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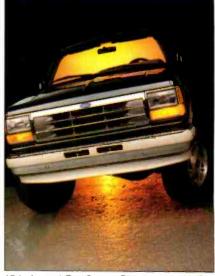
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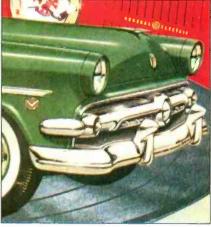
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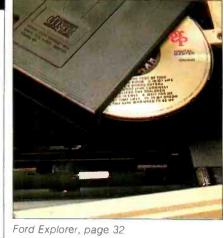
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Nº 30

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WHAT'S NEW



Sherwood Cassette/ Receiver

Four amplified outputs (at 25 watts per channel) and four preamp-level outputs allow Sherwood's XR-4814 to be used as a self-contained system or with external amps. It can also control a CD changer. The tuner section has five AM

and 15 FM presets and can automatically store the five strongest local stations. The cassette section has Dolby B NR, a dual-azimuth tape head, music search, and auto-reverse. For security, a small section of the control panel can be removed. Price: \$300. For literature, circle No. 100



Kenwood Cassette/ Receiver

The KRC-640's tuner section has 24 FM/AM presets with six-station automatic entry and a Priority Radio Preset (PRP) button that recalls a preselected station instantly, even during CD or cassette play. The amplifier section delivers 15 watts per channel into each of four 4-ohm speakers, or 25 watts per channel into a single pair of speakers, all at 1% THD over a bandwidth of 30 Hz to 20 kHz. It can also be used to control a Kenwood CD changer. Price: \$349. For literature, circle No. 101



Clarion In-Dash CD/Receiver

The CD section of Clarion's 5770CD features dual one-bit, bitstreamtype, D/A converters plus such conveniences as intro scan and memory features which can resume play at the exact spot where play left off or at the beginning of the last track played. The amplifier section delivers 27 watts into each of its four channels. The most frequently used control buttons are raised and located along the outside edge. An audio mute is triggered when a cellular telephone is in use. The unit is removable. Price: \$499.95. For literature, circle No. 102



Gold Line Third-Octave Analyzer

The DSP-30 portable real-time analyzer from Gold Line offers display scales of V₄, V₂, 1, 2, 3, 4, or 5 dB per step, plus the ability to scroll the display up or down through an 85-dB window. It can

also display reference and current SPL levels digitally. Signals can be displayed in average, peak, or peakhold mode, and curves in For literature, circle No. 103

the six memories (expandable to 30) can be summed or subtracted. Filter sharpness is selectable from the built-in keypad. Both line and microphone inputs are built in, and an electret microphone is supplied. The unit is powered by 8 AA batteries. Options include ports for a computer printer, RS-232 serial data link. oscilloscope, or CRT monitor, as well as extra nonvolatile memories. Price: \$1,500; RS-232 port, \$315; printer port, \$250; additional memories, \$125.

Sennet Powered Subwoofer

Rated at 20 to 250 Hz, Sennet's SC-80 "Sonic Boom" powered subwoofer

has a compact tube enclosure designed for trunk or hatchback mounting in cars, or in vans. pickups, or boats. The woofer driver is an 8-inch, long-throw design, with crossover frequency selectable at 120 or 250 Hz. The amplifier section delivers 45 watts. Price: \$120. For literature, circle No. 104



Celestion Subwoofer

Among Celestion's first entries in the car stereo market is the AD 12 subwoofer. The speaker is designed for use in infinitebaffle and compact vented enclosures and has a professional-grade cast alloy basket frame and a 3-inch, high-temperature voice-coil. The 12-inch speaker will handle 600 watts with a sensitivity of 94 dB for 1 watt at 1 meter. Price: \$279. For literature, circle No. 105

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AUDIO/MAY 1992

7

BEHIND THE SCENES

BERT WHYTE

NOW, THEN

ost people are aware that a Silver Anniversary marks a span of 25 years, a Golden Anniversary is 50 years, and a Diamond Anniversary (sometimes called a "Diamond Jubilee") is 75 years. But how many know that the social arbiters of etiquette have decreed sapphire as the celebratory gem for a 45th anniver-

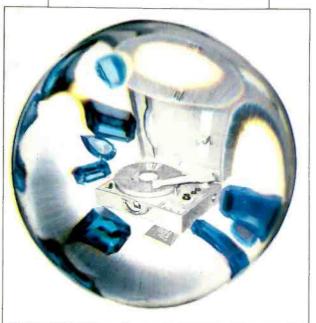
sary? Since this May issue of *Audio* marks our 45th anniversary, perhaps we should have emblazoned the front cover with a giant "blow-up" of a sapphire stylus! However, since a phono stylus is an artifact of what is now regarded by many as an archaic technology, perhaps it would be inappropriate for a publication that has chronicled the cutting edge of audio technology for 45 years.

As has been noted many times, 1947 can roughly be reckoned as the beginning of the hi-fi era and what has evolved into our present audio component industry. In that May 1947 first issue of *Audio Engineering* (which was our title then), there were articles on square-wave analysis and IM testing and com-

ments on the Altec 603 loudspeaker (raw driver of course). There was a new Fairchild cutter-head, with response from 30 to 8,000 Hz and two new wire recorders! One Edward Tatnall Canby was reviewing monophonic 78-rpm records. Primitive stuff by today's standards, but of keen interest to the basically engineering-oriented readers of our first issue. It was several years before the engineering types who read Audio were joined by everincreasing numbers of what became known as "hi-fi nuts." In retrospect, it was those often-maligned nuts or "bugs," whose zealous pursuit of higher fidelity in the reproduction of music established the foundations of the audio component industry.

The advent of the LP vinyl disc in 1949 really spurred the growth of the hi-fi business, and the ongoing advances in audio technology brought ever-higher quality of sound reproduction. By 1960, the hi-fi business was no longer the sole province of the hi-fi hobbyists, but had become "entertainment electronics." The market had become segmented into "low-fi" massmarket products, "mid-fi," and "highend audio." The latter category was, and is, a sort of proving ground for the most advanced and innovative new audio technology.

By 1972, the audio components in-



dustry was firmly in place and flourishing mightily. Audio magazine had grown along with the industry, and quite understandably, made much of its 25th Silver Anniversary. I wrote a retrospective view of the hi-fi phenomenon in that May 1972 issue, and in another feature, a group of prominent executives in the audio industry were asked to make some prognostications on what the audio scene would be like 10 years in the future, in 1982.

Well friends, this 45th anniversary issue makes it 20 years since those forecasts, but much of what those industry leaders had to say has surprising relevance in today's audio component market. I've culled a number of those predictions that I think are the most interesting and perceptive.

A. J. Hofmann, the president of loudspeaker manufacturer Acoustic Research Inc., observed: "The re-cre-

ation of the ambience of the concert hall through four channels will make slow but steady headway. Once the system and hardware have been settled, there will still be the resistance of the mistress of the house to having four speaker systems in the living room. In my opinion this is the greatest long-range hindrance to universal multichannel reproduction in the home.

"There is room for drastic improvement in TV sound systems, and it is logical that this would be a fertile ground for hi-fi expansion. There ought to be multi-channel high-fidelity TV sound to complement the flat TV screens that will be here."

Hofmann was talking about quadraphonic sound, which

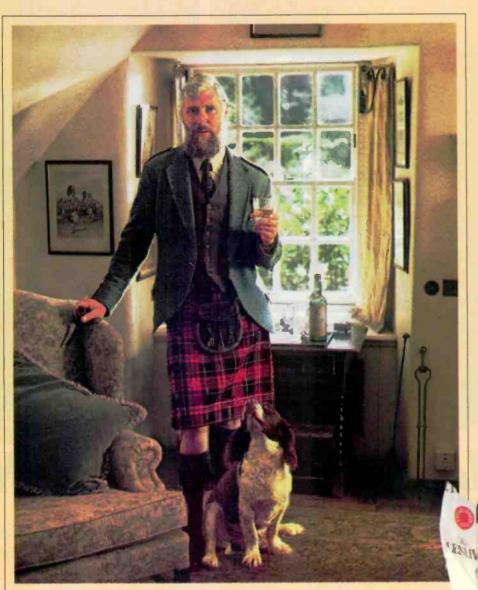
was in vogue then, but obviously, the Dolby Surround home theater of today often encounters the same kind of resistance from the "lady of the house." There are major differences, however, between the quadraphonic layout of 1972, which was pretty much the domain of the audiophile hobbyist, and the Dolby Surround home theater, which, with the visual elements of the TV, is something that can be shared and enjoyed by the entire family.

Joseph N. Benjamin, president of Benjamin Electronic Sound Corp., predicted that "tomorrow's juvenile will be surrounded by sound in his own cocoon (just as the narrator in Anthony Burgess' A Clockwork Orange), and this may demand as much as 12-channel reproduction. This will certainly be available from tape, but possibly from other program sources as well in the future."

Benjamin also anticipated multichannel audio reproduction, although I doubt his 12 channels are practical, or



"If you cannot drink The Glenlivet" the correct way, I beg you to drink some other Scotch."



 Sandy Milne, our Resident Sage.

At the pinnacle of Scotches sit the sing e malt whiskies. Slightly above them sits The Glenlivet, the father of them all.

At this top: ost level of Scotch, there is a ritual to the drinking of it.

"Ice massacres the smooth, mellow taste" says our Sandy Milne somewhat testily. "So, no ice. All you want is a drop or two of water to bring out the 'nose,' or aroma. Spring water, if you've got it. Cool, not cold. And use a fine crystal glass, gently warmed in a cupped hand to release the full bouquet

"Save the ice cubes and big splashes of water for other Scotch," advises Sandy, "where it hardly matters a hoot."

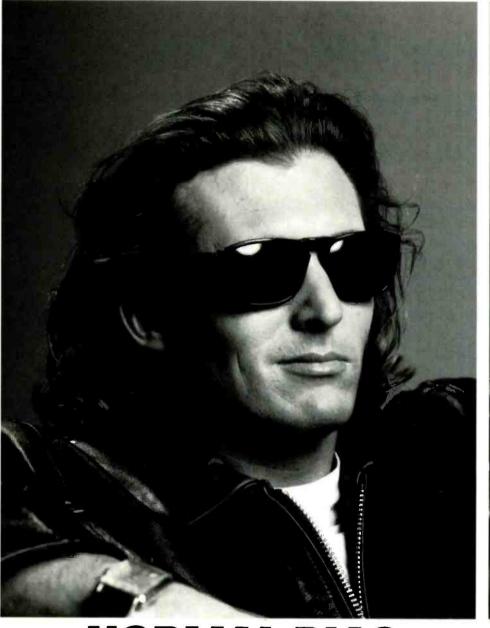
ENLIVET

Sandy Milne sampling the goods

- What is a single malt Scotch? -

A single malt is Scotch the way it was originally: one single whisky, from one single distillery. Not, like most Scotch today, a blend of many whiskies. The Glenlivet single malt Scotch whisky should therefore be compared to a château-bottled wine. Blended Scotch is more like a mixture of wines from different vineyards. The Glenlivet. The Father of All Scotch.

CLENLIVE



NORMAL BIAS

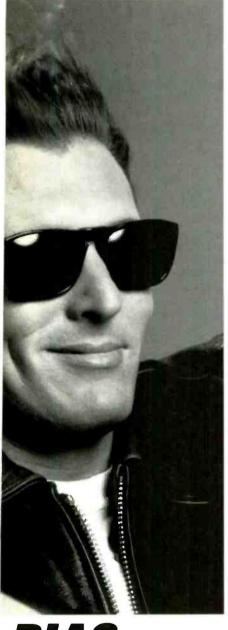


HIGH

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the magnetic coating on any normal or high bias tape, Black Magnetite helps XLII-S deliver higher maximum output levels and a wider dynamic range.

This might explain why CD Review magazine called XLII-S "head, shoulders and torso above the rest"



BLACK MAGNETITE

in their analysis of high bias cassettes.

"You'll know you're hearing something good," said their reviewer, "when your heart leaps into your throat."

That's not normal. That's not high. That's Maxell XLII-S with Black Magnetite.



TAKE YOUR MUSIC TO THE MAX. Our first issue covered primitive stuff by today's standards, but it was of keen interest to the engineering-oriented reader.

even necessary given some of the wizardry possible with digital signal processing.

Simon Sheib, president, Avnet, Inc. commented that "the ability to produce fine equipment, at prices which more and more people can afford, will be the thrust of the next 10 years. A decade ago the general public was just becoming interested in high fidelity. A much larger segment of this public is now interested. Within 10 years, a geometrically larger proportion of the population will discover the pleasures of good sound, as well as the fact that they can afford it."

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Good understanding of Boroque... sensitive handling of ornamentation" -High Performance Review



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P.O. Box 3060 Sar Clemente, CA 92674 USA (714) 498-2770 Avnet owned British Industries, well known for Garrard changers and Wharfedale speakers. Sheib's prediction was right on the mark—audio equipment did indeed become available to a much larger segment of the public, at lower prices. Further, even today's \$399 rack system can reproduce sound with remarkably good quality.

Herb Horowitz, president of Empire Scientific Corp., got right to the point: "There will be four channel and even more channels as high fidelity heads towards the 1980s. Sound will come from all corners of the room, from the ceiling and from the floor. The listener will feel as though he is in a womb of high fidelity.... Video tape is here; video records are just around the corner. Then, we'll blend audio and video; audio-visual effects will be a part of the sound."

Horowitz was also on the multi-channel surround sound bandwagon, but he went so far as to include sounds from ceiling and floor. This, of course, describes the ideal "periphonic" sound of the Ambisonic process I reported on in the March 1992 issue of *Audio*.

Hi-fi pioneer Avery Fisher, president of Fisher Radio, could foresee the "integration of the complete stereo receiver unit in a home electronic control center serving also for paging, security, and TV video recording and playback; the use of Class-D amplifiers in which the operating frequency is between 400 kHz to 1 MHz, allowing a great reduction in power dissipation, the size of heat sinks, and the unit."

Fisher clearly anticipated today's audio-video control centers, but his prediction on Class-D amplifiers has yet to be realized, after abortive attempts by several manufacturers.

RCA Laboratories' Dr. Harry F. Olson, who contributed so much to our understanding of microphones, loudspeakers, and acoustics, sagely observed that "auditory perspective and acoustic ambience are areas in which tremendous improvements in performance will be made."

Olson would be pleased with our current DSP units for concert hall acoustic synthesis.

S. Mabuchi, vice president/engineering for Sony Corp. of America,

By our 60th anniversary, we may have playback of music via "Mega Memory" chips with no moving parts whatsoever!

very perceptively stated that "theater type entertainment in the home is very close to us now, and therefore we cannot neglect the video art when we discuss the future of the audio art. These two arts will go along hand in hand from now on.... I feel very strongly that the ultimate status of the audio art in home entertainment and educational applications relies on a good combination with the visual art. The video equipment should have the best available audio capability. Four-channel audio can create realism of the concert hall. However, if it is accompanied with the visual image of the player of the music or the concert hall, it will add more realism. The reverse is also true; a good visual image with good audio will create more realism than the visual image alone.

Mabuchi's prediction was probably the most accurate, as witnessed by the now well-established concept of Dolby Surround Sound.

I feel it is worth commenting that many of the prognosticators in Audio's 25th anniversary issue anticipated the integration of audio and video. Now in our 45th year, Audio's mission remains the same—the accurate, timely, and we hope, entertaining reporting on all aspects of the art and science of audio engineering and the reproduction of sound. Nonetheless, we recognize the ongoing and increasing interaction of audio with video, and thus we acknowledge an obligation to keep our readers informed on pertinent developments in both fields.

Our 50th anniversary is just five years hence in 1997. I offer my own prognostications on what we might expect: Digital-based HDTV will be in place. LCD projectors will be highly refined and offer high brightness and contrast ratios along with 1,125-line resolution-and all this without visible pixels and with no need for convergence adjustments. Digital signal processing will enable automatic equalization of loudspeakers in any acoustic environment. There will be full, discrete, SMPTE six-channel surround sound available from LaserDiscs on some updated optical/digital format.

By our 60th anniversary, we may even have music playback from "Mega Memory" chips with no moving parts whatsoever! If this is not yet a reality, we may at least be all linked together by fiber-optic interactive networks, with access to central audio-video "entertainment" libraries at the touch of a button.

In these depressing, recessionary times, audio and video equipment might not carry much weight in respect to economic priorities, but there is no denying the solace and therapeutic value of great music and pleasing video vistas!

Just to show you what kind of an optimist I am, it occurs to me that on *Audio*'s 75th Diamond Jubilee, I'll only be 102!

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AUDIO/MAY 1992

13

Vandersteen loudspeakers are priced from under \$700 per pair.

CAN TUBES WARM UP CD SOUND?

How a very old technology can make a brand new compact disc player sound extraordinarily good.

Our new SD/A-490t has a clock that "ticks" 33 million times a second, multi-stage noise

shaping, pulse width modulators and enough other edge-of-the-art circuitry to finally qualify us for entry into the hallowed Compact Disc Techno-Jargon Hall of Fame. But it also includes two vacuum tubes whose classic

design has remained unchanged for over 35 years. Tubes? Those warm glass things that used to glow cheerily through the grilles of old radios and black & white TVs? Yes. In an important circuit

stage that comes after all the digital wizardy. We and many other critical listeners believe that this anacronistic addition to an already excellent CD player design significantly enhances its sound. Read on and decide for yourself.

