mike selector switch; line output level control; headphone output level control; mike jacks; rec emphasis switch; AC 110/220 V; 50/60 Hz. FR 20-20,000 Hz ± 3 dB; S/N 86 dB; THD 0.007% \$650

DX-1200 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 18 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; headphone jack with adjustable level. Displays current track number, elapsed time of current track, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; S/N 96 dB; sep 95 dB; FR 2-20,000 Hz ± 0.3 - 0.5 dB \$450

AKAI

CD-A7T Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 16 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 27-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.005%; S/N 90 dB; sep 85 dB; FR 5-20,000 Hz ± 0.5 dB; 12.8 lbs; 17.3" W \times 3" H \times 10" D \$499

CD-M88T Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 16 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 27-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.005%; S/N 90 dB; sep 85 dB; FR 5-20,000 Hz ± 0.5 dB; 14.3 lbs; 13.8" W \times 2.8" H \times 10" D \$499

AUDIO-TECHNICA

AT-CD10 Compact Disc Player

Features 3-beam laser tracking; programming of 9 tracks in random order; double resolution digital filtering; programmable random access playback; multi-function indicator with digital readout on panel; sample and hold circuit; low-angle analog filter; phase



shift. FR 5-20,000 Hz ± 0.5 dB, -1 dB; THD < 0.005% at 1,000 Hz; ch sep > 90 dB at 1,000 Hz; dynamic range > 96 dB; S/N IEC flat 98 dB, IEC A-wtd 100 dB; headphone output 0.16 V at -20 dB; headphone imp 8 ohms at -20 dB. 3 $\frac{1}{4}$ " W \times 13 $\frac{3}{8}$ " H \times 11 $\frac{1}{8}$ " D \$400

BANG & OLUFSEN

CD50 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz) programming of 34 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; full-function remote control. Displays current track number, elapsed time of current track, elapsed time of disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; S/N 95 dB; sep 94 dB; FR 4-20,000 Hz ± 0.3 dB; 17.8 lbs; 16 $\frac{1}{2}$ " W \times 3" H \times 12 $\frac{1}{4}$ " D \$999

CDX Compact Disc Player

Top-loading CD player. Features one-beam laser; digital filtering (resampling frequency kHz 176.4 kHz) programming of 40 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program. Displays current track

number, elapsed time of current track, elapsed time of disc, program stored in memory. Cues by track number, time. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; S/N 96 dB; sep 94 dB; FR 3-20,000 Hz ± 0.3 dB; 13.4 lbs; 16 $\frac{1}{2}$ " W \times 3" H \times 12 $\frac{1}{4}$ " D \$699

CAMBRIDGE AUDIO

CD1 Compact Disc Player

Features 2 chassis (1 for decoders and other for playing mechanism); 3 separate power supplies; 3 separate 16-bit decoders/ch; 19-bit-resolution yield; 6 analog filters; D/A converters; isolated CD tray; solid-wood end panels. 17 $\frac{1}{2}$ " W \times 5" H \times 11" D; 20 lbs \$1,985

CARVER

Digital Time Lens Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 9 tracks in random order; display of current track number, elapsed time of current track, elapsed time of disc, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; cue by track number, index number. Max line output 1.9 V; THD at 1,000 Hz 0.05%; signal-to-noise ratio 96 dB; separation 86 dB; frequency response 5-20,000 Hz ± 0 dB; 13 lbs; 19" W \times 3 $\frac{1}{4}$ " H \times 11 $\frac{1}{4}$ " D . \$650

COMPUSONICS

DSP-1000 Digital Disk Recorder/Player

Digital recording and playback deck for home use. Utilizes ultra-high-density floppy disks; 32-bit microprocessors to convert analog signals to CompuSonics format. Allows digital recording from remote databases. Single chassis contains multi-processor computer; superfloppy disk drive; power supply; front-panel LED display and VU meters; stereo inputs for lines and mikes; stereo line outputs and headphones outputs. FR 20-20,000 Hz ± 0.5 dB; dynamic range 91 dB; S/N 91 dB; ch sep 91 dB; D/A conversion 16 bit linear; total harmonic distortion < 0.007% at 1,000 Hz; wow & flutter below measurable limits \$1,495

dbx

700 Digital Audio Processor

Professional stereo (2-channel) digital-audio processor using proprietary new digital technology. Companded Predictive Delta Modulation (CPDM). Dynamic range 110 dB; max RMS signal at 1 kHz to A-wtd noise 20-20,000 Hz; 20-20,000 Hz ± 0.5 dB; THD < 0.05%; < 0.01% unweighted. < 0.006% WRMS.

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. For manufacturers' addresses, see the directory on page 26.

LISTEN UP

If digital audio has raised your expectations, it's time to put Dahlquist DQM loudspeakers at the top of your list.

DQM's are high performance monitors – that means that they remain clear, confident, and in control across the full range of digital dynamics. The natural energy of music stands revealed and with it a whole new excitement and satisfaction. That's why DQM's may well be the most significant upgrade you can make.

So, if your system isn't up to digital, listen up to Dahlquist.

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CIRCLE NO. 32 ON READER SERVICE CARD

Neutral noise floor; gentle anti-aliasing filters (-3 dB at 37,000 Hz, yielding minimal phase shifts in audio band); sampling rate 644,000 Hz, bit rate 644 k-bits/sec; less sensitive to bit errors than PCM systems; full correction of dropout errors; graceful overload behavior. Converts to NTSC video signal (designed for use with VCRs). Switchable metering; headphone jack; optional mike preamp (model 710) adds <1 dB of noise for all mike imp from 100 to 1 kohm. Pro levels and XLR connectors. 5 1/4" H x 19" W x 11 1/2" D \$4,600

DX 3 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 9 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program. Displays current track number, elapsed time of current track. Cues by track number, index number. Equipped with 3 dbx signal-processing circuits: DAIR, a 2-band design for adding impact to musical transients, compression control for background listening (has fixed threshold with variable



gain below threshold and professional OverEasy compression with variable ratio above threshold), ambience control to add or subtract L-R (out-of-phase) information in midrange and treble increasing/decreasing spaciousness of sound field. Max line output 2 V; THD <0.002% 20-20,000 Hz, less than 0.07% with dbx processing; S/N 90 dB below 1 V A-wtd, 96 below 2 V A-wtd, 100 dB player in use, with dbx same as without processing except full compression limits max dynamic range to 60 dB while full DAIR increases dynamic range 10 dB to 106 dB; sep 90 dB; FR 10-20,000 Hz +5 dB, -1 dB; 10 lbs; 17 1/4" W x 3 1/4" H x 11 1/4" D \$599

DENON

DCD-1800R Compact Disc Player

Drawer-loading CD player. Features sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 15-function wireless remote control; headphone jack with adjustable level; super linear D/A converter; linear drive tracer mechanism. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number, time \$950

DCD-1800 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number, time. S/N 96 dB; sep 94 dB \$800

DCD-1500 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz) programming of 20 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 10-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number, time. THD at 1,000 Hz 0.0025%; S/N 96 dB; sep 95 dB; FR 5-20,000 Hz ± 0.3dB \$580

DCD-1100 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; programming of 9 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 9-function remote control. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number, time. THD at 1,000 Hz 0.004%; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz \$430