THE AMPLIFIER THAT DOESN'T AMPLIFY.

Between a CD player's D/A converter and external outputs is circuitry called a buffer amplifier stage. When you hear the word amplifier, you think of something which makes

a signal louder. But that's not a buffer amp's purpose. In fact, contrary to popular lore, a CD player's buffer amplifier doesn't boost the signal strength at all — the final output of a CD player's D/A converter already has sufficient voltage to directly drive a power amplifier!

Instead, the buffer amp is a *unity gain* device which *1) increases output current, and 2) in the process, acts as a sort of electronic shock absorber.

A signal emerging from a CD player's digitalto-analog conversion process has sufficient voltage but insufficient current for proper interaction with a preamplifier or power amp. By acting as a current amplifier, the buffer stage helps lower impedance to a level that's compatible with modern components — about 50 ohms in the case of the SD/A-490t.

At the same time, the buffer stage helps isolate the relatively fragile D/A chip set from the nasty outside world of demanding analog components.

TUBES VERSUS SOLID STATE.

All compact disc players have buffer amplifiers. But more than 98% of them use solid state devices for this stage: either integrated op-amp circuits or discrete transistors.

¹ A handful of hard-to-find, esoteric designs in the \$1200 to \$2500 range employ one or more tubes instead. As does our readily-available \$699 SD/A-490t. For fundamental physical reasons, tubes have different transfer function characteristics than transistors. When used in ultra-expensive, audiophile preamplifiers and power amplifiers, their sound is variously described as "mellower", "warmer", "more open and natural" or simply "less harsh than solid state".

At the heart of these perceived differences are three basic facts:

1. Tubes produce *even*-order distortion (i.e. 2nd, 4th, 6th harmonics, etc.) while transistors create *odd*-order distortion, particularly 3rd harmonics which are less psychoacoustically pleasant.

2. In a buffer stage, a tube acts as a pure Class A device, which is considered the optimal amplifier configuration. Op-amps function as Class A in and Class B out, with potential crossover distortion as voltage swings from positive to negative.

3. Tubes "round off" the waveform when they clip. When over-driven, solid state devices cut off sharply, causing audible distortion.

THE SD/A-4901'S OUTPUT SECTION

Our new CD player uses two 6DJ8 dual

triodes (each literally two separate tubes in a single glass envelope) placed between the digital-to-analog converter and a motorized volume control.**

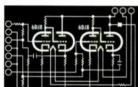
Operated at less than 30% of their maximum capacity, these tubes achieve a highly linear out-

put voltage with very low static and transient distortion while providing very high dynamic headroom.

And because they're "loafing" at 1/3 their rated current capability, the SD/A-490t's tubes are designed to last the life of the CD player without replacement or need for adjustment.

A "LESS IS MORE" DIGITAL APPROACH FOR CLEANER ANALOG SOUND.

It would be pointlesss to have a tube output stage if the digital circuitry which precedes it





first rate. The SD/A-490t uses

Single-Bit D/A circuitry to eliminate a form of exceedingly audible distortion inherent in most current CD player designs, and to provide better signal linearity than ever before.

If you've read current CD player brochures, you've probably stumbled across descriptions of de-glitcher circuits, laser trimming and even 22-bit converters. All these are merely fixes, applied to the same basic kind of D/A converter in an attempt to overcome built-in shortcomings.

In contrast, the SD/A-490t uses a completely new technology which avoids many of the problems that older approaches have struggled to surmount. We'd have to buy a whole section in this magazine to fully explain the differences (if you're interested, call 1-800-443-CAVR for an appropriately long and detailed

brochure), but here's a short synopsis.

Traditional converters require 16 separate reference circuits, each of which must be accurate to one part in 65,536 - but, due to the realities of mass production, rarely are. If they're not "dead-on", an unpleasant form of noise called zero-cross distortion is produced. Because Carver's Single Bit D/A Converter transforms a 16-bit signal into a 1-bit pulse signal array, the "ladder" of 16 ultra-high-precision reference devices is not required: In effect, the SD/A-490t need only manipulate a stream of varying-width on/off pulses instead of having to accurately create 65,536 different amplitude levels at all times.

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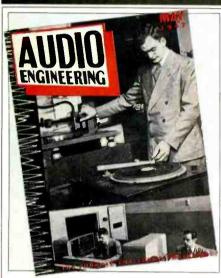
A device which related applies for alternates a signal so have unity gain. In other words, what goes in concerce out anothinger. Or **Remote control variable output is a wonderfully convenient feature, but it would be pointless to eliminate solid state circuitry in the buffer amp stage and then use a solid state circuit for the final gain attenuator. So the SD/A-490t changes volume the old fashioned, physical way: a nice, clean carbon pointiometer, in this case, physically rotated by a small motor. **Source: 1990 <u>Audio</u> Magazine Annual Equipment Diractory.

JOHN EARGLE

IRRF



AN APPETITE FOR AUDIO



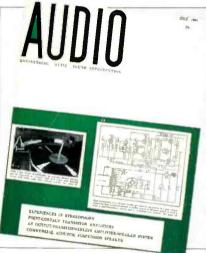
he first issue of *Audio* was published in May of 1947 under the name *Audio Engineering* and it was known by this name until 1954. As a past president of the Audio Engineering Society (AES), I am keenly aware of the fact that C. G. McProud, editor and publisher of the original *Audio Engineering*, offered the magazine as a platform for some of the papers generated for early Society meetings. When the AES initiated its own *Journal* in 1953, *Audio* began a life of its own.

When I went to work for Paul Klipsch in 1956, I became fascinated with his collection of *Audio* issues. With my limited knowledge of engineering at that time, *Audio* proved to be just about the only portion of Paul's vast library I could begin to understand. I stayed many evenings after work just to thumb through them, learning as I went.

In 1958, I enrolled in electrical engineering at the University of Texas and supplemented my GI Bill of Rights by working as an organist/choirmaster. A member of the choir who was also an audio buff had a complete collection of *Audio*. My fascination continued and no doubt contributed to my own career commitment to the field.

In those early days, high fidelity in the home was an esoteric thing. Most people had "console phonographs" made by Magnavox, Philco, General Electric, or RCA, and only true audio buffs had what were called "separates," most of them designed and built by American entrepreneurs. Such brands as Klipsch, Bozak, Acoustic Research, and James B. Lansing dominated the loudspeaker field, while H. H. Scott, McIntosh, and Marantz dominated electronics. And who over 50 can forget Rek-O-Kut turntables and Pickering cartridges? And certainly let's not ignore the gigantic strides made by Emory Cook and Ewing Nunn as they generated new software for the fledgling industry.

Audio was the ultimate buff book (the only buff book for many of those early years), and in it you found articles on construction of home systems, amplifiers, and the like. With the advent of stereo there were detailed articles on cutting heads and the new discs. In fact, when I edited the Stereophonic Techniques anthology in 1986 for AES, I requested that the AES editorial office contact Audio for permission to include five papers from Audio from the '50s.



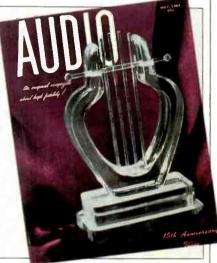
For several years during the '50s and '60s Audio's covers featured a unique installation each month, with copious details in the text. Many of these whetted my appetite, and it wasn't til' many years later that I finally entered that league myself. Imagine reading an article on Sherman Fairchild's home studio in his Fifth Avenue duplex, and ever dreaming that you would own its equivalent in the 1980s!

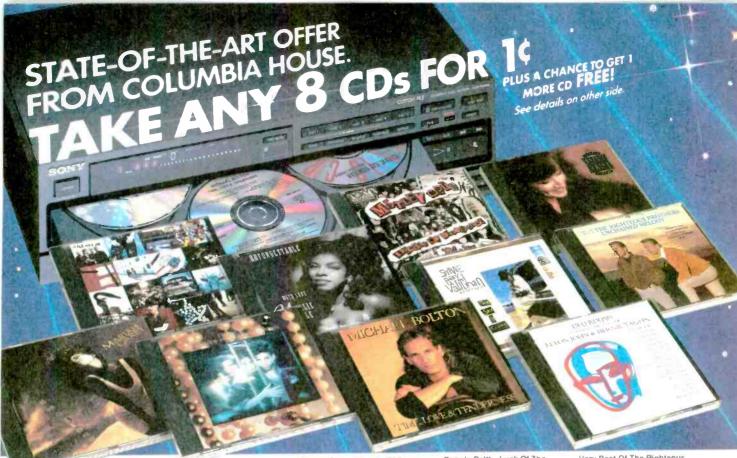
As time passed, the emphasis of the book changed. Stereo had become something for the masses, and high quality sound was within the reach of most people. Product reviews became an important part of the overall picture, and Audio virtually pioneered what we might call the *technical review* for which detailed measurements provided the basis. A major step forward for the magazine in the early '70s was getting Richard Heyser to do the first in-depth loudspeaker reviews the industry had ever known, either in the United States or elsewhere. That tradition continues with Don Keele.

I believe that Audio introduced the first industry-wide equipment directory back in the '50s and it has since become the bible of the industry. The 1991 directory weighed in at 376 pages.

With its predominantly technical background, one might think that *Audio* would favor objective evaluations to subjective ones. Traditionally this was the case, but in recent years the magazine has given both a more equal balance, realizing that there is much that cannot easily be measured. The "Auricle" section has become the vehicle for reviews that go well beyond the technical domain, and the writings of Anthony Cordesman and Bascom King in this important area have been illuminating.

On the subject of writers, no magazine in the field has had so many "long timers" as *Audio*. I was recently thumbing through some issues from the early '70s and found it notable that Bert Whyte has been writing "Behind the Scenes" for more than two decades. Ed Canby's "Audio ETC" goes back perhaps 15 or 20 years earlier, and his reviews began with the first issue. I hope I can stick around as long—and be as relevant as these men.





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THE WAY WE WERE

947-195

t's been 45 years! I regret that early in 1947 I missed a sort of Olympic gold-I was not in our very first issue. (You're always a gold medalist to us Ed, and you were in the first issue, yes, right from the beginning. -E.P.) This month is our 45th anniversary. We appeared in May 1947 under our original name, Audio Engineering. It was the same mag as today and, to my knowledge, never an issue missed since. The "Engineering," clumsy on a cover, was gracefully retired, but not the engineering inside. So we became Audio, surely the first of our sort to extend coverage all the way from the professional out to the consumers of the products and processes we discussed. And towards the music lovers who wanted better sound for their musical ears. That's where I came in.

Let me give you a first-hand memory/feeling for those days, almost two years after the war that left the U.S. unharmed at home but stopped cold. as we had not been stopped since 1865. Reconstruction it was then called. Postwar frustration would be a better word for 1945, and on and on. Continued deep unrest, after the peace. First it had been fear we would be involved, then war itself, the anxious waiting for dismal news-by 1945 we really festered in a way I remember all too well. Too long! We could not remember anything else, and now we wanted the big change, and guick. Anxiety! It had been with us for years and years, going back long before that early crisis in 1938 called Munich. After that, we knew the inevitable in our hearts, and it came.

We have similar feelings of dread today, but we can more easily feel we are exempt. Oh, it could happen here but it's been a very long time. Maybe it won't. No such mild hopes in those years! Things moved much too fast. We still could *wish* that if we just stayed away, even after war began, we might be left alone. But let me tell you, the tension of doubt was reinforced every day, though we denied it. And so life went on as usual. Far into actual war.

In early 1941, I guess, my father got a bright, new, green 1941 Dodge sedan. It really wowed us, so modern and, somehow, so cheery. *Maybe everything will be OK*, it said. It even had the beginnings of an automatic



transmission, a fluid clutch. If you got to a hill, you had to shift manually into second. If you didn't, the car would come to a stop and then gently roll backwards while the engine plugged away forward.

Our next car came along 11 years later. Another Dodge, in 1952. It had half-automatic transmission but otherwise was virtually unchanged. Progress? Hardly. That's what was coming up for us. Peace-and no change. Frustration. Deep and maybe selfish. After all, we lived okay, the fighters were back home, the carnage over. But we wanted, selfishly, a lot more from peace! We wanted RELEASE from anxiety, and we wanted it in worldly goods. So we celebrated V-E Day and V-J Day, almost hysterically, and then slumped right back. No change, nothing new. Not for us at home. Not for those who returned expecting the best. Euphoria melted into despair, as we inched, millimetered, into the time of peace.

Unhappily, the delays hit the American public as just too much to bear. The tensions of waiting so long for the fruits of peace, tensions so long held tight, channelled into worthy causes during war itself, now had no reason. But they stayed on. The status quo was still quo. A dog's age! Why, WHY, couldn't we get going? Selfish of us and unthinking. But the longer the seeming stalemate lasted, the worse did we feel. In times like these, people don't think, they emote. Americans simply would not understand, as consumers, why there weren't instant floods of consumer goods, top to bottom, after such an endless dearth of anything really new and interesting.

Yes, in the long, early postwar years there were itty-bitty bits of progress. Even new cars. But these were 1941 models with new radiator grilles. Such a gut disappointment. I remember the return of metal file cases, instead of wartime wood. *That* was, progress? Big-city trolley cars, brought back during the war, were again retired. Big deal. You could buy toothbrushes. There was unrationed gas—if you still had a prewar car. But who did?

I remind you that during the war the entire broadcast and record industry, base for our audio, was on hold, though operating. That included the just-established FM system, where I found myself working as previously described. The Major, Edwin Armstrong, was on the way to a huge new FM

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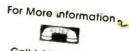
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In 1947, the audio field was suddenly flooded with new records, turntables, new phono cartridges—we were propelled with excitement.

network, to rival the AM powers. He had twisted arms at big electrical outfits to build high-quality FM sets under his direct supervision. There were FM stations blossoming everywhere, right up to the war. He even had two huge super-power FM transmitters built, near New York and Boston, and microwave connections set up. But on December 7, 1941, all this was stopped on a dime. The same for the record industry when the shellac supply for 78-rpm records was cut off. Turn in an old disc for every new one you bought.

When peace came at last, more frustration. Nothing seemed to happen. I was well established in FM, but our hopes went right on being future. Wait, wait, WAIT. Four years of war; then right on, the same. When would we expand? Tension, anxiety, just as it had been in one way or another since the middle '30s. It was a deadly time, coming so agonizingly on top of the years before peace.

As told here already, in June of that sad year, 1946, our FM station expired on practically no notice. I was left minus a career, completely at sea. So were plenty of other 1946 hopefuls. Yes, momentous things were going on behind the scenes, but few of us knew of them. Life just went on and on, downhill with peace. It really was awful, and generally so for everybody. Would we ever get started again?

Then came one of the really extraordinary years in U.S. history-1947. You note the date-our own. It seemed, all of a sudden, that everything burst out-at last. Illusion? Progress is gradual, perforce. But nevertheless, the mood suddenly reversed. Maybe it was just a rising flood of lesser but really NEW items. We looked at them, we began to buy, and we said to ourselves "Maybe the log jam is busted!" As in politics, such feelings feed on themselves. The long, vicious decades of tension ended, it seemed, in minutes. It was incredible. (Though, of course, the planning and tooling up had been going on for a long time before.) Starting with the quickest designs, the fever spread rapidly into more and more complex new products, really postwar, truly innovative if not always successful. We didn't care. It was over. Maybe a dozen years! Children had grown up with it. Now at

last, release. We went overboard. This is from personal remembrance.

In the audio field there was suddenly our own flood. There were new records, of course, turntables, revolutionary new phono cartridges, 10-watt home amps, then quickly the new hiend amps, much superior. It was not yet "hi-fi," this movement, but it was the beginning and did it move from then on!

Right in the middle, our new magazine was born, riding the wave by no coincidence at al. Luckily for us, a mag can be set up faster than a new car model. Audio? It was still an unfamiliar term to most, including myseif, coined to clear the distinction between electrical engineering and electronics for sound. In no time there was an Audio Engineering Society (I am a charter member thanks to our first ecitor) and for a while we were its journal until the AES made its own.

So now you can understand the explosive time into which we projected

our magazine. And the excitement described by others as well as myself in the new world of hi-fi. We hit the nose on the head, as I like to say.

The climax and completion of all this was at last the *really new* cars. The top! The ultimate fulfillment. But we were there first. I was at the first show of the BRAND NEW Ford. Was it 1948¹/₂? 1949? It was stupendous!

By no coincidence, also, the new managing editor of *Audio*, C.G. McProud, listening one day in early 1947 to local radio, heard a program called "The New Recordings," with Edward Tatnall Canby. I had rescued this program from the FM debacle and moved it "live" to the city AM station, WNYC. A phone call from McProud to my new phone nearby, and I was reattached to life and a career. Casually. My memory of our first meeting is mainly the McProud Siamese cats.

One thing leads to another, right? Audio started 45 years ago, and I've been arcund ever since.

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SIGNALS & NOISE

We Sell Subscriptions One at a Time Dear Editor:

I received my first issue of Audio (December 1991) and immediately wondered if I made a gross error in subscribing. I notice from the annual subject index that not one receiver was reviewed during 1991, but in the December issue a tube amp was reviewed that costs more than my entire system of Sony ES components and Klipsch Chorus speakers. (I certainly remember tubes from my Bogen DB 20 days, and those 6L6s warmed my room.) My question is this: Is the lowly receiver below the dignity (whatever) level of Audio to test and review? I am a professional, but I drive a Chevy; reading about Mercedes-Benzes really does not help me. Also, most of us beer drinkers really don't like champagne. Should I ask for a refund of my subscription, or is there hope for us "beer" component people?

Robert E. Wallace Tazewell, Va.

Editor's Reply: Thanks for your wellwritten and thoughtful letter. Ones like yours are fun to answer, even if I do have to admit that maybe we shouldn't have been your first choice in magazines on hi-fi.

Anyway, yes, we do review receivers, but I don't think enough of them to satisfy you. However, it is my "informed" opinion that the same money can be better spent on separates, and it's magazines like Audio that can tell you which brands to look at for Ferrari quality at Chevy prices, i.e., used gear or bottom-of-the product line. Yes, we do tend to review the top-drawer models-so that we can find out about all the features-but you are the one who decides whether you need all that stuff. Also, our top-drawer approach is to help distinguish us from our sister publication, Stereo Review, which does take a more moderate approach, for novices relative to our pro leanings. I think you may be happier with them, if you've budget for only one magazine. On the other hand, you're not a firsttime buyer, so maybe you should educate your palate. . . .--E.P.

Reader's Response: Thank you for replying to my letter. I have decided to stick with your magazine even though I am not an audiophile—meaning that I cannot differentiate the sound of 12gauge from 14-gauge speaker wire. I really do enjoy the technology, but it is only a tool in the pursuit of my first and true love: Music.

As a beer/Chevy person, I do not demean your Ferrari/champagne fellows, nor do I envy you. However, I look forward to being taught that the grass is really greener on the other side.—*Robert E. Wallace*

Manic Compression? Dear Editor:

Len Feldman and Ivan Berger's review of the Delco/Bose Gold Series (September 1991) was good as far as it went, but it failed to call attention to two annoying shortcomings of the Compact Disc player for the Cadillac. I have had two units, the original and its replacement.

First of all, the difference in the audio levels of radio and CD is substantial,

the CD being much louder. Adjustment is absolutely essential before switching from radio to CD! Secondly, when compression is engaged, a fairly loud noise, which might be described as a pop, smack, or slap is heard with the first note of each number on the disc or when switching from radio to CD. Also, staccato notes are unduly accented. Otherwise the system is quite satisfactory, which is fortunate since there are no options once the Delco/Bose system is purchased. If the reviewers did not encounter such problems, the unit may have been improved since I acquired mine.

Warren L. Slagle Knoxville, Tenn.

Author's Reply: I encountered none of the problems Mr. Slagle cites. I can't be sure, at this point, whether I ever switched directly between radio and CD (though I probably did so), but I did use the compression without any problem. —I.B.



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Bias Adjustment Procedure

Q. I recently purchased a cassette deck with fine bias control, three heads, HX Pro, and other features. I am a bit perplexed as to how I should achieve optimum bias adjustment. In the June 1990 issue of Audio, Howard Roberson, in a sidebar to an article about Dolby S noise reduction, mentions using a 10-kHz tone to adjust bias. Is the 10-kHz test tone an acceptable and reliable means of adjusting bias? Is this adjustment affected by HX Pro circuit? Should this circuit be engaged during bias adjustment? Is the 10-kHz test tone from the CBS CD-1 test disc-referred to in many articles—an acceptable source of this test tone?-Thomas N. Snuggs, Jr., Albemarle, N.C

A. Roberson's piece perhaps did not bring out clearly enough that bias adjustment was performed by using both a 400-Hz and a 10-kHz tone of equal amplitude. His sidebar does mention that the deck he tested provides a 400-Hz tone.

Bias is adjusted so that both recorded tones have equal amplitude in playback. The procedure should be used at a level about 20 dB below the deck's 0-VU mark on its record level indicator. The reason for such a level is that the 10-kHz tone is subjected to a good deal of treble boost by the recordequalization circuit, and one wants to make sure that this does not result in tape saturation at 10 kHz, which would invalidate the adjustment procedure.

The foregoing is considered to be a reliable method of setting bias for the particular tape one is going to record. That is, it results in an optimum combination of extended treble response, high signal-to-noise ratio, and low distortion—or at least comes close to optimum. The person equipped with an audio signal generator, harmonic distortion analyzer, and audio voltmeter can probably arrive at a somewhat better optimum. But usually the bias adjustment so derived is only marginally better than that based on two tones.

In theory, the adjustment based on two tones should be made with Dolby noise reduction off, although better results are sometimes obtained with Dolby NR on. The same applies to HX Pro, assuming that the deck gives one the option of turning HX Pro off and on. The wise thing is to try the adjustment both ways, and settle for the method that audibly gives best results, if there is a difference. After adjustment of bias, check whether the program source and the playback sound identical on music or interstation FM noise. It might happen that there is a significant difference between source and playback, whichever method of bias adjustment you employ (Dolby NR on or off; HX Pro on or off). Then the appropriate step would be to adjust bias on the basis of comparing the program source with the playback of that source. If treble seems excessive, increase bias. If treble seems insufficient, decrease bias, but try to avoid going too far in this direction. Some very good authorities find that it is worth a slight drop in treble in order to keep distortion low; decreasing bias is apt to raise distortion.

The test tones employed for setting bias by the twin-tone procedure are supplied by some decks. Alternatively, they can be obtained from a test CD or LP, or from an audio generator.

At the risk of telling you more than you care to know about the subject (although other audiophiles might care), let me add that in the days when open-reel tape decks prevailed, there was a recommended bias adjustment procedure based on a single tone. This, depending on the manufacturer, was usually a tone of 1 or 2 kHz. The procedure was to start with low bias. increase bias until peak output of the test tone was obtained, and further increase bias slightly until output of the tone dropped about 0.5 dB. Accordingly, bias was placed in a region where slight changes in bias would not result in large changes in upper treble response.

If you have a problem or question on tape recording, write to Mr. Herman Burstein at AU-OIO, 1633 Broadway, New York, N.Y. 10019. All letters are answered. Please enclose a stamped, self-addressed envelope.

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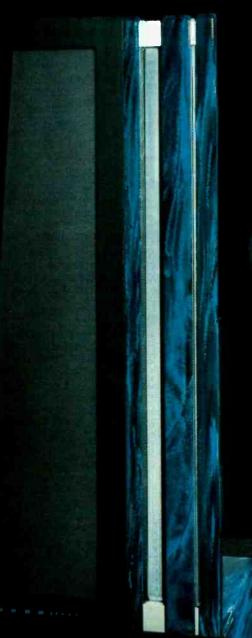
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Power Transformers and Sound Quality

Q. I recently had the power transformer in my receiver replaced because of a low-level "buzzing" noise that it was producing mechanically. The original transformer checked out okay electrically and the receiver had been functioning properly

According to the technician who performed the work, the new transformer is also performing properly Strangely, the receiver now seems, subjectively, to produce deeper and more powerful bass. This improvement is slight, but extended listening has convinced me it really does exist, even though I was not expecting such a change. Unfortunately the improvement stops here because the depth perspective of the soundstage has changed from being rather laid back to a more forward, "in-your-lap" kind of effect. If I back off on the midrange controls on my loudspeaker systems a small amount, the soundstage is pulled back into proper focus, more closely resembling the soundstage that was present before the power transformer was replaced.

If the improved bass response is an indication, it would seem that the new transformer might be more efficient than the old one was Even so, shouldn't the voltage regulation in the power supply prevent any small changes in voltage from reaching the amplifier circuits and perhaps causing problems such as those I mentioned?—Dennis L. Chase New Cumberland, Pa.

A. First, could it be that the quietness of your listening environment occasioned by the new transformer has given the psychoacoustic effect of better bass and altered imaging, and that the actual sonic performance of the receiver is really the same as it was before the transformer was replaced? I lean toward this conclusion because I know for certain that the masking effect of the kind of background "buzzing" you have described can often be considerable.

Second, I wonder if the technician performing the transformer transplant found some other problems with your receiver and took care of them without mentioning this to you Obviously this could account for the sonic differences between "then and now" that you have been perceiving.

As long as the imaging can be made to your liking by a simple adjustment of a couple of controls, you don't have a problem. I find it difficult to believe that the original transformer should have a significantly different d.c. resistance from the new one. Of course, if the original unit had a higher d.c. resistance than the new one, the receiver's power bandwidth would be increased.

Replacing Audio on Videotapes

Q. Is there a way to record, or dub, music onto a previously recorded videocassette? Can it be done without losing the original video portion of the program? If it can be done, please tell me how and what equipment will be needed — Pansy Caldwell, Moody. Tex.

A. The linear audio track or tracks that run along the edges of VHS tapes can be replaced easily. HI-Fi audio tracks, which are recorded as FM signals mixed with the video, cannot, except by recopying the entire tape. However, VHS HI-FI VCRs always have linear audio as well.

IDIOCI

Many VCRs have audio dubbing switches that let you overdub a tape's linear aud o track while watching the picture to see where you are. Unfortunate'y. I see fewer and fewer new machines that have this feature. If your VCR doesn't have it, see if a friend's VCR does, and redo your soundtrack at his house.

In the case of a Hi-Fi tape, recopying it in order to make a new Hi-Fi track will give you the greatest audio fidelity and will let you record in stereo. (Most Hi-Fi VCRs have only monophonic linear tracks.) However, the picture quality of your copy will suffer.

If you have a problem or question about audio, write to Mr. Joseph Giovanelli at AUDIO Magazine, 1633 Broadway, New York, N.Y. 10019. All letters are answered. Please enclose a stamped, self-addressed envelope.

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CARS, KARAOKE, AND DOUBLE DIN



DADSIGNS

IVAN BERGER

A Somewhat Different Country Car stereo has always been a bit different in Japan. A decade or so ago, fancy Japanese car sound systems used multiple components separate tuners, tape decks, amps and equalizers—with separate controls, as home systems do. The ergonomics were nightmarish, but from what I've seen, Japanese drivers spend even more time sitting still in traffic than we do, which gives them plenty of opportunity to find whatever controls they want to operate.

Modern cars leave no room for such set-ups, but many Japanese cars and a few U.S. trucks and vans have double-DIN stereo slots, and many double-height head units are available. At least three companies (JVC, Pioneer, and Sanyo) now offer them over here as well, and Panasonic sells one in Europe.

In the most recent issue I've seen of Japan's Auto Sound magazine, I note still other differences: Installations are shown in such cars as the Toyota Soarer, Mazda Sentia. and Eunos Presso, which are not available here, at least under those names. In-car video systems abound. Diagrams of DSP systems show the driver sitting in the right-hand seat. Sing-along fans in Japan have been able to get car karaoke for a while. Now it's available in the U.S., too, as part of Pioneer's FH-M75 double-DIN head unit and as a Sanyo-built tape player, the PAT-C10, available from Zenasia in Carson, Cal. Both units have circuits that cancel out the center signal, eliminating most vocals, so you can sing along with the records of your choice instead of needing special karaoke recordings. The Pioneer unit also has a safety alarm that can wake the driver at preset intervals. The Zenasia unit. which can also be used at home, has pitch control to bring the music more into your vocal range, and an echo circuit (de rigeur for karaoke systems in Japan).

I suspect car karaoke will catch on here quicker than regular karaoke will, since Americans are probably less inhibited about singing in the privacy of their cars than about singing in public. (Even the Japanese, however, seem to need a little loosening up before picking up a mike—karaoke is most popular in bars, there.)

The installations shown in Auto Sound are slick, but pretty much in the mold of good custom installations anywhere. I did, however, notice a Nakamichi changer built into the back of a Porsche 928 hatchback's rearseat headrest. The passenger in the other rear seat can reach it to change disc magazines—and the driver can, too, when the seat is folded forward. Of course, that highly visible changer would be a magnet for thieves in a less law-abiding country than Japan.



So would the amplifier shown proudly mounted on a car's rear package shelf in a Bose ad.

A Bose ad? Yep. Bose is active in the Japanese car audio aftermarket, selling equipment you don't see in the U.S. And Japanese equipment that you do see here is likely to be sold there under such names as Excedio, Carozzeria, MacAudio, and AddZest.



Answered Prayer

Most of the controls on my Merkur Scorpio (actually a European Ford) are rocker switches with a pleasantly intuitive touch-coding system. The end of the rocker with the projecting bump turns things on, turns them further on, or raises them; the end with the matching dimple does the opposite. This is an international standard on Ford products—in the U.S., the Ford Taurus, Mercury Sable and Lincoln Continental use it, too. One day, I noticed the same system at work in an Oldsmobile. "Aha!" thought I, "If it's this close to universal, car stereos should also use it." The next day, some visitors from Blaupunkt showed me that it already was in use, at least on some of their models. On the Philadelphia SQR 49 shown here, for instance, the code is out for up or fast forward, in for down or reverse. The Blaupunkt New York uses this coding, too, but only on one rocker switch.

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CAMBRIDGE SOUNDWORKS

Calling All Cars

Perhaps it's appropriate that this idea comes from a Detroit-area audio club, the Southeastern Michigan Woofer and Tweeter Marching Society. A contributor to the Society's newsletter suggested the following "subjective evaluator's criterion":

"Take your vehicle to a quiet spot, crank up the stereo, and see how many squad cars come to investigate. The more cars, the better the system."

Buy in the Sky

Ever wish for a way to jot a record's name down on your shopping list when you hear it played on your car radio? By 1994, you may be able to do better than that-and order the record as you drive. A company called RadioSat hopes to have a satellite-to-car radio service up by then, with voice interaction. You'll not only be able to get the programming you wish merely by saying "Jazz" or "Classical" to your radio, but will be able to mail-order records and other merchandise as you drive. Judith Gross, writing in the trade journal Radio World, points out that stations will also be able to use RadioSat to poll listeners on their opinions of new records.

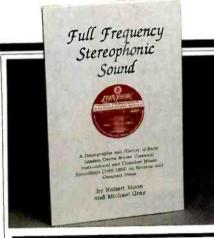
Fan Club

30

With the growing emphasis on the cosmetic aspects of car stereo installation, amplifiers are increasingly often buried in hidden compartments. where ventilation is scarce. As a consequence, more and more manufacturers are building inside-out amplifiers, with their heat-sinks buried in a tunnel through which air is driven by a built-in fan. Concord, Harman Kardon, Orion, Proton, Rockford Fosgate, and plenty of others make such amps. And for those who already have amps with external heat sinks, dB Speakerworks, of Shreveport, La., has a line of Amp Cooler enclosures with built-in fans. The units range from \$140 to \$200, depending on their size and number of fans, and their amplifier compartments have carpeted floors and transparent covers to show off the amps insidethe cosmetic emphasis, again.

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THE BOOKSHELF



Full Frequency Stereophonic Sound by Robert Moon and Michael Gray. Softcover, 83 pp., \$25. Available from Moon at 349 Ellington, San Francisco, Cal. 94112.

This book is subtitled A Discography and History of Early London/Decca Stereo Classical Instrumental and Chamber Music Recordings (1956-1963) on Records and Compact Discs. While private printing for a limited readership is expensive, the \$25.00 cost of this book is far too much.

The section titled "FFSS and How It Grew," by Michael Gray, gives valuable information on the history, sequence, and people associated with Full 'Frequency Stereophonic Sound and Full Frequency Range Recordings. The writing style seems a bit convoluted, making the historical sequence a bit difficult to follow, but a second reading makes it clearer. Throughout the book, abbreviations and terms such as "outriggers," which may be unfamiliar to the reader, should be clearly defined when first used rather than by usage later in the text.

The section titled "Stereo and the Modern Orchestra," by Ivan March, is confusing until one reads, at its end, that it is a reprint from 1961. For clarity, this should have been stated at the beginning of the section. The same applies to "Reverberation and Microphone Placing for Stereophonic Recordings"—a reprint from 1963.

The remaining sections, probably mostly by Robert Moon, although this isn't clear, are devoted to record ratings, reviews of "The Best Records," artists, Compact Disc reissues, and label and pressing information. Record reviews, in general, have a large subjective element, and these are no exception. While listeners may disagree

with some of the opinions, the reviews and ratings are done in a logical straightforward manner, offering helpful insights for the critical listener of these hard-to-find and sought-after early LPs. No recording dates are given in the ratings section, and, as indicated by the subtitle, none of the many excellent opera recordings of the era are covered. Also, some of the abbreviations used in the rating chart, while defined in the previous text, should be clearly restated in the symbol definition section for readers not familiar with these terms.