DCD-1000 Compact Disc Player

Drawer-loading CD player. Features 1-beam laser; programming of 9 tracks in random order; sound audible during FF and FR; skip forward; skip back; repeat disc. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc. Cues by track number, index number. THD at 1,000 Hz 0.004%; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz ± 1 dB \$360

FISHER

AD-823B Compact Disc Player

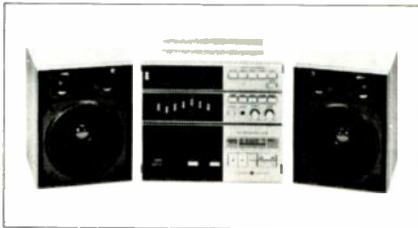
Horizontal-loading CD player with motorized drawer. Features forward/reverse scan functions; index scan; LED readout for track and index selection. 440 mm W; 12 lbs \$400

AD-822. Same as AD-823B except 400 mm width \$400

GENERAL ELECTRIC

3-7010 CD Compact Stereo System

Compact stereo system with CD player, AM/FM radio 7-band graphic equalizer, detachable speakers. Features automatic music search on CD; automatic disc tray; LED display of track number. elapsed time, re-



maining time; Electronic Tuning System with 10-station memory; auto station search; telescopic whip antenna; soft-touch logic controls; rotary volume and balance controls; loudness control; detachable handle; 6.5" woofers; 1.5" tweeter; 20 W/ch \$600

HARMAN KARDON

HD500 CD Player-Shown on front cover

Drawer-loading remote-controlled Compact Disc player designed for low IMD from 0 to 100,000 Hz. Analog output section uses no negative feedback to eliminate TIM. Direct coupling from analog converter to output jacks improves low-frequency performance. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz) with gradual analog filter; pro-



gramming of 15 tracks in random order; 2-speed FF and FR; sound audible during FF and FR; skip forward; skip back; repeat disc or phrase; 9-function remote control; headphone jack with adjustable level (output level also adjustable). Displays current track number, elapsed time of current track, program stored in memory. Cues by track number, index number, time. Max line output 2.4 V; headphone output 900 µV; THD at 1,000 Hz 0.001%; S/N 100 dB; sep 83 dB; FR 4-20,000 Hz ± 0.5 dB; 12.8 lbs; 17 1/4" W x 4" H x 13 1/4" D \$600

HITACHI

DA600 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks; display of current track number, elapsed time of current track, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; cue by track number, index number, all function remote control; headphone jack with adjustable level. Max line output 2.5 V; THD at 1,000 Hz 0.003%; IMD 0.003%; S/N 95 dB; sep 92 dB; FR 5-20,000 Hz; 11 lbs; 17 1/4" W x 3 1/4" H x 10 3/4" D \$650

DA500 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; display of current track number, elapsed time of current track; program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; cue by track number, index number. Max line output 2.5 V; THD at 1,000 Hz 0.003%; IMD 0.003%; S/N 95 dB; sep 92 dB; FR 5-20,000 Hz; 10 lbs; 17 1/4" W x 3 1/4" H x 10 3/4" D \$450

DA400 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; display of current track number, elapsed time of current track, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; cue by track number, index number. Max line output 2.5 V; THD at 1,000 Hz 0.003%; IMD 0.003%; S/N 95 dB; sep 92 dB; FR 5-20,000 Hz; 9 lbs; 12 1/2" W x 3 1/4" H x 12 1/4" D \$400

JVC

XL-V500B Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; full-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.003%; S/N 96 dB; sep 90 dB; FR 5-20,000 Hz \$600

XL-V400B Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz) programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; full-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.003%; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz \$440

XL-V200B Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; headphone jack. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Max line output 2 V; THD at 1,000 Hz 0.004%; S/N 93 dB; sep 90 dB; FR 5-20,000 Hz \$300

KENWOOD

DP 1100 IIB Basic Series Compact Disc Player

Drawer-loading CD player. Displays elapsed time of current track, remaining time on disc, and program in

memory. Features programming of 16 tracks in random order; skip forward; skip back; repeat track, disc, and program; cue by index number; 24-function wireless remote control; linear skate disc loading mechanism; 16 bit linear quantizing per channel; semi-conductor laser pick-up; 16 memory presets; endless repeat play; 2 channels; audible FF and FR. Wow and flutter below measurable limit; dynamic range 95 dB; constant linear velocity 1.2-1.4 m/sec; sampling frequency 44,000 Hz; max line output 2.0 V; headphone output 31 mW/32 ohms; THD < 0.0015% at 1,000 Hz; FR 20-20,000 Hz \pm 0.5 dB; 15 lbs; 15 $\frac{3}{16}$ " W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D \$725

DP-840(B) Compact Disc Player

Vertical-loading CD player. Displays elapsed time on disc and remaining time on disc. Features semi-conductor laser pick-up with optimum servo control; repeat disc and program; cue by track and index number; headphone jack with adjustable level; linear skate disc loading mechanism; index and track search; memory function; 16 bits linear quantizing per channel; timer play and automatic repeat; 2 channels. Wow and flutter below measurable limit; max line output 2.0 V; headphone output 25 mW/32 ohms; THD less than 0.003% at 1,000 Hz; sep 90 dB at 1,000 Hz; FR 5-20,000 Hz \pm 0.5 dB; 10.5 lbs; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D \$395

KCD-1 Compact Disc Player

Drawer-loading CD player. Features 1-beam laser; digital filtering (resampling frequency 176.4 kHz) programming of 20 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc; displays current track number, elapsed time of current track, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz = 0.005% at 0 dB; IMD = 0.005%; S/N > = 90 dB; sep > = 86 dB; FR 20-20,000 Hz \pm 0.3 dB; 20 lbs; 19" W x 3.5" H x 14.5" D \$770

DA-910 Compact Disc Player

Compact Disc player with motorized drawer. Features three-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 24 tracks in random order; display of current track number, elapsed time of current track, remaining time on disc, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; cancel; repeat track, disc, phrase, program; cue by track number, index number; 8-function remote control; headphone jack (adjustable output). Max line output 8 V; THD at 1,000 Hz 0.005%; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz \pm 0.5 dB; 21 lbs; 17" W x 5 $\frac{1}{2}$ " H x 13" D \$1,600

DA-810 Compact Disc Player

Compact Disc player with motorized drawer. Features one-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 24 tracks in random order; display of current track number, elapsed time of current track, remaining time on disc, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; cancel; repeat disc, phrase, program; cue by track number, index number; headphone jack (adjustable output). Max line output 4 V; THD at 1,000 Hz 0.008%; S/N 90 dB; sep 90 dB; FR 20-20,000 Hz \pm 0.5 dB; 18 $\frac{1}{4}$ " W x 4" H x 12 $\frac{1}{2}$ " D \$1100

DA-610 Compact Disc Player

Drawer-loading CD player. Features three-beam digital filtering (resampling frequency 88.2 kHz 44.1 kHz) programming of 16 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat track, disc, program; 8-function remote control; headphone jack with adjustable level; auto shut-off at end of play; remote independently or through remote system center; 16-bit quantization; 7th order analog pass filter. Displays current track number, elapsed time of current track. Max line output 2 V; headphone

output 250 mV; THD at 1,000 Hz 0.005%; S/N 90 dB; sep 90 dB; FR 5-20,000 Hz \pm 0.5 dB . . . \$550

RC-101 Remote Control Unit. Wireless remote control center for selection/function control of Kyocera remote control products. Features single-cable interconnect to units 2 external remote sensor inputs; manual override \$250

RT-102 Remote Transmitter. Handheld wireless remote transmitter with 12 receiver, 6 tape deck, and 5 CD player functions. Features auto system power on/off. Controls main functions on Kyocera's new remote control components directly or through remote sensors. Included with RC-101.