The "Best Records" section gives the author's opinion of why the recording is outstanding, both technically and artistically, and does include recording dates. The opinions can help the collector be on the lookout for items considered by many to be especially noteworthy. The artists section gives brief biographical comments and touches on the relationship between artists and the early recording engineers. I found the material on Ernest Ansermet, who spans the full range of conducting on records from acoustic 78s to stereo LPs, especially interesting. The "Labelography" section gives seven black-and-white examples of the labels discussed

As discography, this book is a good beginning for those devoted to these early stereo recordings, but it is far from complete. It should be expanded to include more recordings, especially opera and vocal. As history, the book is also a good beginning, filling in some mostly blank pages. It is tantalizing not only in the outline that it gives but in the wealth of material that it leaves out. While the historical relation-, ship to Mercury's Living Presence recordings is mentioned, more information on these as well as other quality recordings of the time, such as the mono Westminster Laboratory Series (extraordinarily advanced for their time), would be useful. Perhaps Gray's upcoming book on the history of this era will fill in the details. I cannot help but feel that for \$25.00, the reader should get more than good beginnings. A second, enlarged and revised edition of the present book is to be hoped for and, if sold at a more moderate price, should appeal to a much wider readership. Michael R. Lane



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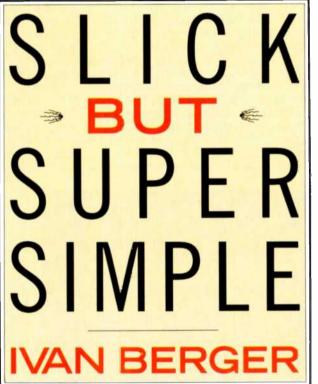
"I wanted a warm-sounding system that looked stock—as inconspicuous as possible. And I wanted to maintain all the Explorer's cargo space," says the owner of this '92 Ford Explorer. Rick Trover, of Crusin' Music in East Hanover, N.J., obliged with the slick but simple system you see here. All that remains of the Explorer's stock sound system is the FM/

AM antenna. The stock head unit was replaced by a \$600 Alpine 7618, which also controls a compact Alpine 5959 six-disc CD changer (\$850) neatly tucked into the center armrest.

The main speakers are two-way Polks: MM 3055 systems (\$349.95 per pair), with 51/4-inch woofers, in the front doors, MM 3065s (\$369.95), with 61/2inch woofers, in the back doors. The back doors were used because there's no rear parcel shelf to hold the speakers, but this also gives better imaging to

rear-seat passengers. A custom, sealed enclosure, of about 1 cubic foot, holds the two Kicker Competition C-6.5 woofers (\$75 each) in the back.

The amplifier, a Phoenix Gold MQ430 (\$599.95) is mounted under the rear seat. Though its four channels are rated at only 30 watts apiece into 4-ohm loads, it's actually



delivering a bit more. The subwoofers, wired in parallel to make a 2-ohm load, are wired across the hot terminals of the two rear channels (with a \$50 PAC passive, 80-Hz low-pass filter ensuring that the subwoofers only woof). According to Phoen x Gold, the amp should be able to deliver about 100 watts from the rear channels in that configuration.

> A VSE Stealth Plus alarm stands watch over it all. Other non-audio electronics include a Bel 932R radar detector (\$279.95), and a Pioneer PCM 300 cellular phone (\$595) with a Hirschmann roof-mount antenna (\$125). The wiring consists of Phoenix Gold speaker cables and tripleshielded interconnects. plus Monster power cables. Trover states Crusin' Music's labor bill at \$2.000.

> The system's sound has the desired warmth, with deep, tight bass you might not expect from such small

woofers and such a moderate-sized amp. There is a hole in the middle of the image with the fader control cranked to yield a forwardimaging stereo stage, but that's not at all surprising in a car of the Explorer's width curing that with a center speaker would have simply been incompatible with the stock look of the system.

PHOTOGRAPHS: © BILL ASHE



Alpine's 7980 puts a CD changer in the dash.

> his year's Winter Consumer Electronics Show made two things plain about car stereo: We're headed for a thoroughly digital world—but we're not there yet. The trend towards digital was made clear in many ways. For example, much of the rise in sales of in-dash CD players is accounted for by sales of players with built-in amps. This means CD's appeal is broadening to people who don't install fancy, multi-amplifier systems. (It may also help that many new self-amplified head units, both tape and CD, deliver about 25 watts per channel instead of



Nakamichi's new changers are hermetically sealed for isolation from trunk-mounted speakers. the 4 to 10 watts that buyers of in-dash players formerly were stuck with.) Changers are getting more compact, so they can move out of trunks and into passenger compartments. Sony has shrunk its 10-disc changers to the size of earlier six-disc models. New, smaller models from Panasonic (the CX-DP60, $25_{\rm H}$ in. × 11 in. × $61_{\rm Z}$ in.), Denon (the DCH-700 (2 in. × 10 in. × 7 in.), and others can fit into some armrests and glove compartments, or under seats. Denon's can even fit a DIN opening, though few DIN radio slots can ac-

IVAN BERGER

commodate its 10-inch depth. Alpine's 7980 in-dash model includes not only a tuner but a three-disc changer, yet fits a standard DIN slot (albeit with a separate, remote subchassis for its tuner circuits). The Alpine only holds three discs at a time, but if it's within reach, that's no problem.

Winter CES

Sacrificing compactness for capacity, JVC introduced its XL-MG1800, which holds three, six-disc magazines, enough for more than 22 hours of play if you pick long CDs. If that's not enough, you can control six of these changers from JVC's KS-RG7 or KS-

> RX770 cassette receivers or KS-RM18 controller unit, and play music 'round the clock for more than five full days or nights! For that matter, Sony's UniLink control system now allows the use of a single controller for 10 of its 10-disc changers. (I suspect that only yacht owners will exercise these monster options.) On a more modest scale, two of Audiovox's CDC-700 changers can be linked to make a 20-disc system.

> Changer manufacturers are growing more aware of automotive installation and operating problems. Every changer I know of can be operated either lying flat or facing up, and Clarion's compact new 6201CD (only 2% in. thick) can be set up for any mounting angle within a 120° range. (The Clarion also uses a single cable for all signal, control, and

power connections, making installation easier.) To minimize the effects of road bumps, Clarion, Kinergetics, Sanyo, Nakamichi, and Yamaha (among others) have oil-damped suspensions. The Acoustic Isolation System on Nakamichi's 100cdc and 100cdc/i changers includes not only a triple suspension but a hermetically sealed housing to ensure that the CD and laser won't be shaken by pressure waves from trunk-mounted speakers,

The difference between the two Nakamichi models is that only one, the 100cdc/i, has a

et Sounds



built-in D/A converter. The other requires an external one. Several are available: Nakamichi introduced a stand-alone D/A unit (and a changer with both analog and digital outputs) last year; this year Soundstream is introducing one designed by Krell, Coustic will have one designed by Kinergetics, Kinergetics will have one of its own, as will Alpine, Blaupunkt, and Eclipse.

A glance at the "CD Changer" category in our Car Stereo Directory section (being compiled as I write this) shows other converters. The Kinergetics and Coustics units are one-

bit designs with Class-A balanced analog sections and three digital inputs (two coaxial, one fiber-optic). Soundstream's Krell design is a hybrid, feeding the upper 10 bits from its 18-bit filter to a ladder converter and feeding the lower eight bits to a one-bit converter circuit. Naturally, all these companies and more are offering changers with both digital and analog outputs. The Eclipse ESD-510 and Soundstream CD308 in-dash CD players will also have both types of output.

Fiber-optic connections are more

common in car components such as these than in home components, to eliminate potential pickup of interference from the car's electrical systems. They'll grow more common yet, as systems tend toward the totally digital. Sony's Mobile ES system, introduced last year, is a case in point. It has no audio equipment in the dash at all, just a display and control unit for a suite of trunk-mounted components that include one or more CD changers, an FM/AM tuner with diversity (dual front-end, dual-antenna) reception, amplifiers, and two digital signalprocessing (DSP) units. The first of these, the XES-P1 provides digital sound-field con-

trol, six-band parametric equalization, and nine-step dynamic-range compression; up to 10 combinations of these settings can be memorized for instant selection or automatically linked to individual CDs in the changer. The second DSP unit, the XES-X1, is a digital crossover that provides nearly infinite crossover slopes without phase shift, plus digital time delays to compensate for speaker placement problems in the car.

Alpine's new Digital Link systems are similar in concept, if slightly less elaborate. The "Digital-Pure" version includes a controller Blaupunkt's Las Vegas incorporates a cellular phone and a tuner that can receive RBDS datacasts over the air.

Sanyo D²SP-01 DSP unit.



(the 1310) with trunk-mounted tuner mcdule, a CD changer, and the Model 3681 multiinput crossover with digital time correction, plus amps. The Model 1310 controller has a detachable front panel for theft protection, and includes a memory that holds the first

Car stereo is definitely digital world—but there is still



Sony's Mobile ES system was a major first step towards the all-digital car stereo system.

Coustic's DA-55 D/A converter is designed by Kinergetics. few seconds of music from each CD currently in the changer, so you can scan through your discs without waiting for, or putting wear on, the changer. Its tuner section, which features ID Logic (more on that later), can be mounted in the trunk, eliminating all analog audio gear from the passenger compartment. The "Digital Interactive" version optionally substitutes the Model 7618 head unit for the 1310, and substitutes the Model 3362 crossover and DSP unit for the Model 3681. The Model 3362, designed for dashboard mounting, has ambience circuits and separate nine-band equalizers for front and rear plus a center-channel output and a digital subwoofer crossover fixed at 80 Hz. Both the 3681 and 3362 have one analog and three fiber-optic digital inputs apiece.

Combining digital ambience and equalization, as Alpine's 3362 does, is an inevitable trend. Pioneer's KEX-M900 (Audio, Dec. 1991) head unit was about the first component to combine the two, followed closely by such signal processors as Clarion's DSP 959 and Yamaha's YDSP-1. Now Sanyo has joined in with its D²SP-01 (which has a 40watt center-channel amp), Denon with the DCX-100 (which combines DSP with a D/A converter, a tuner, a changer controller, and a subwoofer crossover, plus A/D conversion for its two analog inputs), and Eclipse with the EQS-2000 DSP (which uses a remote microphone to adjust both sound field and EQ). The Eclipse's built-in EQ has three bands for the front of the car and four for the rear, but adding the EQU-8040 equalizer module increases this capacity to five parametric and seven graphic equalizer bands apiece for front and rear

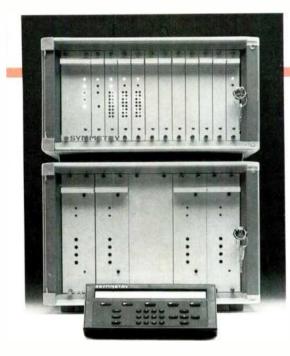
Of course, you needn't go all-digital to confine the working parts of a stereo system to the trunk. Rockford Fosgate's Symmetry components-actually large circuit cards that slide into card-cage racks-will soon include an FM/AM tuner whose presets can be scanned by program format, as well as CD changer control, amplifiers, crossovers. user-set equalizers, and a DSP equalizer that checks speaker output with a microphone, then adjusts each speaker's signal for flat response. With this setup, the only thing that need be in the passenger compartment is the controller, the Remote Digital Access Terminal (RDAT for short, a name bound to cause confusion). Other signal sources can be hooked in via external modules that convert their outputs from unbalanced to balanced and raise their levels to about 30 V, to combat interference. The only digital parts are the controller, the DSP card, and a device controller with eight (optionally 16) relays that can be made to turn things on and off in programmed sequences at preset times.

Digital circuitry is also responsible for a number of systems that let you find radio stations by program formats. The simplest of



these to implement are systems that let you enter your favorite stations and their program formats into memory. Besides Alpine's Model 7618 (with memories for 54 stations) and Rockford Fosgate's forthcoming Symmetry

neaded for a thoroughly



tuner, you'll find this on Clarion's new CAL-1000 (with memories for 60 stations) along with a built-in cellular phone and CD changer control, Blaupunkt's Las Vegas, due late this year, also has cellular phone and changer control, but its tuner will use a system called RBDS, which identifies station formats through digital subcodes in their broadcasts. And the Alpine 1310, mentioned earlier, uses an updated version of the PRS ID Logic system, that lets you find the station format of your choice, almost anywhere in or near the U.S., through an automatic scan of a built-in database of North American stations. (Panasonic's CQ-ID60, also with ID Logic, is reviewed elsewhere in this issue.)

The Radio Broadcast Data System (RBDS) is the North American version of the RDS system now used in Europe. With this system, stations broadcast digital data packets on an FM subcarrier, conveying such information as station call letters, location, and program content, as well as traffic and emergency information, paging services, and other codes. In Europe, "linking codes" let tuners replace fading signals by seeking out nearer stations carrying the same program; here, where network radio has largely disappeared except for National Public Radio and some news and sports, the chances of finding such a station would be slim.

The trouble with RBDS is that most stations won't adopt it until a lot of radios can pick it up, and people won't look for such radios until RBDS is on the air; it's taken Europe about seven years to attain widespread

a way to go.

adoption. The ID Logic system is less versatile (no paging, no emergency or traffic info, and no ability to follow hour-by-hour changes in station programming), but it works on AM (RBDS is FM-only), it works right now-and it works better all the time. For example, the version in the Alpine 1310, in addition to the six station-format selector buttons on our Panasonic, has a seventh that the user can program for any one of another 18 formats stored in the ID Logic chip. Pierre Schwob, the inventor of ID Logic, has found a way to make it take advantage of RBDS. The current ID Logic system allows users to update a few stations manually as station formats change; Schwob's proposed ID Logic B system would update itself automatically, from information broadcast via RBDS. Unlike RBDS itself, this system would work well even if only one station in a market broadcasts RBDS signals

The Rockford Fosgate Symmetry system uses rack-mounted circuit cards instead of stand-alone components.



Diversity tuning, which selects the best signal from two or more antennas, has held on for years but never quite caught on. Still, its two main proponents keep improving it. Blaupunkt's Sante Fe head unit now selects for minimum multipath rather than maximum signal strength, which should yield cleaner sound. Sony's CDX-U8000 in-dash CD unit, and the tuner module of the Sony ES system mentioned earlier, have separate front ends for each antenna. The ultimate may be Blaupunkt's Auto Directional Antenna (ADA), a phased array of four concealed foil antennas linked to circuitry that steers the array's coverage pattern towards the signal through phase manipulation. So far, there are no ADA models announced for the U.S., but at least one is now sold in Europe. А

Denon's DCX-100 combines DSP with a tuner and a CDchanger controller. © 1992 Lexus, A Division Of Toyota Motor Sales, U.S.A., Inc. Lexus reminds you to wear seat belts and obey all speed laws. For more information, call 800-872-5398 (800-USA-LEXUS). *Maximum power

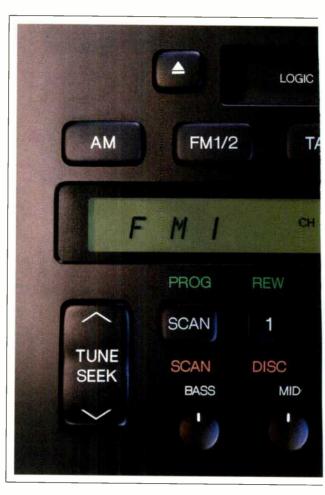
o hear the hum of the Lexus SC 400's Four Cam, 32valve engine is definitely a pleasure. But you have to admit, there will probably be times when you'll want to hum along with something a bit more musical.

Enter the optional Lexus/Nakamichi Premium Sound System with twelve-CD auto-changer, perhaps one of the finest audio units ever to be installed inside an automobile.

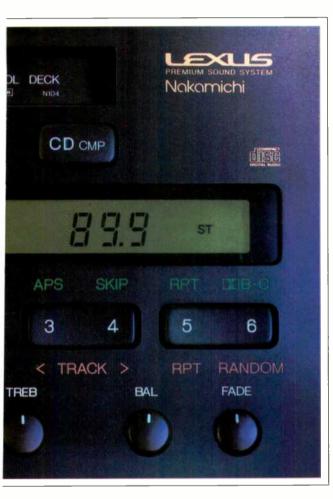
Dare we say, even a living room.

A total of seven speakers occupy the cabin: two tweeters, four extended-range speakers, and a ten-inch subwoofer. Each one placed in a distinct location to enhance sound imaging.

Turn up the volume and the first image that comes to mind is front row seats, thanks to 280 watts* that, at your discretion, can send a musical note to a place about four inches beneath the sternum. But power is nothing without finesse. That's why



active high- and low-pass crossovers feed



specific frequencies that match the optimized operating range of every speaker. Equalization circuits (we'll spare you the details) are also used to tailor sound reproduction to the interior design of the car.



this means phenomenal sound quality. "The finest system you can buy in a new car" is how Car Stereo Review translated it (Motor Trend magazine, on the other hand, took a more direct approach by simply naming the entire car 1992 Import Car of the Year).

> Of course, if you ever decide to turn off the stereo, you can always listen to how well the engine carries a tune.



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EQUIPMENT PROFILE

PANASONIC CQ-ID60 CAR STEREO WITH ID LOGIC

Manufacturer's Specifications

Amplifier/Preamplifier Section Power Output: Rated maximum, 22 watts per channel at 400 Hz; EIA, 9 watts per channel into 4 ohms, 20 Hz to 30 kHz, at 1% THD.

Preamp Output Level: 0.6 V (ref. level: tape, 0 dB).

Tone Control Range: Bass, ±10 dB at 100 Hz; treble, ±10 dB at 10 kHz.

Loudness Contour: +8 dB at 100 Hz, +6 dB at 10 kHz.

Recommended Speaker Impedance: 4 ohms.