RS-103 Remote Control Center. Features single-cable connection to Kyocera RC-101 control center and external remote control sensor. Allows multi-room remote control of Kyocera remote-capable CD players, receivers, and cassette decks \$75

LUXM N

D-03 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; programming of 20 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; 7-function remote control. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number, time. Max line output 2 V; THD at 1,000 Hz 0.003% at -1 dB; S/N 97 dB; FR 5-20,000 Hz -0.5 dB; 18.7 lbs; 17 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D \$1,500

D-408 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; sound audible during fast forward and fast reverse; skip forward skip back; fast forward; fast reverse; cancel; repeat track, disc, program; 22-function re-

mate control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, program stored in memory. Cues by track number, index number, time. Max line output 2 V; THD at 1,000 Hz 0.003% at -1 dB; S/N 96 dB; sep 90 dB; FR 5-20,000 Hz -0.5 dB; 34.7 lbs; 16 $\frac{1}{16}$ " W x 6 $\frac{3}{16}$ " H x 17 $\frac{1}{16}$ " D \$1,3000

D-405 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc. Max line output 2 V; THD at 1,000 Hz 0.003% at -1 dB; S/N 96 dB; sep 90 dB; FR 5 20,000 Hz -0.5 dB; 13.2 lbs; 17 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D \$600

D-404 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; programming of 8 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat track disc, program; 5-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -1 dB; S/N 96 dB; sep 90 dB; FR 5-20,000 Hz -0.5 dB; 13.2 lbs; 17 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D \$500

MADRIGAL

MCD Pro Compact Disc Player

Compact Disc player developed from Philips 101 chassis with additional electronics located below unit. Integrator and analog filtering stage, and absolute phase correction system are separated from digital and servo systems and powered by separate transformer and regulated power supply. Features master oscillator; play, pause, stop, select store, cancel repeat functions \$1,400

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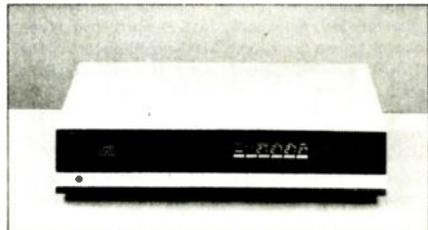
audio research corporation

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CIRCLE NO 6 ON READER SERVICE CARD

FD3040 Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 24 tracks in random order; fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 9-function remote control; headphone jack with adjustable



ble level; output jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number, time. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; sep 94 dB; FR 20-20,000 Hz \pm 0.15 dB; dynamic range 96 dB; 21 lbs; 16 1/2" W x 3 1/4" H x 11 1/4" D \$570

FD1040 Compact Disc Player

Front tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 20 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program. Displays current track number, elapsed time of elapsed time of current track; time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; sep 94 dB; FR 20-20,000 Hz \pm 0.15 dB; 17 lbs; 12 1/2" W x 3" H x 11 1/4" D \$390

FD2040 Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 20 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat track, disc, program. Displays current track number, elapsed time of current track, time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at 0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; sep 94 dB; FR 20-20,000 Hz \pm 0.15 dB; 16 1/2" W x 3" H x 11 1/4" D \$390

FD1051 BK Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 20 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track; 10-function remote control. Displays current track number, elapsed time of current track, time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; FR 20-20,000 Hz \pm 0.15 dB; 12 1/2" W x 3 1/4" H x 11 1/4" D \$349

FD1041 BK Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 20 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track; 10-function remote control (optional). Displays current track number, elapsed time of current track, time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level. S/N 96 dB; sep 94 dB; FR 20-20,000 Hz \pm 0.15 dB; 12 1/2" W x 3 1/4" H x 11 1/4" D \$299

FD2041 SL Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 20 tracks in random order; sound audible during fast forward

ward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track; 10-function remote control (optional); headphone jack with adjustable level. Displays current track number, elapsed time of current track, time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; sep 94 dB; FR 20-20,000 Hz \pm 0.15 dB; 16 1/2" W x 3 1/4" H x 11 1/4" D \$299

CD 74 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 24 tracks in random order; display of current track number, elapsed time of current, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; cue by track number. Max line output 2 V; THD at 1,000 Hz 0.005%; S/N 96 dB; sep 90 dB; 14.3 lbs; 16 1/2" W x 4 1/4" H x 13 1/4" D \$600

CD 150 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 16 tracks in random order; display of current track number, elapsed time of current track, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; cue by track number. Max line output 2 V; THD at 1,000 Hz 0.005%; S/N 96 dB; sep 90 dB; 9.5 lbs; 16 1/2" W x 4" H x 11 1/4" D .. \$400

MCD 7000 Remote-Controlled CD Player

Remote-controlled Compact Disc player with single-beam laser and ERCO error-correction system. Programs up to 20 tracks in random order. Controls for power, scan, store, program, cancel, skip back in program, skip forward in program, stop, time, track, back track, next track, play, fast reverse, fast forward, repeat, pause, output level, headphone volume. Remote controls pause, scan, stop, cancel, store, program forward and back, back track, play, next track, fast reverse, fast forward, repeat. Indicator for damaged disc or mute error. Features 16-bit equivalent D/A conversion through quadruple oversampling with digital filtering and 14-bit D/A conversion; CIRC error correction; EF modulation; 3-speed search. FR 20-20,000 Hz \pm 0.3 dB; dynamic range and S/N 96 dB; ch sep 94 dB at 1,000 Hz; THD 0.003% at 1,000 Hz; W&F quartz-crystal precision; output level 2 V \$1,399

MCD Compact Disc Player

Top-loading CD player. Features one-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 15 tracks in random order; skip forward; skip back; cancel; repeat track, disc; displays current track number, program stored in memory. Max line output 2.0 V; THD at 1,000 Hz 0.005% at -0 dB; IMD 0.005%; S/N > 90 dB; sep > 86 dB; FR 20-20,000 Hz \pm 0.3 dB \$699
MCD PRO. With additional circuitry in deeper case \$1,400

DAD7000 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; programming of 20 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel, repeat track, disc, program; Displays current track number, elapsed time of current track. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.004% at -0 dB; IMD < -86 dB; sep 90 dB; FR 20-20,000 Hz \pm 0.3 dB \$649
DAD700R. Same as above but with remote control \$749

DP107 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 9 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat program; displays current track number. Max line output 2 V; headphone output 0.16 V; THD at 1,000 Hz 0.003%; sep +90 dB; FR 5-20,000 Hz +0.5, -1.0 dB \$280

5355 Compact Disc Player

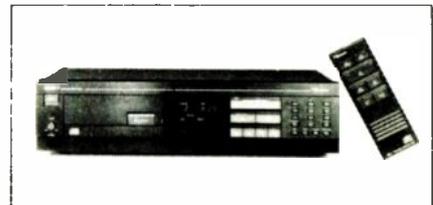
Drawer-loading Compact Disc player. Features three-beam laser; display of current track number, elapsed time in track, remaining time on disc; sound audible during fast forward and fast reverse; skip forward; skip back; repeat disc; fast forward; fast reverse; repeat disc, program; cue by track number, display of program in memory; 9 function remote. Max line output 2.0 V; THD at 1,000 Hz 0.003% at 0 dB; S/N 98 dB de-emphasis on; sep 90 dB at 1,000 Hz 5-20,000 Hz +0.5 dB \$498

DMP-100 Digital Mastering Processor

Digital mastering processor for use with any NTSC-C compatible VCR: (VHS, Beta, U-Matic, or 1/4-inch). Features choice of EIAJ 14-bit or 16-bit encoding; efficient high-frequency (100,000 Hz) DC-DC converter; special high-performance capacitors to reduce distortion. Nominal specs: FR 10-20,000 Hz \pm 0.5 dB; dynamic range (re 1 kHz, 0 dB) 14-bit 88 dB; 16 bit 92 dB; THD 0.006%; 14 bit; ch sep 80 dB; W&F beneath measurable limits. Guaranteed min specs: FR 10-20,000 Hz \pm 1 dB; dynamic range 16-bit 90 dB; THD 16-bit 0.006%; 4 1/4" W x 3 1/4" H x 12 1/4" D; 6 lbs, 10 oz \$1,800

OMS-7 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 24 tracks in random order; display of current track number, elapsed time of current track, remaining time on disc, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat disc, program; cue by track number, index number; 7-function remote control; headphone jack with adjustable level. Max line output 2 V; headphone output 20 mW; THD at 1,000 Hz 0.003%; S/N better than 92 dB; sep better than 92 dB; FR 5-20,000 Hz +0.5 dB; 16 lbs, 9 oz; 17 1/4" W x 3 1/4" H x 12 1/4" D \$1,295
OMS-5. Similar to OMS-7 without remote and programming functions \$995



verse; cancel; repeat disc, program; cue by track number, index number; 7-function remote control; headphone jack with adjustable level. Max line output 2 V; headphone output 20 mW; THD at 1,000 Hz 0.003%; S/N better than 92 dB; sep better than 92 dB; FR 5-20,000 Hz +0.5 dB; 16 lbs, 9 oz; 17 1/4" W x 3 1/4" H x 12 1/4" D \$1,295
OMS-5. Similar to OMS-7 without remote and programming functions \$995

CO-705 Compact Disc Player

Drawer-loading Compact Disc player. Features one-beam laser; digital filtering (resampling frequency 88.2 kHz); nondelay digital filter with 5-pole active low pass; programming of 15 tracks in random/sequential order; display of current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory; sound audible during fast forward and fast reverse; skip forward, skip back; cancel; repeat track, disc, repeat program; cue by track number, index number, time; dockable full function remote control; max line output 2.5 V; headphone output 1.5 V; THD at 1,000 Hz 0.005%, at 5-20,000 Hz 0.01%; IMD

0.01%, S/N 95 dB at 1,000 Hz, sep 70 dB at 5-20,000 Hz, 90 dB at 1,000 Hz; FR 5-20,000 Hz \pm 0.5 dB; 23 lbs; 16 $\frac{1}{16}$ " W x 4 $\frac{3}{32}$ " H x 14 $\frac{1}{16}$ " D \$749

CD-607 Compact Disc Player

Drawer-loading CD player. Features three beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 15 tracks in random/sequential order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program, remote control; 5-pole active low pass filter; high-speed CMOS D/A switching circuit. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number. Max line output 2.5 V; THD at 1,000 Hz 0.005%; S/N 95 dB; sep 90 dB at 1,000 Hz; FR 5-20,000 Hz \pm 0.5 dB; 14.77 lbs; 16 $\frac{7}{32}$ " W x 3 $\frac{1}{32}$ " H \$599

CD-509E Compact Disc Player

Drawer-loading CD player. Features three-beam one-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; headphone jack; non-delay digital filter with 5-pole active low pass. Displays current track number, elapsed time of current track, program stored in memory. Cues by track number. Max line output 2.5 V; THD at 1,000 Hz 0.005%; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz \pm 0.5 dB; 14.77 lbs, 16 $\frac{1}{16}$ " W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D \$449

NCD-200 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 9 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase, program; headphone jack with adjustable level. Displays current track number, elapsed time of disc. Max line output 7 V; headphone output 180 mV; THD at 1,000 Hz 0.03% at -0 dB, IMD 0.05%; S/N 92 dB; sep 90 dB; FR 10-18,000 Hz \pm 0 dB; 10 lbs; 17 $\frac{1}{4}$ " W x 3 $\frac{1}{4}$ " H x 11 $\frac{1}{4}$ " D \$700

NCD-100 Compact Disc Player

Drawer-loading CD player. Features one-beam 4-section laser; programming of 2 tracks in sequential order; skip forward; skip back; fast forward, fast reverse; repeat disc; headphone jack with adjustable level. Displays current track number, elapsed time of disc, remaining time on disc \$600

DX-200 Integra Compact Disc Player

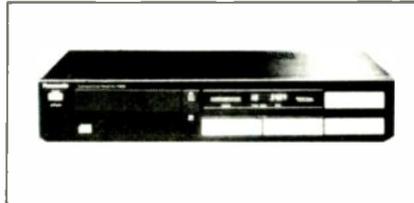
Drawer-loading CD player. Features one-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 16 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program, full-function remote control; headphone jack with adjustable level; Polysorb[®] Suspension System; dynamic super-servo analog section; 3 power supplies. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 1.5 V, THD at 1,000 Hz 0.003%; S/N 96 dB; sep 93 dB; FR 2-20,000 Hz \pm 0.5 dB; 13 lbs; 17 $\frac{1}{16}$ " W x 4" H x 13 $\frac{1}{16}$ " D \$600

DX-150 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 16 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program. Displays current track number, elapsed time of current track, program stored in memory. Cues by track number. THD at 1,000 Hz 0.005%. S/N 93 dB; sep 87 dB; FR 10-20,000 Hz \pm 2 dB. 11 lbs; 17 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 13 $\frac{1}{16}$ " D \$370

SL-P3610 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; skip forward; skip back; repeat track, disc, program; motor



driven slide-out compartment. Displays current track number, elapsed time of current track, elapsed time of disc. Max line output 2 V; THD at 1,000 Hz < 0.003% at -0 dB; S/N > 96 dB; sep > 100 dB; FR 4-20,000 Hz \pm 0.5 dB; 11.2 lbs; 15 $\frac{1}{16}$ " W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{16}$ " D \$375

CDP-900 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); sound audible during fast forward and fast reverse; skip forward, skip back; fast forward; fast reverse; repeat disc; headphone jack with adjustable level. Displays current track number, elapsed time of disc, remaining time on disc. Max line output 2 V; headphone output 1.5 V; THD at 1,000 Hz 0.003% at -70 dB; IMD 0.002%; S/N 102 dB; sep 95 dB; FR 20-20,000 Hz \pm 0.2 dB; 14 lbs; 17 $\frac{1}{16}$ " W x 4" H x 10" D \$350

P-DX700 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; programming of 10 tracks in random order; display of current track number, remaining time on disc; sound audible during FF and FR; skip forward; skip back; repeat track, disc, phrase, program; cue by track number. Max line output 200 mV; THD at 1,000 Hz 0.0045% at -0 dB; S/N 95 dB; sep 93 dB; FR 5-20,000 Hz \pm 0.5 dB; 10 lbs, 2 oz; 12 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 10 $\frac{1}{16}$ " D \$540