FM Stereo Tuner Section

Usable Sensitivity: 13.2 dBf. 50-dB Quieting Sensitivity: 15.2 dBf

Frequency Response: ±3 dB, 30 Hz to 15 kHz.

S/N: 70 dB. Capture Ratio: 1.5 dB. Alternate-Channel Selectivity: 75 dB. Stereo Separation: 42 dB at 1 kHz.

Image Rejection: 55 dB. I.f. Rejection: 100 dB.

AM Tuner Section

Frequency Range: 530 kHz to 1710 kHz.

Usable Sensitivity: 28 dB/ μ V; 25 μ V for 20 dB S/N.

Tape Player Section

Frequency Response: 35 Hz to 14 kHz with Type I tape, 35 Hz to 17 kHz with Type IV tape. Wow and Flutter: 0.09% wtd. rms. S/N: 62 dB with Dolby NR, 52 dB with NR off.

Fast Forward/Rewind Time: Less than 105 S for C-60 tape.

General Specifications

Power Supply: 11 V to 16 V, test voltage at 14.4 V, negative ground.

- **Current Consumption:** 2.5 A average at 0.5 watt output into all four channels; maximum 5.0 A.
- Dimensions: Main unit, 7 in. W × 2 in. H × 5% in. D (17.8 cm × 5.0 cm × 15.0 cm): bracket, 7³/₁₆ in. W × 2¹/₁₆ in. H × 6% in. D (18.2 cm × 5.3 cm × 15.5 cm).
- Weight: Main Unit, 3 lbs., 8 oz. (1.6 kg); bracket, 10 oz. (0.3 kg). Price: \$379.
- Company Address: One Panasonic Way, Secaucus, N.J. 07094. For literature, circle No. 90



The farther you go from home, the harder it is to find radio programs you like. On the road, you can miss even common flavors like rock and easy listening if you happen to hit the appropriate stations during commercials. But not if you use the CQ-ID60. Its ID Logic system (from U.S. inventor Pierre Schwob) incorporates a data base of more than 10,000 stations in more than 4,300 towns and cities in the U.S., Canada, and northern Mexico, all keyed to map grids 30 miles square. In ID Logic mode, you tell the system where you are, tell it what kind of programming you want, and let it find the stations for you. It will also tell you the call sign, city, and state of each station it finds.

More conventional features include 18 FM and six AM station presets, an auto-reverse cassette player with Dolby B NR, and a quick-release mounting bracket. It also has a front-panel jack for use with a portable CD player, switch-able amber or green illumination, and a circuit that mutes the stereo when a cellular phone is in use. Amplified and preamp-level outputs are provided for both front and rear channels.

Control Layout

In traditional fashion, the CQ-ID60 has its volume control at the left, tuning controls at the right, and station-selector

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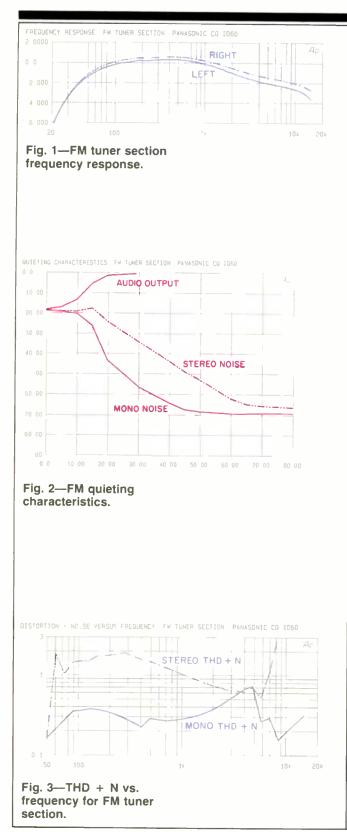
YOU WON'T FIND PARADIGM speakers everywhere. Product this good requires the expertise of a qualified audio specialist. So, before you buy any inexpensive speaker, visit your AUTHORIZED PARADIGM DEALER and listen to the amazing TITAN. What you will hear is music... for a sang!

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Enter No. 22 on Reader Service Card

Tell the CQ-ID60 where you are and what kind of programs you want, and it will find them for you.



buttons under the display. Tradition ends there. The volume control is an up-down rocker (labelled "Audio") whose function changes from volume through bass, treble, balance, and fader back to volume each time you press the small "Select" button set into it; when you use the rocker, the display shows both its current function and setting. A button just above it toggles a volume attenuator on and off; holding it down for at least 2 S toggles loudness compensation on and off instead.

The main tuning controls are four buttons in a rectangular array at the far right. They control up and down tuning (manual if pressed quickly, automatic if held down for half a second), "P-Set" (preset scan if pressed quickly, automatic memorization of the six strongest signals on the band if held down for at least 2 S), and "FMO." That last button switches in the FM Optimizer, which gradually reduces stereo separation and treble response as the signal weakens; it also mutes the tuner if the signal disappears when you drive into a tunnel or underground garage. In ID Logic mode, these same buttons are used to tell the system when the car has moved to the next 30-mile square in any compass direction. The illuminat on color switch is just above the tuning array, and the CD input is just below.

The tape slot, at the top center, is flanked by the buttons for eject and for fast forward and rewind; pressing the latter two at once reverses the tape direction. During tape play, the display just below the loading slot shows "TAPE" in big letters, with an upward or downward arrow to show which side of the tape is playing, plus small indicators for "MTL" (Type II or IV tape equalization). Dolby NR, and Tape Program Search ("TPS"). The display also shows a big "CD" when the CD input is in use; that input is activated by pressing a button just to the left of the display but is deactivated by pressing the "Band" switch at the lower right or by playing a tape.

Also to the left of the display is a tiny rocker. Pressing its left side quickly selects display of station call sign, location, or format instead of frequency; holding it down at least 2 S enables or disables a beep tone which confirms that a button has been pressed. Pressing the right side of this rocker switches between normal and ID Logic modes. Six large key switches below the display area select individual preset memories (or set them, if you hold the button down for 2 S). In tape mode, the first three select tape type, NR, and "TPS." And in ID Logic mode, the six keys tune stations by program format. The "Band" key, to the right, selects AM or FM and cycles through the three sets of FM memories.

Changing to ID Logic mode gives most of these controls new functions. When you first set up the CQ-ID60, you should go into this mode, then use the "Select" button and the "Audio" rocker to scroll through a list of states, then cities, to program it for your home location. After that, when you're in ID Logic mode, the tuner will find classical, country and western, rock, jazz, easy-listening, or talk stations when you press the appropriate key switch. If you leave town, use the four tuning buttons at the far right to show what direction you're moving in, and ID Logic will update its station selections to match your new location. If no station is found in the category, the display will tell you whether it's because there's no such station or because none of the stations on

Season tickets for a lifetime.

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With the D400 stereo power amplifier coupled to your speakers, your favorite performers will be right there with you, as you've never heard them before. Palpable. Holographic. Immediate. With the most explosive dynamics heard outside of a concert hall. Simply put, the D400 will transport you. Thanks to the enormous reserves of musical power lurking within the D400's classic, understated exterior. And to sophisticated leading-edge circuitry that focuses and clarifies instrumental timbres as only a great seat or the finest tube amplifier could do before. Without maintenance.

So, why not enjoy the best seats in the house? Your house, every night of the year. Audition the D400 soon at your nearest Audio Research retail specialist.



5740 Green Circle Drive / Minnetonka, Minnesota 55343-4424 / Phone: 612-939-0600 FAX: 612-939-0604 Enter No. 3 on Reader Service Card The ID Logic system found no fewer than seven local classical music stations, while I'd thought there were only four of them!

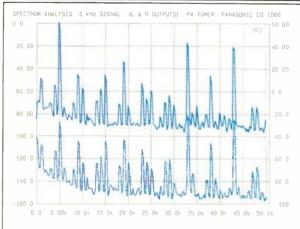


Fig. 4—Spectrum analysis, FM stereo mode, one channel modulated with 5 kHz (solid curve), other channel unmodulated (dashed curve). Use the right-hand scale for the lower curve.

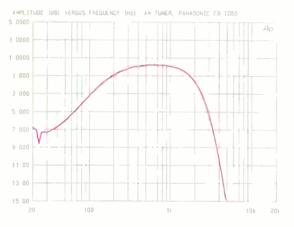


Fig. 5—AM section frequency response, using new standard $75-\mu S$ pre-emphasis and de-emphasis.

the list is coming in. A "NO DATA" error message means you've tuned in a station for which no information exists maybe you've driven to a new area without telling the system where you are. Information can be updated for up to eight stations as they change formats or call letters.

I would guess that the description of this unusual product will have you yearning for it, especially if you travel long distances. Let me simply confirm, before I give my lab results, that I was able to dial up the nearest city (New York, in my case), hit the "Clas" button on the front panel of the CQ-ID60, and come up with seven stations that offer classical for at least part of their programming day. And all the while I had thought there were only four!

Measurements

Figure 1 shows the frequency response for the FM tuner section. Response is down 3 dB at 32 Hz and at 13 kHz, but since the published specification claims uniformity within ± 3 dB, one could say this tuner meets that claim with several dB to spare, though I have seen considerably flatter response curves for car FM tuners.

Figure 2 shows the mono and stereo quieting characteristics of the FM tuner section. It takes about 25 dBf of input signal strength to achieve 50 dB of quieting in mono, as against 15.2 dB claimed by Panasonic; 47 dBf of signal strength is required to produce 50 dB of quieting in stereo. (Panasonic offers no claim for this important specification.) I strongly suspect that the FM tuner section of this sample could have been better aligned, since most earlier car audio tuners from this company that I have tested did far better in terms of meeting their specifications. At strong signal levels, best S/N for mono is about 1 dB short of the 70 dB claimed. In stereo, best S/N for strong signals was 66 dB.

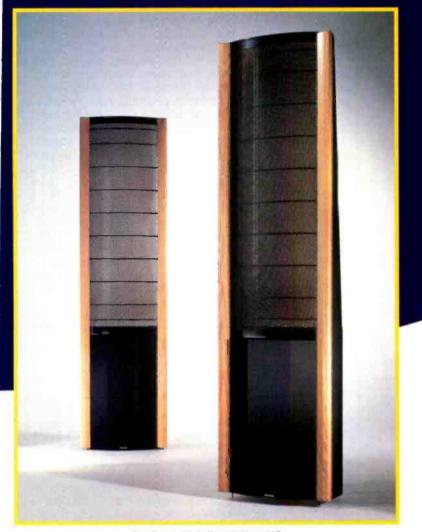
Without trying to detune my FM signal generator to produce lowest distortion, I plotted THD + N versus audio frequencies for the FM tuner in mono and stereo for a 65-dBf input signal (Fig. 3). At 1 kHz, mono THD + N is just under 0.3%, while at 100 Hz and 6 kHz, it measured 0.37% and 0.28% respectively. Distortion increases when stereo signals are appled so THD + N in stereo is just over 1% for a 1-kHz modulating signal, and 1.5% and 0.6%, respectively, for the other two test points of 100 Hz and 6 kHz.

When I measured THD + N versus input signal level, I found that usable sensitivity (the point of 3% THD + N) was 13.5 dBf in mono and 29 dBf in stereo; the mono figure is close to Panasonic's rated 13.2 dBf, and there is no stereo figure quotec. From those points, the THD + N curves (not shown) curved down sharply to about the 50-dBf point, after which there was only minor improvement with increasing signal strength. At 65 dBf, THD + N was about 0.25% in mono and about 1.2% in stereo, corresponding closely to the results shown in Fig. 3 for a 1-kHz test signal.

At mid-frequencies, separation fell short of even the 30dB mark, measuring around 27 to 28 dB. To the tuner's credit, it must be noted that separation remained fairly consistent all the way from about 100 Hz up to 15 kHz, where most FM stereo tuners' stereo separation decreases rapidly. I'd probably have found such blending had I tested the CQ-ID60 with the FM Optimizer switched in. But as neither the manual nor the Panasonic catalog says what it does, I decided not to measure its action.

Figure 4 shows a spectrum analysis taken at the left and right preamp outputs of the FM tuner section while modulating the left channel with a 5-kHz signal. The solid curve shows the components at the output of the left (modulated) channel while the dashed curve represents output from the right (unmodulated) channel. Note that the residual 19-kHz pilot carrier is attenuated by only about 37 dB relative to the desired 5-kHz audio output signal, while sidebands on either side of the suppressed 38-kHz subcarrier are attenuated even less, or about 20 and 23 dB. This is typical of car stereo tuners; they do not need to attenuate these high-frequency products to prevent problems with tape recorders, as home tuners do. A 19-kHz signal, 37 dB down at the





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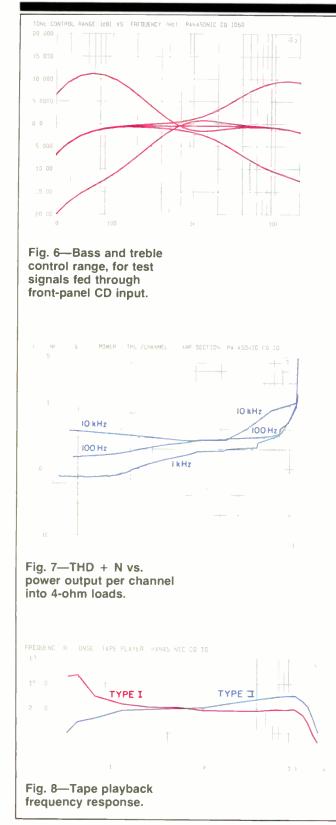
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I commend Panasonic for recognizing a need and jumping on the ID Logic bandwagon before anyone else did.



unit's output isn't likely to cause tweeter damage either. On the other hand, if you often travel with your dog in the car (or with young people who can still hear 19 kHz and beyond), this level of 19 kHz output might prove annoying.

The less said about the AM tuner section the better—note its unforgivably poor frequency response (Fig. 5). At least, Panasonic has included the newly authorized station frequencies out to 1705 kHz (in fact, it tunes a bit past that limit), so you'll be able to pick up any new stations or stations newly assigned to those upper frequencies.

Turning to the amp and preamp sections, Fig. 6 shows the maximum boost and cut of the bass and treble controls, as well as response with the controls set flat (middle curve), for signals fed in through the front-panel CD input. Note that, while the middle curve's bass response is about the same as that shown for the FM section in Fig. 1, its treble response is a great deal flatter. Results are about what I have come to expect from standard, garden-variety bass and treble controls. And while not shown graphically, the loudness compensation circuitry also worked about like that of other similar circuits, providing around 8 dB of boost at 100 Hz and about 6 dB of boost at the treble end of the spectrum when the volume control was set 30 dB below maximum.

I suspect that anyone going to the trouble of installing this sophisticated ID Logic unit in their vehicle is also going to install higher powered amplifiers with it. Nevertheless, since the CQ-ID60 is a complete receiver with its own built-in amplifiers. I felt duty-bound to at least test amplifier distortion versus power output at three key frequencies (100 Hz, 1 kHz, and 10 kHz). As Fig. 7 shows, the amplifiers deliver their rated 9 watts per channel at or below the rated value of 1% THD for all three test frequencies.

For the tape section I checked frequency response with Type I (normal bias) and Type II (high-bias) calibrated test tapes from BASF and TDK. These tapes were recorded at a level 20 dB below a reference magnetization level of 250 nWb/m. Figure 8 shows the results: I can't imagine why that slight rise at the low end occurs with the Type I tape—I checked that the tone controls were flat for both these tests—but the upper -3 dB point is reached at around 14 kHz, as claimed. For Type II tape, response extends to 17 kHz before reaching the -3 dB point, with a slight rise of about 3 dB at around 10 kHz; at the bass end, response extends down to 39 Hz before reaching the -3 dB point.

For Type I tape, A-weighted S/N measured 49.5 dB without NR, and 58.8 dB when Dolby B NR was applied during playback of my special "noise" tape (recorded with bias signal only). While these figures fall somewhat short of Panasonic's specifications, bear in mind that Panasonic's reference level may be the recording level that results in 3% third-harmonic distortion (a usual practice) rather than the 250 nWb/m reference I use, probably several dB lower.

I also measured the spectral distribution of tape noise, both with and without Dolby B noise reduction. The noise in either case rolled off steeply below about 15 Hz, and was mostly about -70 to -72 dB between that point and 400 Hz. Above that frequency, the curves diverged. Without NR, the curve levelled off from 400 Hz to 2 kHz, then rose again, to reach a peak of about -61 dB at 15 kHz. With Dolby NR, the noise level continued falling until it dropped below -80

The major controls were designed by someone who knows that car stereos aren't mounted at eye level.

dB from about 800 Hz to 3 kHz, then rose to a peak of only about -72 dB around 15 kHz—the usual 10-dB improvement one expects from this NR system at treble frequencies.

Finally, Fig. 9 shows wow and flutter, as measured by the weighted-rms and IEC peak-weighting methods. Over most of the 25-S measurement period, wow and flutter measured around 0.15% weighted rms, a bit poorer than the 0.09% claimed by Panasonic. Using the more rigorous IEC peak weighting system, which more clearly reveals speed variations over the test period, shows that speed variation occasionally reached peaks of more than 0.3%.