PD-9010X Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 32 tracks in random order; sound audible during FF and FR; skip forward; skip back; cancel; repeat track, disc, program; remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.001% at -0 dB; S/N 98 dB; sep 95 dB; FR 2-20,000 Hz \pm 0.3 dB; 12 lbs, 8 oz; 18" W x 3 $\frac{1}{4}$ " H x 12 $\frac{1}{16}$ " D \$540

PD-7010 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 32 tracks in random order; sound audible during fast forward and fast reverse; skip forward, skip back; fast forward; fast reverse; cancel; repeat track, disc, program; remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track and index number. Max line output 2 V; THD at 1,000 Hz 0.0015% at -0 dB; S/N 96 dB; sep 93 dB; FR 2-20,000 Hz \pm 0.5 dB; 10 lbs, 6 oz; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D \$460

PD-6010 Compact Disc Player

Drawer-loading CD player with 3-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 27 tracks in random order; sound audible during FF and FR; skip forward; skip back; cancel; repeat track, disc, program; 9-function remote control;

headphone jack with adjustable level. Displays current track number. Cues by track number, time. Max line output 2 V, THD at 1,000 Hz 0.002% at -0 dB; S/N 96 dB, sep 93 dB; FR 2-20,000 Hz \pm 0.5 dB; 10 lbs, 6 oz; 16 $\frac{1}{2}$ " W x 3 $\frac{1}{4}$ " H x 12 $\frac{1}{4}$ " D \$350

PD-5010 Compact Disc Player

Drawer-loading CD player with 3-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 27 tracks in random order; sound audible during FF and FR, skip forward; skip back; cancel; repeat track, disc, program; headphone jack with adjustable level. Displays current track number, elapsed time of current track. Cues by track number, time. Max line output 2 V; THD at 1,000 Hz 0.002% at -0 dB; S/N 96 dB, sep 93 dB; FR 2-20,000 Hz \pm 0.5 dB; 10 lbs, 6 oz, 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{16}$ " D \$300

CLD-900 Compact Disc/LaserDisc Player

Drawer-loading player for Compact Discs and LaserVision videodiscs. Features 3 beam laser; programming of 1 track; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, phrase; remote control, headphone jack with adjustable level.



Displays current track number, elapsed time of current track, remaining time on disc. Cues by track number, index number, time; 6 separate servo systems including tilt servo to compensate for warped discs, 83 mm disc damper for added playback stability. THD at 1,000 Hz 0.003% at -0 dB; S/N 96 dB; sep 94 dB, FR 5-20,000 Hz \pm 0.5 dB, 34 lbs, 7 oz; 16 $\frac{1}{16}$ " W x 6 $\frac{3}{8}$ " H x 17 $\frac{1}{8}$ " D \$1,200

CD8975YE Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, disc, displays current track number, elapsed time of current track. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.003% at 0 dB; S/N + 96 dB; sep + 90 dB; FR 4-20,000 Hz \pm 0.5 dB; 11.2 lbs; 8 $\frac{1}{2}$ " W x 4 $\frac{1}{4}$ " H x 12 $\frac{1}{16}$ " D \$400-\$500

MCD-140 Dimensia Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 16 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel, repeat track, disc, program; Dimensia 256-function remote control. Displays current track number, elapsed time of current track, elapsed time of disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz \pm 0.5 dB; 10.8 lbs, 17 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 11 $\frac{1}{16}$ " D \$600

MCD-145 Dimensia Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back, fast forward, fast reverse; cancel; repeat track, disc, program; full-function remote control; headphone jack with adjustable level; automatic

status indication and switching; local or remote programming; display of all functions on Dimensia monitor; use of standard or system link cabling. Displays current track number, elapsed time of current track. Cues by track number, index number. Max line output 1.8 V; THD at 1,000 Hz > or equal to 0.005% at -0 dB; S/N > or equal to 90 dB; sep > or equal to 80 dB; FR 20-20,000 Hz ± 1 dB \$400

MCD Digital Command Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; full-function remote control. Displays current track number, elapsed time of current track. Cues by track number, index number. Max line output 1.8 V; THD at 1,000 Hz > or equal to 0.005% at -0 dB; S/N > or equal to 90 dB; sep > or equal to 80 dB; FR 20-20,000 Hz ± 1 dB; $17\frac{1}{8}''$ W x $3\frac{3}{8}''$ H x $11\frac{1}{4}''$ D; approx \$300

REALISTIC

CD-1200 Compact Disc Player

Drawer-loading Compact Disc player programs 16 tracks in random playback; auto-search music system; track number; index number; elapsed time; remaining time; current mode; forward; reverse; high-speed audible search; FR 5-20,000 Hz +0.5, -1 dB; dynamic range > 90 dB; ch sep > 90 dB at 1,000 Hz; output 2 V; $2\frac{1}{8}''$ x $14''$ x $10\frac{1}{2}''$ \$300

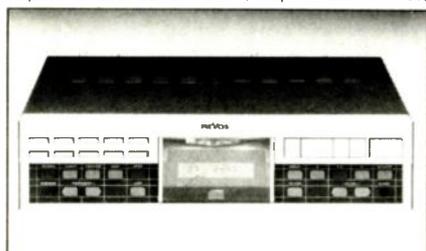
CD-2000 Compact Disc Player

Drawer-loading Compact Disc player programs 15 tracks for random playback; displays time elapsed since start of track; displays current track and index number; pushbutton repeat-play of entire disc or pre-selected tracks; auto-search music system; high-speed audible search. FR 5-20,000 Hz +0.5, -1 dB; dynamic range 90 dB; S/N 88 dB; ch sep > 90 dB at 1,000 Hz; THD 0.004% at 1,000 Hz... \$259

REVOX

B 225 Compact Disc Player

Drawer-loading Compact Disc player with infrared or wired remote; 1,000 Hz calibration tone corresponding to max output level. Features 1-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 19 tracks; display of current track number, elapsed time of current track, elapsed time of disc,



program stored in memory; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; cue by track number, index number, time; 7-function remote control; headphone jack (adjustable output). Access time 3 seconds or less. Max line output 2 V; headphone output 13 V (600 ohms); THD 0.006% at 1,000 Hz at rated output; S/N 96 dB; sep 90 dB; FR 20-20,000 Hz \$1,150

SAMPO

CDP-501 Drawer-Loading CD Player

Features programming of up to 16 tracks in random order; repeat of track, disc, or phrase; track/elapsed time display; skip forward; skip back; fast forward; fast reverse; black. \$299

SANSUI

SL1000 Laser Disc/CD Player

Combination LaserDisc video player/Compact Disc audio player with top loading feature. Features one-

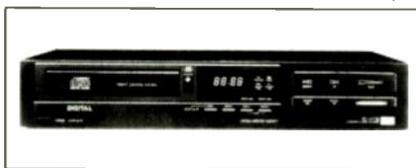
beam laser; CX NR; microcomputer connection for character generator; skip forward; skip back; fast forward; fast reverse; repeat phrase, program; 7-function remote control; headphone jack with adjustable level. Displays current track number and elapsed time on disc. THD at 1,000 Hz 0.003%; S/N 96 dB; FR 5-20,000 Hz \$1,199