Clearly, from the standpoint of its measurements, the Panasonic CQ-ID60 is a passably good unit, if not an outstanding one. But there are trade-offs here, ones that Technical Editor Ivan Berger will surely want to emphasize. The convenience of not having to fumble endlessly while driving from one region to another is a significant consideration. The ability to easily hook in a portable CD player via a front panel jack is also welcome. Panasonic is to be commended for jumping on the ID Logic bandwagon before anyone else. They recognized a need expressed by many car audio enthusiasts, and when the technology became available they were quick to take advantage of it. Leonard Feldman

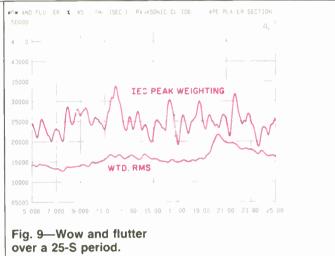
Behind The Wheel

The further you go from home, the more useful a feature like ID Logic should be. So I took the Panasonic as far afield from New York City as Hartford, Conn., in one direction, and Pittsburgh, Pa. in the other. Traversing station-packed Connecticut, the CQ-ID60 brought in something to my taste (classical, country and western, and jazz) everywhere I went. In central Pennsylvania, however, there were some places where the display said "No Statn" for my desired formats, and others where flickering call letters on the display showed "Not Find," meaning that it knew of stations that it should be able to receive, but couldn't.

Usually, though, it shows the call letters of a station. After that, pressing the "Disp" side of the little rocker cycles you through the station's frequency, location, and format, then the chief city of your currently logged location, then that city's state. (I'd have preferred getting the station's location first, so I'd know sooner if I was moving towards it or away from it.) Station information was almost always accurate, except in areas halfway between two stations on one frequency, when the display would usually vacillate between both sets of call letters before choosing one. Format information was a little chancier, since a "Jazz" station (for example) may not broadcast jazz all the time.

The cities for which each listener-location grid square are named are not centered in their squares, which can get a bit confusing: New Haven is not due south of Hartford, but those two grid squares stack that way. And though you can get some stations from the "New Haven" grid at the south end of the "Hartford" one, don't expect to pick up stations within New Haven from a spot in downtown Hartford.

If you press the "ID" rocker too long, you get into the "Data" demo mode, which displays all theoretically available stations in the local data base, receivable or not. When not in "Data" mode, the ID Logic system properly rejected



some stations that couldn't actually be heard, but stopped at others that yielded only noise puffs.

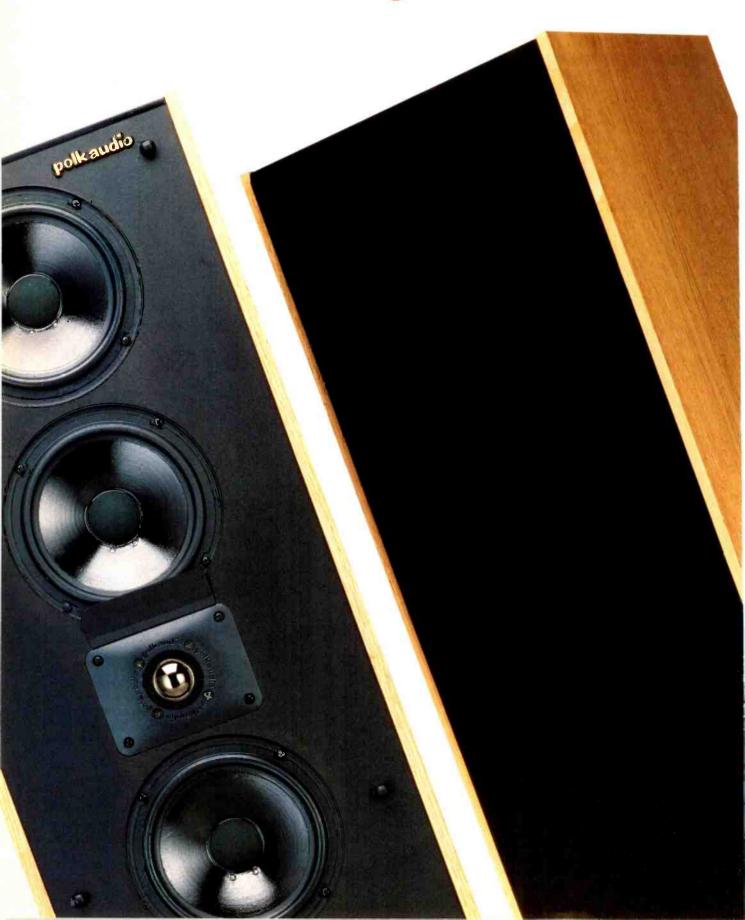
The Panasonic was not a match for my reference on distant stations, but proved equally adept at handling breakthrough interference (whether from stations on the same or adjacent frequencies, I couldn't tell). The FM Optimizer circuit's most audible effect was a welcome reduction in distortion. On AM, reception was about average—quite pleasant on some stations, full of noises on others.

The controls were nicely arranged, for the most part, with the "Audio" rocker and the preset/format and "Band" keys obviously designed by someone who knew that most car stereos are mounted parallel to the car floor, well below eye level. The display, however, had a row of small but important indicators (for Dolby NR, stereo reception, "Data" mode, "FMO," tape type, and "TPS") at the top, where they were hidden from the driver's view. The main display information, however, was quite easy to read, especially the bright "ID" indicator (vital, since most controls change their function in that mode) and the big letters and numbers for the "Audio" rocker's modes and settings, broadcast station info, "Tape" (with arrows pointing up or down, depending on which side of the tape is playing) and "CD" (when that input is activated). My one complaint was that it's too easy to turn the unit off or attenuate the sound when you're trying to raise the volume-slightly different button design would have prevented that.

Night illumination is good. With the unit off, only the power switch lights up, but as inserting a tape won't turn the unit on, there's no need to il'uminate the tape slot when the unit's off. With the unit on, all controls, the display, and the tape slot light up nicely, except for the big tape-transport buttons, which are easy to find anyway. While the green illumination matched that of my dash, I found that selecting amber illumination made the display easier to read by day.

The sound, as you'd suspect, was best when playing CDs through the front-panel input, next best on tape, okay on FM, and merely inoffensive on AM. I heard no evidence of wow and flutter, even on bumpy roads. *Ivan Berger*

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| NWA | ADC-M11(R0) Changer ARC-M11 Controller ARF-M11 FM Modulator | 599.00 149.00 99.00 | 1 | 10 | 5-20 | 85 | | | DTE | | | | | | | | Yes |
| ALPINE | 3900 D/A Converter 7980 In-Dash Changer/Tuner 59512 Changer/Controller/ FM Modulator 59575 Changer | 1200.00 900.00 580.00 550.00 | 1 | 3 6 | 5-22 5-20 + 0,-1 5-20 ± 1 5-20 | 95 95 103 | 0.006 0.01 0.005 | 0 | D/T D/T | Yes Yes | D O | 16.3 | 80 | 65 | 24 | Yes | Yes |
| | 1310 Controller/Tuner (with ID Logic) 5952V Changer 5959S Changer - 5953 Controller | 620.00 480.00 880.00 220.00 | 1 | 6 | 5-20 + C1 5-20 + O,-1 5-20 + O,-1 | 95 114 | 0.003 | 60 720 | D/T D/T/E | Yes | D | 9.3 | 80 | 65 | 12 | Yes No Yes | Yes Yes Yes Yes |
| | 5954 Controller 1390 Tuner | 150.00 200.00 | | | | | | - | | Yes | | 16.3 | 80 | 60 | 24 | No | Yes |
| AUDIOVOX | CDC-700 Changer | 699.00 | 1 | 10 | 5-20 ± 1 | 95 | 0.008 | 0 | DT | Yes | D | - | - | <u> </u> | - | No | No |
| LAUPUNKT | CDC M1 Changer CDC M4 Changer | 899.95 449.95 | 1 | 10 10 | 5-20 ± 1 5-2 ± 0.5 | 90 90 | 0.005 | | D T D T | Yes Yes | D T D T | | | | | Yes Yes | Yes Yes |
| LARION | 6300CD Changer 6201CD Changer FMC 303 Controller | 699.95 399.95 169.95 | 1 | 6 6 | 5-20 5-20 | 95 93 | | | DTE | Yes | | | | | | Yes No No | Yes No No |
| OUSTIC | CC-55 Changer | 599.95 | 1 | 10 | 5-20 ± 0.5 | 90 | 0.008 | | DT | Yes | 0 | | | | | Yes | Yes |
| DENON | DCC-700 Changer DCC-500 Changer DCX-70 Controller DCX-60 FM Modulator | 700.00 500.00 140.00 85.00 | 1 | 5 10 | 5.20 ± 1 5.20 ± 3 | 100 90 | 0.003 0.005 | | DT DT No | Yes Yes No | D D D | | | | | Yes No No | No No Yes |
| CLIPSE | ESD-430 Changer ESD-431 Changer/Wireless Remote/ FM Modulator ESD-530 Changer | 500.00 750.00 900.00 | 1 1 1 | 12 12 12 | 5-20 5-20 5-20 | 92 92 | 0.01 0.01 .00007 | | | | | | - | | | No No Yes | No No |
| IVC | XL-MG1800 Changer XL-MG700RF Changer/Controller/ FM Modulator XL-MK500 Changer KS-RF1 Controller/FM Modulator KS-RF18 Controller KS-IF100 FM Modulator | 729.95 639.95 479.95 179.95 259.95 99.95 | 3 1 1 | 6 6 | 5-20 5-20 5-20 | 98 98 98 | 0.004 0.004 0.004 | 50 | DT | | D | | | | | | |
| KENWOOD | KOC-C600 Changer KCA-R20 Controller KCA-R10 Controller KCA-FM10 FM Modulator | 429.00 199.00 149.00 69.00 | 1 | 10 | 2-20 | 96 | 0.005 | 20 | D | Yes Yes | | | | | | Yes | Yes |

Photograph: Bill Ashe

AUDIO/MAY 1992

TUNER

CD CHANGERS

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| KINERGETICS | KMP-100-U(RI) D/A Converter/Preamp | | / | ₽́/¥ | \$ <u> </u> | / 4 | | | | | * | Solution and the second | ٤/٩ | | e / 4 | eio) (č | 10. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
| RESEARCH | KMC-100(RI) Changer | 5000.00 1400.00 | 1 | 10 | L | | 0.1 | 0 | DT | Yes | D | | | | | Dnly | Yes |
| L.A. SOUND | LA 1505CD Changer LA 1500CDC Controller LA 150 Remote | 399.00 139.00 89.00 | 1 | 5 | 5-20 ± 0.5 | 90 | 0.05 | 10 | D T/E 0 T/E D T/E | No No No | | | | | | No | Yes |
| MOPAR | 82201547(RI) Changer/FM Modulator 4465101(RI) Changer | 610.09 610.00 | 1 | 6 6 | 20.20 ± 1 20.20 ± 1 | 95 95 | 0.008 | | 0 T 0 T | Yes Yes | | | | | | + | 1 |
| | MC-101 Controller 100 CDC Changer 100 CDC/i Changer CDC-101 Changer DAC-101 D/A Converter | 200.00 2200.00 3000.00 900.00 500.00 | 1 1 1 1 | 10 10 10 | 5-20 5-20 5-20 ± 0.5 | 100 85 98 | 0.004 0.05 0.002 | | | | | | | | | Dniy Yes Yes | Yes Yes Yes |
| PANASONIC | CX-DP60 Changer CY-RM60 Wireless Remote/Display Unit/FM Modulator CY-FM5 FM Modulator | 499.00 179.00 79.00 | 1 | 6 | 5-20 ± 1 | | 0.01 | | DT | Yes | D | | | | | | Yes |
| | CX-DPFM60 Changer Wireless Re- mote/Display Unit/FM Modulator CX-DP15(RD) Changer CY-RM15 Controller (with amp) CY-RM16 Controller | 620.00 599.00 299.00 249.00 | 1 2 | 6 6 | 5-20 ± 1 5-20 ± 1 | 96 | 0.01 0.005 | 35 | D T D T/E | Yes Yes | D D | | | | | | Yes Yes Yes |
| PIONEER | CY-RM5 Controller CDX-M33 Changer CDX-FM38(R), Changer/FM Modulator CDX-FM35 Changer/FM Modulator DEX-M400(RIC) Controller GEX-T0 Tuner | 129.00 460.00 680.00 560.00 240.00 | 1 1 1 1 | 6 6 6 | 5-20 ± 1 5-20 ± 1 5-20 ± 1 | 94 | | 512 512 512 512 512 | D T/E D T E D T/E D T | Yes Yes Yes Yes | | | | | | Yes No No | Yes Yes No No Yes |
| | CD-M1 Remote | 230.00 120.00 | | | 30-15 ± 3 | | | 512 | D/T | Yes | Ť D | 7 | 70 | 70 | 24 | | 162 |
| PREMIER | CDX-M33 Changer | 460.00 | 1 | 6 | 5-20 ± 1 | 94 | | 512 | D'T/E | Yes | D | | | | T | Yes | No |
| PRESTIGE | P-175(RI) Changer | 699.95 | 1 | 10 | 5-20 ± 1 | 95 | | | DT | Yes | D | | | | + | No | No |
| SANYO | DCD-8000 Changer Controller MAX-7000 Changer | 400.00 | 1 | 6 | | | | - | DT | | D | | | | | | |
| SENTREK | FXD-C201 Changer | 449.99 | 1 | 10 10 | 5-20 5-20 | 95 95 | 0.008 | | ļ | | | | | | | No No | Yes Yes |
| | SCD 2000(Ri) Changer/Controller/ FM Modulator | 659.95 | 1 | 10 | 17-20 | 95 | 0.008 | 0 | ΤC | Yes | D | | | | | | |
| SHERWOOD | XM-710 Changer XM-7800 Changer/Controller/ FM Modulator XM-7100 Changer/Controller | 499.00 600.00 | 1 | 6 6 | $5-20 \pm 0.5$ $5-20 \pm 0.5$ $5-20 \pm 0.5$ | 92 91 | 0.002 | 30 30 |) T/E) T/E | Yes Yes | D | | | | | | Yes |
| SONY | CDX-A15 Changer CDX-A55 Changer CDX-A55 Changer CDX-A15RF Changer/Controller/ FM Modulator | 650.00 450.00 450.00 560.00 | 1 1 1 1 | 6 10 10 10 | 5-20 ± 0.5 5-20 5-20 5-20 | 91 85 95 85 | 0.02 0.015 0.01 0.015 | 30 0 | D T/E | Yes | D | | | | | No No No | Yes No No Yes |
| | CDX-ASSRF Changer Controller/ FM Modulator RM-X124 Controller RM-X2001 Preamp/Controller XT-30 Twner XT-100 Twner/Amp/Controller CDX-U300 Changer CDX-U300 Changer CDX-U300 Changer CDX-U300 Changer CDX-U300 R-Changer Controller/ FM Modulator RM-X14 Controller/FM Modulator | 580.00 160.00 400.00 180.00 300.00 450.00 600.00 670.00 260.00 | 1 1 1 1 | 10 10 10 10 | 5-20 5-20 5-20 5-20 5-20 | 95 95 105 95 | 0.01 0.01 0.008 0.01 | 0 10 110 110 110 110 | DT DT E DT DT DT/E DT/E | Yes Yes Yes Yes Yes Yes | 0 D D D T D D | 12 12 | 75 75 | 68 68 | 30 18 | No No No No No No No | Yes Yes Yes No Yes Yes Yes Yes Yes Yes |
| SONY ES | XES-C1 Changer CDX-U480D Changer XES-P1 Preamp Controller XES-T1 Tuner | 900.00 550.00 1300.00 250.00 | 1 | 10 10 | 3-20 5-20 30-15 | 105 105 70 | 0.003 0.005 0.3 | 110 110 | D.T/E | Yes | D/T | 8 | 75 | 70 | 20 | Yes Only Yes | Yes Yes |
| SOUNDSTREAM | DC1000 Changer/Remote DTA1 D/A Converter | 759.00 595.00 | 1 | 10 | 5-20 ± 1 5-20 ± 0.25 | 90 96 | 0.05 0.03 | | | | <u> </u> | | 13 | 70 | 30 | No Yes | Yes Yes Yes |
| TARGA | Q-4000 Changer/Controller Q-6000 (see components below) CDC-5 Changer Q-735C Head Unit | 400.00 699.00 | 1 | 6 10 | | _ | | 16 | D/T D/T/E | Yes Yes | D D T | | | | 30 | Yes | |
| TECHNICS | CX-OP3000 Changer | 979.00 | 1 | 12 | 5-20 ± 1 | 96 | 0.005 | | D/T | Yes | D | | _ | | | | |
| TOSHIBA | TX-972FM Changer/Controller/ FM Modulator TX-972AU Changer/Controller | 549.95 529.95 | 1 1 | 10 10 | 20-20 20-20 | 55 90 | 0.0002 | 160 160 | D/T/E D/T/E | Yes Yes | D D | | | | | No | Vac |
| YAMAHA | YCDC-1000 Changer YCT-925 Controller/Tuner YFM-1 FM Modulator YCC-1 Remote YDSP-1 Controller/ Digital Sound-Field Processor | 549.00 549.00 80.00 130.00 949.00 | 1 | 10 | 5-20 | 100 | | | C T/E T | Yes | DT DT | 15.0 | 75 | 70 | 24 | No Yes No | Yes |
| | | | | | | _ | | | | | | | | | | | |