PC-X1 Portable Tricode PCM Digital Audio Processor

Permits digital recording and playback at the slow Extended Play (EP) speed on any VCR. Video format NTSC TV; PCM format EIAJ, STC-007 digital-audio-standard; FR 5-20,000 Hz; S/N > 85 dB; dynamic range > 86 dB; THD < 0.007%; W&F unmeasurable; sampling frequency 44,056 kHz; quantization 14 bits \$1,000
PC-X11, AC-powered only \$899

PC-V750 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 8 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat



track. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Max output 2 V; THD at 1,000 Hz 0.003%; sep 90 dB; FR 5-20,000 Hz; 10.7 lbs; $16\frac{1}{16}''$ W x $3\frac{3}{32}''$ H x $12\frac{1}{32}''$ D \$350

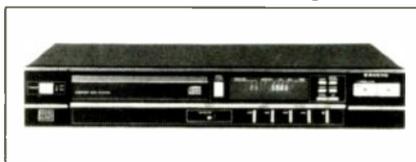
PC-V100 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 176.4 kHz); programming of 9 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat track, disc, program. Displays current track number, elapsed time of disc, remaining time on disc, program stored in memory. Max line output 2 V; THD at 1,000 Hz 0.003%; sep 90 dB; FR 5-20,000 Hz; 7.9 lbs; $13\frac{1}{4}''$ W x $3\frac{3}{8}''$ H x $11\frac{1}{4}''$ D \$350

A

CP660 Compact Disc Player

Drawer-loading CD player. Features 1-beam laser; display of current track number, remaining time on disc;



skip forward; skip back; cancel; repeat disc. Max line output 2 V, 11 kohms; THD at 1,000 Hz 0.0025%; sep 92 dB (1,000 Hz); FR 5-20,000 Hz \$300

O

959 DA Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 99 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; headphone jack with adjustable level; wireless remote control; timer play. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number. Headphone output 0.16 V; THD at 1,000 Hz 0.002%; S/N 98 dB IEC flat; sep 90 dB; FR 3-20,000 Hz +0.5, -1 dB; 10 lbs \$500

949DA Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering (resampling frequency 44.1 kHz); programming of 23 tracks in random order; skip for-

ward; skip back; fast forward; fast reverse; cancel; repeat track; timer play. Displays current track number, elapsed time of current track. Cues by track number, index number. THD 0.003%; S/N 95 dB; FR 5-20,000 Hz ± 0.5 dB; 9 lbs \$400

R

9751 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering; programming of 15 tracks in random order; fast forward; fast reverse; repeat track; headphone jack. Displays current track number. Max line output 2 V; headphone output 0.15 V; THD at 1,000 Hz 0.015% at -30 dB; S/N 90 dB; sep 90 dB; FR 20-20,000 Hz ± 1 dB \$250

9752 Compact Disc Player

Drawer-loading CD player. Features one-beam laser; digital filtering; programming of 15 tracks in random order; fast forward; fast reverse; repeat track; headphone jack. Displays current track number. Max line output 2 V; headphone output 0.15 V; THD at 1,000 Hz 0.015% at -30 dB; S/N 90 dB; sep 90 dB; FR 20-20,000 Hz ± 1 dB \$250

A P

DX-100 Compact Disc Player

Horizontal, drawer-loading CD player with DC servo amplifier. 15 selections may be programmed for playback in any order. Features auto program locate device; auto program search system; repeat function; LED display; time counter; headphone jack ... \$399

CDP200 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 9 tracks in random order; motorized disc loading; automatic initialization; 2 speed forward/backward scan; display of current track number, elapsed time of current track, elapsed time of disc; sound audible during fast forward and fast reverse; fast forward; fast reverse; cancel; repeat A,B, disc, phrase, programmable repeat, index scan; cue by track number, index number; headphone jack with adjustable level. Max line output 2 V; headphone output 160 V; S/N 100 dB; sep 90 dB; FR 6-20,000 Hz ± 0.5 dB; $17\frac{1}{8}''$ W x $3\frac{1}{16}''$ H x $11\frac{1}{4}''$ D \$399
CDP220, With full-function remote \$499

N

PCM-F1 Digital Audio Processor

Digital audio processor for recording and playback with any VCR. Controls include headphone volume; rec level; meter adjustment; muting; copy; rec mute. Features Cyclic Redundancy Check Code error correction to detect 99.9985% of dropout errors; word interleaving and linear interpolation systems; copper finished chassis and copper screws; mike amp; 24-element LED meters reading from -50 to 0 dB; auto peak hold; digital copy out; auto emphasis detector; gold-plated inputs and outputs; 3-way power supply. W&F immeasurable; dynamic range > 90 dB 16-bit, > 86 dB 14-bit; sep > 80 dB; FR 5-20,000 Hz ± 0.5 dB; S/N 90 dB; distortion < 0.005% 16-bit, < 0.007% 14-bit; sampling rate 44,056 Hz; quantization 16-bit and 14-bit \$1,700
PCM-501ES. Similar to PCM-F1, except AC-powered for stationary use, and works with external mixer. Compatible with any VCR usable in the US. Finished in black anodized aluminum. Features digital copy output; 28-segment peak meters. Dynamic range > 90 dB 16-bits, > 86 dB 14-bits; harmonic distortion < 0.005% 16-bits, 0.007% 14-bits; FR 5-20,000 Hz ± 0.5 dB; W&F unmeasurable \$750

CDP-650ESD Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 20 tracks in random order; sound audible during FF and FR; skip forward; skip back; cancel; repeat track, disc, phrase, program; 20-function re-

mote control; headphone jack with adjustable level; digital output stage; auto-delay; shuffle play. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.0025%; IMD 0.0025%; S/N 96 dB; sep 96 dB; FR 2-20,000 Hz ± 0.3 dB \$1300

CDP-620ES Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 20 tracks in random order; sound audible during FF and FR; skip forward; skip back; FF; FR; cancel; repeat track, disc, phrase, program; 20-function remote control; headphone jack with adjustable level; auto delay; shuffle play. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.0025%; IMD 0.0025%; S/N 96 dB; sep 96 dB; FR 2-20,000 Hz ± 0.3 dB; 20 lbs; 17" W \times 3 $\frac{1}{4}$ " H \times 14" D \$950

CDP-520ES Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 16 tracks in random order; sound audible during FF and FR; skip forward; skip back; FF; FR; cancel; repeat track, disc, phrase, program; 15-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number, time. Max line output 2 V; THD at 1,000 Hz 0.003%; IMD 0.003%; S/N 96 dB; sep 96 dB; FR 2-20,000 Hz ± 0.3 dB; 15 lbs; 17" W \times 3 $\frac{1}{4}$ " H \times 13 $\frac{1}{4}$ " D \$600

CFD-5 Boombax Compact Disc Player

Portable, top-loading CD player with AM/FM tuner, EQ, amplifier, speakers and a handle. Features 3-beam laser; sound audible during FF and FR; skip forward; skip back; FF; FR; repeat track, disc, headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.008%; IMD 0.008%; S/N 85 dB; sep 85 dB; FR 2-20,000 Hz ± 1 , -3 dB; 17 lbs, 3 oz; 22" (with speakers) W \times 8" H \times 8" D \$550