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IN-DASH CD PLAYERS Munder of Paramatule Selections trois CD Changer

| | | <u>با ا</u> | | 7 | | 7 | 7 | / | 7 | * | 7 | 1 | 7 | 7 | | TUNER | | 77 |
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| | indee Dilone | in Sla | | e, | 80 | | 0.00 | ÷ / | alle alle | Enil | | | ()) () | 8 i 1 * | Selectin | 00 | Wall of | 1000 Harris |
| | | | Response | 804 | Sen De | 1 | Analog Chily | | | Enline | 's' Se. | Disc | Sener | n. Jer | 10 M 3 | | e) e | 1 20 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| MANUFACTURER | Manual | and a second | Freeman Providence | 10 | The Range of | et all | | ALL PROPERTY OF ALL | Repeat C | Auer Cillon, Eau | Auro Farl Sea | Far Lean Disc (D), T | Allow 20 Sample | E. | Ton S.M. Colocities | A demand of the second of the | Then Pro- | PCA IN DUCTOR |
| ALPINE | 7803\$ 7802 7980 (3-Disc Changer) 7915 7914 | 550.00 460.00 900.00 520.00 480.00 | 5-20 + 0,-1 5-20 ± 1 5-20 + 0,-1 5-20 + 0,-1 5-20 + 0,-1 5-20 + 0,-1 | 95 93 95 95 95 | 0.006 0.01 0.006 0.006 0.006 | D D D D D | 0 0 0 | No No No No | D/T D/T D/T D/T D/T | Yes Yes Yes Yes Yes | D D D/T D/T | 16.3 16.3 16.3 16.3 16.3 16.3 | 80 80 80 80 80 | 60 60 65 60 60 | 24 24 24 24 24 24 | 30 Max. 30 Max. | R P P | Dut Rear Dut Dut Dut |
| AUDIOVOX | ACD 35 | 599.95 | 5-20 | 95 | 0.05 | D | 16 | No | D T/E | Yes | D/T | 13 | | | 30 | 25 | P | Out |
| BLAUPUNKT | New York Aspen Denver Miami Orlando | 799.95 479.95 449.95 449.95 419.95 | 20-20 ± 0.3 10-20 ± 1 10-20 ± 1 10-20 ± 1 10-20 ± 1 10-20 ± 1 | 90 90 90 90 90 90 | 0.005 0.002 0.002 0.002 0.002 0.002 | D D D D D | 16 | No No No No No | 0 T/E D/T D T D/T D/T | Yes Yes Yes Yes Yes Yes | D/T D/T D/T D/T D/T | 13 12 12 12 12 12 | 85 75 75 75 75 75 | 75 70 70 70 70 | 36 24 24 24 24 24 | 10 x 4 10 x 4 | P/S P P | Dut Yes Yes Yes Yes |
| CLARION | 5870CD 5930CD 5632CD 5671CD 5730CD 5770CD | 649.95 999.95 349.95 399.95 449.95 499.95 | 5-20 5-20 5-20 ± 0.1 5-20 ± 0.1 5-20 ± 0.1 5-20 ± 0.1 5-20 ± 0.1 | 93 95 93 93 93 93 | 1 1 1 1 | D D D D D D | 0 0 0 0 | Yes Yes No No No | D/T/E D.T/E D/T/E D/T/E D/T/E D/T/E | Yes Yes Yes Yes Yes Yes Yes | D/T D/T D/T D/T D/T D/T | 12 12 12 12 12 12 12 | 70 70 70 70 70 70 70 | | 20 24 20 20 20 20 | 27 27 27 x 4 27 x 4 | P P P | Dut Dut Yes Yes Yes Yes |
| COUSTIC | CD-303 | 549.95 | 4-20 ± 2 | 90 | 0.05 | D | 16 | Yes | D/T/E | Yes | D/T | 12 | 70 | 60 | 30 | 14 x 4 | Р | Yes |
| CRAIG | AP902 | 599.95 | 5-20 | 90 | .0001 | D | | No | D/T/E | Yes | D/T | 15.9 | 70 | 60 | 18 | 25 | Р | Yes |
| DENDN | DCC-9770(RIC) DCC-8770 DCC-8570 | 750.00 650.00 550.00 | 5-20 ±1 5-20 ±1 5-20 ±1 | 96 96 96 | 0.005 0.005 0.005 | D D D | | No Yes Yes | D/T D/T D/T | Yes Yes Yes | D/T D/T D/T | 14.8 14.8 14.8 | 100 100 100 | 70 70 70 | 24 24 24 | 18 | P P P | Dut Yes Yes |
| ECLIPSE | ECD-411(C) ECD-410 ECD-510 | 699.95 475.00 900.00 | 20-20 ± 3 20-20 ± 3 5-20 | 94 94 | 0.02 0.02 .00007 | A A D | 0 0 0 | Yes No No | D/T T D/T | Yes Yes Yes | D/T D/T D/T | 13.5 13.5 12.6 | | | 24 24 24 | 12 12 | P P, Dpt. | Yes Yes |
| FULTRON | 16-9700 | 300.00 | 20-20 | 85 | 0.2 | A | 0 | No | T | Yes | D/T | 12.0 | 25 | 60 | 18 | 25 | Р | Yes |
| JENSEN | CD-9500 | 429.00 | 10-20 | | | | | | T | Yes | D/T | 14 | | | 18 | 20 | P | |
| JVC | XL-G3700(RI) XL-G2700(RI) XL-G2700(RI) KS-RX835 CD Cassette Receiver | 399.95 379.95 319.95 799.95 | 5-20 5-20 5-20 5-20 5-20 | 90 90 90 95 | 0.015 0.015 0.015 0.015 0.005 | | 15 | | D/T D'T D/T/E D/T/E | | D D D/T D/T | 15.3 15.3 15.3 12.1 | | | 24 24 24 24 | 8 8 3 x 2, 8 x 2 | P | |
| KAWASAKI | KRCD 292 | 699.00 | 20-20 ± 0.5 | 90 | 0.05 | D | 16 | No | D T/E | Yes | D/T | 12 | 55 | 60 | 30 | 25 | Р | Yes |
| KENWOOD | KDC-95R(RIC) KDC-85R(C) KDC-77R KDC-67R | 599.00 549.00 479.00 429.00 | 5-20 ± 1 5-20 ± 1 5-20 ± 1 5-20 ± 1 5-20 ± 1 | 96 96 96 96 | 0.005 0.005 0.005 0.005 0.005 | D D D D | 20 20 0 0 | No No No No | 0/T D/T D/T D/T | Yes Yes Yes Yes | | 15.2@ 50 dB 15.2@ 50 dB 15.2@ 50 dB 15.2@ 50 dB | 70 70 70 70 | 96 96 96 96 | 24 24 18 18 | 8 x 4 8 x 4 | P/S P/S P | Out Out Dut Dut |
| KRACO | KCD-3000 | 849.95 | 5-20 ± 3 | 90 | 1.0 | 0 | | No | T | Yes | T | 15 | 53 | 80 | 18 | 20 | Ρ | Yes |
| L.A. SOUNO | LA 1100CD | 449.00 | 5-25 ±0.09 | 90 | 0.02 | D | 0 | in Out | DT | Yes | T | | | 60 | 24 | 14 x 2, 8 x 4 | Ρ | Yes |
| MOPAR | 82400844 | 530.00 | 30-20 + 0,-2 | 100 | 0.15 | D | 0 | No | D | No | D/T | 30@ 50 dB | 60 | 58 | 20 | 12 x 4 | | |
| NAKAMICHI | Mobile CD Tuner 1(RIC) | 750.00 | 5-20 ±0.5 | 85 | 0.008 | D | 0 | Yes | | Yes | D | 17 | | 60 | 18 | | Р | Yes |
| OPTIMUS | 12-1987 12-1941 (Under-Dash) | 359.95 349.95 | 20-20 ±3 20-20 | 80 | 0.15 0.1 | 0 A | 16 0 | Yes | D/T/E | Yes Yes | D/T | | | | 18 | 18 | P | Yes Yes |
| PANASONIC | CO-DP42 CO-DP38 CO-DP37 CO-DP32 | 569.00 529.00 499.00 429.00 | 5.20 ± 1 5.20 ± 1 5.20 ± 1 5.20 ± 1 | | 0.008 0.008 0.008 0.008 | | 12 12 12 12 | Yes Yes Yes No | D/T D/T D/T D/T | Yes Yes Yes Yes | D/T D/T D/T D/T | 13.2 13.2 13.2 13.2 13.2 | 75 75 75 75 | 70 70 70 70 | 24 24 24 24 | 27 x 4 22 x 4 17 x 4 22 | P R P | Yes Yes Yes Yes |
| PHILIPS | DC911 | 599.00 | | | 0.009 | D | 12 | | 0/T/E | Yes | DT | | | | 18 | 8 x 2, 25 x 2 | P | Yes |
| PIONEER | DEH-M980(RIC) DEH-880(RI) DEH-880 DEH-680 OEH-580 GEH-M2000(C) FHM-75(RIC) CDX-4 | 680.00 600.00 510.00 480.00 410.00 280.00 1200.00 400.00 | 5-20 ± 1 5-20 ± 1 5-20 ± 1 5-20 ± 1 5-20 ± 1 5-20 ± 1 5-20 ± 1 | 90 90 90 90 90 90 90 | | | 512 512 | No No No No No No | D/T D/T D/T D/T D/T D/T/E D/T D/T | Yes Yes Yes Yes Yes Yes Yes Yes | D/T D/T D/T D/T D/T D/T D/T D/T | 8 8 11 11 11 11 8 | 70 70 76 70 70 70 70 | | 24 24 24 24 24 24 24 24 | 30 x 4 30 x 4 30 30 30 25 x 2, 15 x 4 30 x 4 | R R R R | Yes Yes Yes Yes Yes Yes |
| <u> </u> | | 400.00 | A.F.A. T.I. | | | | | | | | Ľ | | | | | | | |

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IN-DASH CD PLAYERS

| | And a second sec | indice CD CD | Transferrance | | lenge ag | 1 Miles | Contract, Samo Contract Contract | io. (0) | Popear , and a selection | crine En | Auche Fast So. Poplan Ist (D) | The Decar Dice (1), T | Sensitives (1) | 100 - 001 | | TUNER | and the second sec | Red high and a second s |
|--------------|--|--------------------------------------|--|-----------------------|---|------------------|----------------------------------|--------------------------|---|--------------------------|-------------------------------|--------------------------------------|----------------------------|----------------------|----------------------|---|--|--|
| MANUFACTURER | 100 B (C) | Price | Frequency, 5 | 1 | THO CHANGE OF | | And Concert | and an | Hender I | And Contract | Am. | The User | 11 - 10 | Carmale.C. | Tan Mono S | A MANUNAL AND | Then all all | ACA In Jan |
| PREMIER | DEX-M88(RIC) DEH-M77(RIC) DEH-M66(RIC) | 900.00 700.00 540.00 | 5-20 ± 1 5-20 ± 1 5-20 ± 1 | 92 90 90 | | D D D | 512 512 512 512 | Yes No No | D/T/E D/T D T | Yes Yes Yes | D/T D/T D/T | 7 8 11 | 70 70 70 | 70 | 24 24 24 | 30 x 4 30 | R R R | Yes Yes Yes |
| PROFILE | CD210 | 450.00 | 20-22 ±0.5 | 90 | 0.02 | D | | No | 01 | Yes | DT | | 60 | 65 | 18 | 25 | P | Dut |
| RADION | DCD-7000 | 599.00 | | | | | 16 | Yes | т | Yes | DT | | | | 30 | 35 | P | |
| SANYO | ECD8500 | 449.99 | 5-20 ± 3 | 90 | 0.05 | D | 16 | No | DTE | Yes | DT | 12 | 65 | 60 | 30 | 25 x 2. 20 x 4 | Р | Yes |
| SENTREK | SCD 1000 | 499.95 | 20-20 ±5 | 95 | 0.05 | D | 0 | No | D/T/E | Yes | DT | 17 | 80 | 60 | 30 | - 14 | P | Yes |
| SHERWOOD | XCM-6820(C) XC-6810P XC-6520P XC-6420P | 575.00 475.00 625.00 500.00 | 5-20 ± 9.5 5-20 ± 0.5 5-20 ± 1 5-20 ± 1 | 94 91 94 90 | 0.02 0.02 0.02 0.02 0.02 | D D O O | 8 8 9 | Yes | D T/E D T/E D T/E D T/E D T/E | Yes Yes Yes Yes | 0 D DT DT | 11.2 11.2 11.2 11.2 11.2 | 80 80 80 80 | 70 70 70 70 | 30 18 24 30 | 25 x 4 25 25 x 4 25 x 2, | R/S P P P | Yes Yes Yes Yes |
| | XC-6320P | 450.00 | 5-20 ±1 | 90 | 0.02 | D | | Yes | D/T/E | Yes | 0/Т | 11.2 | 80 | 70 | 24 | 8 x 4 25 | Р | Yes |
| SONY | CDX-4040 CDX-5080 CDX-5180 CDX-U8000(C) | 380.00 450.00 520.00 680.00 | 5-20 5-20 5-20 5-20 | 85 85 90 100 | 0.015 0.015 0.01 0.01 0.008 | D D D D | 0 0 0 0 | Yes Yes Yes Yes | 0 T 0 T 0 T 0/T | Yes Yes Yes Yes | | 12.0 12.0 12.0 12.0 12.0 | 75 75 75 75 75 | 68 68 68 68 | 24 24 24 30 | 10 11 10 | P R R | Yes Yes Yes Yes |
| SPARKOMATIC | \$R600 | 399.99 | 20-20 | 85 | 0.05 | D | 20 | No | T | Yes | 0/T | 17 | 60 | 60 | 18 | | | Yes |
| TARGA | CDR-7 Q-2000 | 599.00 499.00 | | | | | 16 16 | Yes Yes | T T | Yes Yes | O T D T | | | | 30 30 | 35 15 x 2, 35 x 2 | P P | |
| TOSHIBA | TX-910 TX-902 | 609.95 419.95 | 5-20 ± 3 5-20 ± 3 | 90 90 | 0.05 0.05 | D O | 16 | No No | D T/E D T/E | Yes Yes | D 0/т | 10 | 50 | 60 | 18 | 25 | | Yes Yes |
| YAMAHA | YCOR-1020 YCDT-720 | 699.00 499.00 | 20-50 5-20 | 100 90 | 0.01 0.05 | D D | 20 | Yes Yes | D T/E T | Yes Yes | D T D/T | 20 15 | 75 | 70 | 30 30 | 35 x 4 | P P | Yes Yes |

DAT PLAYERS

| MANUFACTUREF | Marine Contraction | Price S Contraction | Followy, | 041, 7620016 | The Assistance of the second s | Fillinging Construction Construction | All Analogo Contraction of the second | Alpenio and all (a) | Auril Colling Tan | Aur. | Connair, Paulice, Paulice, Souther, Sou | - SX | (B) Search (1) alance (B) | Di Scans | Futures - Action - Ac | cired. "Interior of | (M + Charles Charles | | TUNE | R R R R R R R R R R R R R R R R R R R |
|--------------|--------------------|---------------------|-----------|--------------|--|--------------------------------------|--|---------------------|-------------------|------|--|------|---------------------------|----------|--|---------------------|----------------------|----|------|---|
| AWA | HD-\$100(R1) | 950.00 | 10-22 ± 1 | 90 | 0.009 | D | Yes | | Yes | Yes | ٧ | Yes | Yes | No | | ſ | 1 | ſ | Р | Yes |
| CLARION | Audia 8100 | 2299.95 | 30-15 | 92 | 0.005 | 0 | Yes | A B/C | No | Yes | V/8/F T | Yes | Yes | No | 12 | 70 | 92 | 12 | s | Yes |
| SHARP | RX-P1(RI) | 1499.99 | 5-22 | 90 | 0.009 | D | Yes | A B/C | Yes | Yes | ٧ | Yes | No | No | | | 1 | | No | No |
| SONY | DTX-10 | 1199.95 | 5-22 | 90 | 0.01 | D | Yes | A/B | Yes | Yes | V/B·F/T | Yes | Yes | No | 12 | 75 | 70 | 24 | | Yes |