CDP-302 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz) programming of 16 tracks in random order; sound audible during FF and FR; skip forward; skip back; FF; FR; cancel; repeat track, disc, phrase, program; 15-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.003%; IMD 0.003%; S/N 96 dB; sep 95 dB; FR 2-20,000 Hz ± 0.5 dB; 15 lbs; 17" W \times 3 $\frac{1}{4}$ " H \times 13 $\frac{1}{4}$ " D \$550

CDP-102 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 88.2 kHz); sound audible during FF and FR; skip forward; skip back; FF; FR; cancel; repeat track, disc, phrase, 15-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.003%; IMD 0.003%; S/N 96 dB; sep 95 dB; FR 2-20,000 Hz ± 0.5 dB; 13 lbs; 14" W \times 3 $\frac{1}{4}$ " H \times 13 $\frac{1}{4}$ " D \$450

CDP-70 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; programming of 16 tracks in random order; sound audible during FF and FR; skip forward; skip back; FF; FR; cancel; repeat track, disc, program; 4-function remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in

memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.004%; IMD 0.004%; S/N 90 dB; sep 90 dB; FR 2-20,000 Hz ± 0.5 dB; 9 lbs; 17" W \times 2 $\frac{1}{4}$ " H \times 11" D \$350

CDP-30 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; sound audible during FF and FR; skip forward; skip back; FF; FR; repeat track, disc, phrase. Displays current track number, elapsed time of current track, remaining time on disc. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.004%; IMD 0.004%; S/N 90 dB; sep 90 dB; FR 2-20,000 Hz ± 0.5 dB; 9 lbs; 14" W \times 3 $\frac{1}{4}$ " H \times 11" D \$330

CDP-7F Compact Disc Player

Top-loading CD player. Features 3-beam laser; programming of 16 tracks in random order; sound audible during FF and FR; skip forward; skip back; FF; FR; cancel; repeat track, disc, program; 4-function remote control; headphone jack with adjustable level. Dis-



plays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.004%; IMD 0.004%; S/N 90 dB; sep 90 dB; FR 2-20,000 Hz ± 0.5 dB; 9 lbs; 8 $\frac{1}{2}$ " W \times 3 $\frac{1}{4}$ " H \times 12" D \$300

D-5 Portable CD Player

Comes with AC adaptor for home use, optional battery pack allows portable use. Features 3-beam laser; sound audible during FF and FR; skip forward; skip back; FF; FR; repeat track, headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.008%; IMD 0.008%; S/N 85 dB; sep 85 dB; FR 5-20,000 Hz ± 1 dB; 1 lb, 5 oz; 5" W \times 1 $\frac{1}{2}$ " H \times 5 $\frac{1}{4}$ " D \$300

VI VANI

FDD304 Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 24 tracks in random order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 9-function remote control; headphone jack. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number, time. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; sep 94 dB; FR 20-20,000 Hz \$600

FDD104 Compact Disc Player

Tray-loading CD player. Features digital filtering (resampling frequency 176.4 kHz); programming of 20 tracks in random order; skip forward; skip back; fast forward; fast reverse; repeat track, disc, program. Displays current track number, elapsed time of current track, time on disc, program stored in memory. Cues by track number. Max line output 2 V; THD at 1,000 Hz 0.003% at -0 dB; IMD 86 dB below 0 dB level; S/N 96 dB; sep 94 dB; FR 20-20,000 Hz ± 0.15 dB; 17 lbs; 12 $\frac{1}{2}$ " W \times 3" H \times 11 $\frac{1}{4}$ " D \$500

SYMPHONIC

CD-100 Compact Disc Player

Features front-load drawer design; random selection programming; music track search; single-laser

pick-up system; high-speed 16-bit linear D/A converter; hard wired 2 RCA-type phono plug cords. Displays disc program, program track, elapsed time, play/pause, memory, repeat one track, repeat all track, and repeat (A/B) display. 13 $\frac{1}{4}$ " W \times 3 $\frac{3}{32}$ " H \times 11 $\frac{1}{4}$ " D \$180

LV-5000DS LaserMate CD/LV Player

Remote-controlled player for Compact Discs and LaserVision videodiscs. Plays digital soundtracks of videodiscs so encoded, analog sound if not. CX NR switched in automatically for CX-encoded discs. Video display of track, index numbers and elapsed, remaining, and total time of CDs; for LVs, chapter, frame, time. CD functions: repeat of track, phrase, disc; index search; track search; scan; etc. LV functions: variable-speed slow motion; triple-speed play; freeze frame; step-slow phrase repeat; chapter, number, time search. Features headphone output with adjustable volume; 8-pin DIN port for connecting personal computer; 3-beam laser; oxygen-free-copper power cables; gold-plated audio-out jacks; independent spindle motors; die-cast aluminum chassis; auto disc-type detector. Video output: level 1 V p-p nominal, negative sync, terminated; imp 75 ohms unbalanced. VHF output: switchable for 3 or 4; imp 75 ohm unbalanced. Audio terminal 1 (LV and CD): FR 5-20,000 Hz ± 0.5 dB; S/N 90 dB at 1,000 Hz; dynamic range 96 dB at 1,000 Hz. Audio terminal 2 (analog output): S/N 70 dB with CX; dynamic range 70 dB. Analog output level 260 mV RMS (1,000 Hz, 40%); digital out 269 V RMS (1,000 Hz, -20 dB). 35.2 lbs; 16 $\frac{1}{16}$ " W \times 6 $\frac{1}{4}$ " H \times 17 $\frac{1}{4}$ " D \$1,295

PD-500 Compact Disc Player

Drawer-loading CD player with 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 12 tracks in random order; sound audible during FF and FR; skip forward; skip back; cancel; repeat track, disc, phrase, program; remote control; headphone jack with adjustable level. Displays current track number, elapsed time of current track, remaining time on disc, program stored in memory. Cues by track number, index number. 16-bit linear D/A converter; switchable auto space function adds 3-sec blank space between tracks. Max line output 2.0 V; headphone output 2.0 V; THD at 1,000 Hz 0.0015% at -0 dB; S/N 96 dB; sep 95 dB; FR 3-20,000 Hz ± 0.5 dB; 4.8 kg; 435 mm W \times 93 mm H \times 290 mm D \$599

PD-11 Compact Disc Player

Drawer loading 3-beam-laser CD player with programming of 23 tracks. Features display of current track number; display of elapsed time of current track; display of elapsed time or remaining time on disc; display of program in memory; sound audible during FF and FR, skip forward; skip back; cancel; repeat track, disc, phrase, program; cue by track number; cue by index number; multi-function remote; headphone jack with adjustable level. Max line output 2 V RMS; THD < 0.0015%; S/N > 95 dB; ch sep > 90 dB; FR 5-20,000 Hz ± 0.5 dB; 8 $\frac{1}{16}$ lbs; 13 $\frac{1}{4}$ " W \times 3 $\frac{1}{16}$ " H \times 11 $\frac{1}{2}$ " D \$599

SV-100 Digital Audio Processor

Digital audio processor for digital audio recording and playback with VCR. Features semiconductor circuitry; 2-color FL meters for accurate indication; 2 sets of video input/output jacks on side and on rear. PCM standard EIAJ; quantization linear 14 bit; decoding linear 14 bit; FR 2-20,000 Hz ± 0.5 dB; harmonic distortion < 0.01% at 1,000 Hz, 0 dB; dynamic range > 86 dB; power supply AC/DC/car battery; main unit 9 $\frac{1}{8}$ " W \times 3 $\frac{3}{8}$ " H \times 9 $\frac{1}{8}$ " D; main unit 6.4 lbs; AC power unit 5.1 lb \$900

SV-110 PCM Digital Audio Processor

Digital audio processor designed for PCM recording and playback in combination with VCR; designed to match appearance of home audio system components and VCRs. Features up to 6 hours of continuous re-

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recording; connections for 2 VCRs; 2-way digital copying; 2-color peak-hold FL meters (-25 dB to +6 dB); headphone level control; built-in mike amp; playback mute cancel switch \$800

SL-P3K Compact Disc Player

Drawer-loading CD player with 24-function (including volume) remote control. Features 3-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, and program; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, and program stored in memory. Cues by track number and index number. Max line output 2 V; headphone output 80 mW; THD at 1,000 Hz 0.003% at -0 dB; S/N > 96 dB; sep > 90 dB; FR 4-20,000 Hz \pm 5 dB; 11.5 lbs; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{32}$ " H x 13 $\frac{1}{32}$ " D \$600

SL-P2/P2K Compact Disc Player

Drawer-loading CD player with 22-function remote control. Features 3-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, and program; headphone jack with adjustable level. Cues by track number and index number. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, and program stored in memory. Max line output 2 V; headphone output 80 mW; THD at 1,000 Hz 0.003% at -0 dB; S/N > 96 dB; sep > 90 dB; FR 4-20,000 Hz \pm 5 dB; 11.5 lbs; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{32}$ " H x 13 $\frac{1}{32}$ " D \$500

SL-P1/P1K Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, and program; headphone jack with adjustable level. Displays current track number and elapsed time of current track. Cues by track number and index number. Max line output 2 V; headphone output 80 mW; THD at 1,000 Hz 0.003% at -0 dB; S/N > 96 dB; sep > 90 dB; FR 4-20,000 Hz \pm 5 dB; 11.2 lbs; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{32}$ " H x 13 $\frac{1}{32}$ " D \$400

SL-PJ1 Compact Disc Player

Drawer-loading CD player. Features 3-beam laser; programming of 15 tracks in random order; sound audible during FR and FR; skip forward; skip back; cancel; repeat track, disc, and program. Displays current track number, elapsed time of current track, remaining time on disc. Max line output 2 V; headphone output 80 mW; THD at 1,000 Hz 0.003% at -0 dB; S/N > 96 dB; sep > 90 dB; FR 4-20,000 Hz \pm 5 dB; 9.9 lbs; 12 $\frac{1}{32}$ " W x 3 $\frac{1}{32}$ " H x 12 $\frac{1}{32}$ " D \$300
SL-PJ91. Same as SL-PJ1 except in black. \$300

SL-XP7 Portable Compact Disc Player

Top-loading CD player can be used with home system or, with optional carrying case (below) and headphones, as portable. Features 1-beam laser; programming of 15 tracks in random order; sound audible during FF and FR; skip forward; skip back; cancel; repeat of disc or program; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, or program stored in memory. Includes AC adaptor and cables for use with home stereo system. Max line output 2 V; headphone output 80 mW; THD at 1,000 Hz 0.006% at -0 dB; S/N > 90 dB; sep > 90 dB; FR 4-20,000 Hz +0.5/-1.0 dB; 1.3 lbs; 4 $\frac{1}{32}$ " W x 1 $\frac{1}{4}$ " H x 4 $\frac{1}{32}$ " D \$300
SH-CDB7. Carrying case for SL-XP7 with rechargeable NiCad batteries allows for use as portable. 3 hours playing time. Charges in 8 hours with AC adaptor. 5 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ " x 5 $\frac{1}{32}$ "; 1 $\frac{1}{2}$ lbs \$50

CD 440 Compact Disc Player

Drawer-loading CD player with random programming; display of track, elapsed time; fast forward; fast re-

verse; skip to start of current or next track; 1-beam laser; 16-bit linear D/A converter. Power consumption 17 W. 8 lbs \$199

XR 40 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 8 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; repeat track, program; headphone jack with adjustable level. Displays current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory. Cues by track number. Max line output 2.0 V; headphone output 0.5 V; THD at 1,000 Hz 0.003%; S/N 96 dB; sep 90 dB; FR 20-20,000 Hz \pm 1.0 dB; 10.6 lbs; 16 $\frac{1}{16}$ " W x 3 $\frac{1}{16}$ " H x 12 $\frac{1}{2}$ " D \$499
XR U11. Same as XR 40 except unit is 380 mm wide \$499
XR U22. Same features and size as XR U11 except a two-drawer unit that can play two Compact Discs \$599

VCD-800 Compact Disc Player

Drawer-loading CD player. Features three-beam laser; programming of 15 tracks in random order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; displays current track number, elapsed time of current track, program stored in memory. Cues by track number, index number. Max line output 2 V; THD at 1,000 Hz 0.01%; S/N 90 dB; sep 80 dB; FR 5-20,000 Hz \pm 0.5 dB; 11 lbs; 17" W x 3 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D \$350

CP400 Compact Disc Player

Drawer-loading Compact Disc player with full-function infrared remote control. Features 2-motor disc rotation and tracking system with full-logic microcomputer control; display of elapsed and remaining time, current track, next 2 tracks; programming of up to 10 tracks in random order; intro scan; repeat of any track; skip forward and skip back; fast forward and fast reverse; headphone jack with adjustable output. \$600

CD-2 Compact Disc Player

Drawer-loading CD player with 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 12 tracks in random order; display of current track number, elapsed time of current track, elapsed time of disc, remaining time on disc, program stored in memory; sound audible during FF and FR; skip forward; skip back; cancel; repeat track, disc, phrase, program; cue by track number, index number; infrared remote control. Max line output 2 V; THD at 1,000 Hz 0.0015% at -90 dB; IMD 0.0015%; S/N 95 dB; sep 90 dB; FR 3-20,000 Hz \pm 0.5 dB; 11 lbs; 17 $\frac{1}{4}$ " W x 3 $\frac{3}{8}$ " H x 11 $\frac{1}{4}$ " D, black or silver finish \$599

CD-3 Compact Disc Player

Drawer-loading CD player with 3-beam laser; digital filtering (resampling frequency 88.2 kHz); programming of 9 tracks in random order; display of current track number, elapsed time of disc, program stored in memory; sound audible during FF and FR; skip forward; skip back; cancel; repeat track, disc, phrase, program; cue by track number, index number; 12-function remote control; headphone jack with adjustable level. Max line output 2 V; headphone output 0.16 V; THD at 1,000 Hz < 0.002% at -0 dB; S/N 100 dB; sep > 90 dB; FR 3-20,000 Hz +0.5/-1.0 dB; 9 lbs, 11 oz; 17 $\frac{1}{4}$ " W x 3 $\frac{3}{8}$ " H x 11 $\frac{1}{4}$ " D \$499
CD-37. Similar to CD-3 without remote control \$449
CD-X2. Similar to CD-3 without remote control, phrase repeat \$299

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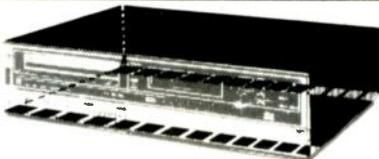
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