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|---------------|-------------------------------|----------------------------|---|--------------|-----------------------------|-------------------|---------------------|-------------------------|-------------------------|----------------------|--|-------------------|-------------------|--|---|
| | / | | / | / | Equalities (E) | | | | | TI ID KHE | / | | | | |
| | | / | | Amo. | \mathbf{r} / \mathbf{r} | 5 | × dB | into s Ohing | ,ioi | 10 | 38° | Constant (2) | Arr. | Peters and | |
| | | | . / | 1 | 0'E0 | Rang | | 1005 | er Ban | alea 490 | 40 | | | Inductors | . / |
| MANUFACTURED | Mode | Price | Pres. | au | inder | S.M. Cur Aange | Walls Change | Full. P. | IHO al C | 3 | And the second s | Inc. Controls | soon . | of Input Jacq | Malles |
| MANUFACTURER | <u> </u> | | <u> </u> | \bigwedge | */ ** | <u>_</u> ~ | 3.0 | <u> </u> | 1 2 2 | `/* | <u>_</u> | | ·/ & | 8 | <u> </u> |
| A/D/\$/ | P\$ 5 | 240.00 | A | | | | 40 | 10-40 ±1 | 0.05 | P/S | | No | Yes | 71/8 x 13/4 x 51/8 | Bridges to 90 watts; operates into |
| | P\$ 5.2 | | A | | | 105 | 40 | 10-40 ±1 | 0.05 | P | | | Yes | 71/8 x 13/4 x 51/8 | 2 ohms. As above. |
| | PQ 8 | 195.00 | A | | | | 20 x 4 | 10-40 ±1 | 0.3 | P/\$ | | No | Yes | 9 ³ /4 x 1 ⁷ /8 x 5 ⁷ /8 | Includes RCA adaptor, Model AC 202; operates into 2 ohms. |
| | PQ 10 PQ 10.2 | 490.00 | A | | | 105 | 80 x 2† | 10-40 ±1 | 0.05 | P/S | | No | Yes | 11 ³ ⁄4 x 2 x 6 ¹ ⁄a | †Two-, three-, or four-channel operation. Operates into 2 ohms. |
| | PQ 20 | 790.00 | Â | | | 103 | 80 x 2† 200 x 2† | 10-40 ±1 10-40 | 0.05 | P P/S | | No | Yes Yes | 11 ¹ / ₄ x 2 x 6 ¹ / ₈ 14 x 2 ³ / ₈ x 8 ¹ / ₄ | As above. |
| | PQ 20.2 | | A | | | 110 | 200 x 2† | ±1 10-40 | 0.05 | P | | | Yes | 14 1 278 1 874 | As above. As above. |
| | PH 12 | 290.00 | A | | | | 20 x 6 | ±1 10-40 | 0.03 | P/S | | No | No | 9¾ x 1½ x 7¾ | Operates into 2 ohms. |
| | PH 15 | 690.00 | A | | | | 50 x 6†† | ±1 10-40 | 0.05 | P/\$ | | No | No | 14 x 2¾ x 8¼ | t†Three-, four-, five-, or six-channel |
| | PH 15.2 | | A | | | 105 | 50 x 6†† | ±1 10-40 ±1 | 0.05 | Р | | | No | 14¼ x 2¾ x 8¼ | operation. As above, As above. |
| AIWA | MA-8500 MA-8400 MA-7400 | 425.00 350.00 | A | | | 98 98 | 60 x 3† 35 x 4 | 10-25 10-25 | 0.045 | P P | No No | Yes No | Yes Yes | 10½ x 2 x 12% 10½ x 2 x 10¼ | †Three- or five-channel operation, Bridges to 60 watts x 2, |
| | MA-2500 MA-6250 | 300.00 99.00 150.00 | A A AE | 7 | 12 | 95 90 | 25 x 4 25 | 10-25 | 0.05 | P P/S | No | No No | Yes Yes | 10½ x 2 x 9½ 5½ x 1¼ x 5% | Bridges to 40 watts x 2. |
| ALPHASONIK | FA-100 FA-150 | 295.00 | A | - · | 14 | 87 95 | 25 50 | 20-30 5-30 | 0.1 | P/S . P | Yes No | No No | Yes Yes | 7 ¹ / ₈ x 1 x 16 2 ¹ / ₂ x 8 ¹ / ₂ x 10 ¹ / ₄ | Bridgeable. |
| | FA-200 PMA-2030i | 395.00 495.00 165.00 | AA | | | 95 95 95 | 75 100 30 | 5-30 5-30 5-30 | 0.01 0.01 0.05 | P | No No | No No | Yes | 2 ¹ / ₂ x 8 ¹ / ₂ x 12 ¹ / ₄ 2 ¹ / ₂ x 8 ¹ / ₂ x 15 | As above. As above. |
| | PMA-2050i PMA-2075i | 199.00 249.00 | Â | | | 95 95 95 | 50 75 | 5-30 | 0.05 | P/\$ P/\$ P/\$ | No No No | No No No | Yes Yes Yes | 21/8 x 71/8 x 57/8 21/8 x 71/8 x 71/2 21/8 x 71/8 x 10 | As above. As above. As above. |
| | PMA-2100i PMA-2150i | 349.00 449.00 | A | | | 95 95 | 100 150 | 5-30 5-30 | 0.01 | P/\$ P/\$ | No No | No No | Yes | 21/a x 71/a x 13 21/a x 71/a x 141/a | As above. As above. |
| | PMA-4035i PAS-1100 | 299.00 295.00 | A | | | 95 90 | 70 x 2† 100 x 1 | 5-30 15-160 | 0.05 | P/\$ P/\$ | No No | No Yes | Yes Yes | 21/a x 71/a x 12 2 x 63/a x 8 | Two-, three-, or lour-channel operation. Mono subwoofer amp; high-pass line |
| | PAS-1060 | 190.00 | A | | | 90 | 60 x 1 | Hz 15-150 Hz | 0.05 | P/S | No | Yes | Yes | 2 x 55% x 6½ | output. Mono subwooler amp, |
| | PQ-7 PS-7B P-2 | 150.00 230.00 300.00 | E | 7 7 5 | 18 18 18 | 95 95 100 | | | 0.02 0.02 0.01 | P/S P/S P | Yes Yes Yes | No † No | Yes Yes Yes | 7 x 1 x 5 7 x 1 x 4% 7 x 1 x 6 | †Subwoofer crossover. Adjustable center frequencies. |
| ALPINE | 3402 3339 | 500.00 420.00 | P/E P/E | 7 11 | 15 12 | 100 100 | | | | P P | No Yes | No Yes | Yes Yes | 9 ¹ /2 x 1 ¹ /2 x 6 ³ /a t | True parametric; four-channel operation, †Control unit, 6¼ x 1½ x ¾; base unit, |
| | 3331 3319 3217 | 260.00 140.00 140.00 | P/E P/E P/A E | 11 7 7 | 12 12 12 | 100 95 90 | 25 | | | P P/S P/S | Yes Yes Yes | Yes No No | Yes Yes | 7 x 1 x 5½ 7 x 1 x 5½ | 7 x 1 x 5%. Includes spectrum analyzer. Adjustable crossover frequency. |
| | 3566 | 660.00 | A | | | 105 | t | 20-20 | 0.08 | P | I GE | Yes | Yes Yes | 7 x 1 x 5 ⁷ /a 10 ³ /a x 2 ¹ /4 x 13 ³ /a | Fader works on preamp and speaker outputs. †Three-, four-, five-, or six-channel |
| | 3558 | 1200.00 | A | | | 110 | | | | P | | | | | operation; six-channel mode, 30 watts x 4 and 60 watts x 2. |
| | 3555 | 500.00 | Â | | | 105 | 30 x 4† 150 x 2† | 20-20 | 0.08 | ltt | | No Yes | Yes | 9½ x 2½ x 15¾ 10¾ x 2¼ x 11½ | †Two-, three-, or four-channel operation. Class A. |
| | | | | | | | | | 0.00 | | | Tua | | 1078 4 2 74 4 1178 | tAs above. ttPreamp-level input included; speaker-level input available with Model 4311 adaptor (\$25.00). Operates into 2 ohms. |
| | 3553 3549 | 390.00 580.00 | A | | | 105 110 | 100 x 2† 100 | 20-20 20-20 | 0.08 0.08 | Ħ | | No Yes | | 10¾ x 2¼ x 10⅔ 10¾ x 2¼ x 11¾ | tAs above. Operates into 2 ohms. Bridges to 300 watts; operates into 2 ohms. |
| | 3548 3547 3544 | 300.00 250.00 750.00 | Å | | | 106 | 60 40 | 20-20 | 0.08 | Ħ | | Yes Yes | | 9½ x 7½ x 2 9½ x 6¼ x 2 | As above but 160 watts. As above but 120 watts. |
| | 3543 3542 | 750.00 550.00 280.00 | AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | | | 110 110 105 | 150 100 60 | 20-20 20-20 20-20 | 0.08 0.08 0.08 | P P P | | No | Yes Yes | 11 ⁷ /a x 2 ¹ /a x 10 ¹ /4 11 ⁷ /a x 2 ¹ /a x 10 ¹ /4 | As above but 400 watts, As above but 300 watts. |
| | 3541 3531 | 230.00 160.00 | A A | | | 105 92 | 40 18 x 4 | 20-20 20-20 20-20 | 0.08 | P P/S | | No No No | Yes Yes Yes | 8% x 2 x 7 8% x 2 x 6¼ 4¾ x 1% x 5% | As above but 160 watts. As above but 100 watts. Operates into 2 ohms. |
| | 3522 3513 | 160.00 130.00 | A | | | 100 | 30 25 | 20-20 20-20 | 0.08 0.08 | P P | | No No | Yes | 81/4 x 17/8 x 51/8 77/8 x 11/2 x 51/8 | As above; bridges to 80 watts. Bridgeable; operates into 2 ohms. |
| | 3503 3362 | 100.00 1200.00 | T T | t | | 92 | 18 | 20-20 | 0.8 | P/S P | Yes | No Yes | Yes Yes | 43/4 x 11/2 x 31/8 | Operates into 2 ohms. †Digital ambience processor with nine |
| | 3617 | 520.00 | t | | | 95 | | | | Р | Yes | No | Yes | 7 x 2 x 5½ | front and nine rear digital EQ bands. Optical digital input. |
| ALTEC LANSING | ALA 552 ALC 11 | 300.00 150.00 | AE | 3 | 12 | 110 | 50 | 10-30 | 0.08 | P/S | No | No | Yes | 3 ¹ /2 x 3 x 10 ³ /4 | †Digital ambience processor. Bridgeable, |
| | ALC 15 ALC 20 | 350.00 650.00 | Ē | 3 5 | 12 12 12 | 100 100 | | | 0.008 0.008 0.003 | P/S P P | No Yes Yes | Yes Yes Yes | Yes Yes Yes | 2 ³ / ₄ x 7 x 3 ¹ / ₈ 3 ¹ / ₄ x 8 ³ / ₈ x 8 2 ¹ / ₂ x 8 ⁷ / ₈ x 14 ⁷ / ₈ | Optional under-dash control unit, Model |
| ANABA AUDID | PA100 | 214.99 | A | | | 97 | 50 | 20-20 | 0.03 | P | | -+ | Yes | | ALC 20C, \$375.00. Bridgeable. |
| | PA200 | 279.99 | A | | | 100 | 100 | ±1 20-20 ±1 | 0.03 | Р | | | Yes | | As above. |
| | PA300 | 334.99 | A | | | 100 | 150 | 20-20 ± 1 | 0.03 | Ρ | | | Yes | | As above. |
| | PA400 | 444.99 | A | | | 101 | 200 | 20-20 ±1 | 0.03 | P | | | Yes | | As above. |
| | PA450 PA4100 | 299.99 459.99 | A A | | | 97 100 | 50 x 4† 100 x 4† | 20-20 ±1 20-20 | 0.03 | P P | | | Yes | | †Two-, three-, or four-channel operation. |
| ^ | | -43.33 | ^ | | | 100 | 100 X 41 | ±1 | 0.03 | r | | | Yes | | |

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1992 A.D

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▲ DIRECT CONNECT,™ ▲ 1% TOLERANT L.N. METAL FILM RESISTORS, ▲ EPOXY DOUBLE SIDED FIBER GLASS PC BOARDS, ▲ 3 INDEPENDANT FORMS OF PROTECTIVE CIRCUITRY, ▲ L.N. SEALED POTENTIOMETERS, ▲ DISCRETE INTERNAL BUILDING BLOCK MODULES, ▲ COMPLEMENTARY CASCODE INPUT STAGES ▲ and SOFT CLIPPING.

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| MANUFACTURER | the original states of the sta | Buice | | | | */** | a a a a a a a a a a a a a a a a a a a | | /2 | ž / | | | | The second second | Moles |
| AUDIO | Dispersion | 139.95 | <u>р</u> | \leftarrow | <u> </u> | (| / | <u> </u> | | T | 1 | Ť | 1- | 1 | f |
| CONNECTION | Module | 133.33 | [r | | | | | | 0.004 | P | No | 1 | Yes | 10½ x 1¼ x 1 | †Optional external crossover filter modules. Eight outputs. |
| AUDIOCONTROL | EQL Series II | 249.00 | P/E | 13 | 12 | 112 | | 1 | 0.005 | P/S | No | No | Yes | 1¼ x 6½ x 8½ | Level-matching preamp; seven-band bass EQ with half-octave spacing, six-band |
| | EQX Series II | 349.00 | PE | 13 | 12 | 112 | | | 0.005 | P/\$ | No | + | Yes | 1¼ x 6½ x 8½ | octave EQ for mids and highs. As above, tProgrammable crossover with |
| | EQQ | 349.00 | PE | 12 | 12 | 110 | | | 0.005 | P/S | No | No | Yes | 21⁄4 x 63⁄4 x 91⁄2 | Linkwitz-Riley alignment. Level-matching preamp; independent EQ |
| | EQT | 299.00 | P/E | 30 | 12 | 110 | | | 0.005 | P/S | No | No | Yes | 2¼ x 6¾ x 9½ | on four channels. Mono; level-matching preamp; ½-octave EQ spacing; constant Q. |
| | ESP-2 | 189.00 | E | 3 | Var. | 110 | | | 0.05 | P | No | No | Yes | 1¼ x 4½ x 5½ | Spatial restoration processor; includes dash-mountable remote control. |
| | ESP-3 | 299.00 | E | 3 | Var. | 110 | | | 0.05 | P | No | Yes | Yes | 1¼ x 5½ x 7 | Proprietary center-channel processor with spatial restoration; high-pass on center |
| | The Epicenter | 189.00 | E | 1 | 15 | 110 | | | 0.005 | P | No | No | Yes | 1½ x 5 x 6 | output; includes remote control. Proprietary bass restoration circuit; |
| | System 90/ Model 20 | 549.00 | A | | | 100 | 70 | 10-50 | 0.09 | P/\$ | No | t | Yes | 121/2 x 61/2 x 21/2 | includes dash-mountable remote control. Includes the Epicenter. †Programmable crossover. |
| | System 90/ Model 40 | 649.00 | A | | | 100 | 40 x 4 | 10-50 | 0.05 | P/\$ | No | 1 | Yes | 121/2 x 61/2 x 21/2 | Includes the Epicenter. †Two programmable crossovers. |
| AUDIOLINK | Powerdriver PO-2 | 129.95 | P | | | 85 | | - | 0.01 | P/\$ | No | t | Yes | ⁷ /8 x 3 ⁷ /8 x 2 ¹ /2 | †Optional. |
| AUDIOVOX | EQ3 AMP-520 | 109.95 59.99 | P/E A | 3 | 12 | 80 85 | 20 | 30-40 | 0.01 | P | No | No | Yes | 4 x 2 ¹ /2 x 2 | For use with model above. |
| | AMP-530 AMP-540 | 89.99 149.99 | Â | | | 85 85 90 | 20 25 50 35 | 30-40 30-40 30-40 | 10 10 10 | P/S P/S P/S | No No No | NO NO NO | Yes Yes Yes | 4 x 1¾ x 6¼ 7½ x 2¾ x 7½ 7½ x 2¾ x 8¾ | |
| | AMP-580 AMP-581 | 175.00 220.00 | Â | | | 90 | 60 | 10-40 | 0.1 | P/S P/S | No | Yes | Yes | 8% x 2 x 8 12% x 2 x 8 | Bridgeable. As above. |
| | AMP-582 AMP-583 AMP-760 | 300.00 350.00 | A | | | 90 | 120 60 x 4 | 10-40 | 0.1 0.1 | P/S P/S | No No | Yes | Yes Yes | 16% x 2 x 8 16% x 2 x 8 | As above. As above. |
| | AMP-777 AMP-785 | 70.00 150.00 125.00 | A/E A/E A/E | 7 7 7 | 12 12 12 | 80 80 80 | 15 18 x 4 18 | 50-20 20-30 20-30 | 10 10 10 | 5 5 5 | Yes | No | No No | 6½ x 1 x 4 6½ x 1½ x 6 | CD input. |
| AUTOTEK | 7040BTS | 199.95 | A | 1 | 12 | 105 | 18 | 20-30 | 0.05 | P | Yes No | No No | No Yes | 61/4 x 13/4 x 51/2 71/2 x 13/4 x 41/4 | Bridgeable; operates into 2 ohms; 18-dB |
| | 7050BTS | 299.95 | A | 2 | | 105 | 22 | 20-20 | 0.015 | P | No | No | Yes | 8 ¹ /4 x 2 ¹ /2 x 4 ³ /4 | boost at 45 Hz; two-way preamp bypass switch. |
| | | | | | | | | | 0.010 | ľ | | | 108 | 074 A 272 A 474 | Bridgeable; operates into 2 ohms; 18-dB boost at 45 Hz and 12-dB boost at 16 kHz; three-way preamp/EQ bypass switch. |
| | 71008TS 71508TS 73008TS | 399.95 549.95 799.95 | Â | 2 | | 105 | 50 75 | 20-20 20-20 | 0.015 | P P | No No | No No | Yes Yes | 8 ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ x 6 ¹ ⁄ ₂ 8 ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ x 8 ¹ ⁄ ₄ | As above. As above. |
| | 7600BTS 7054BTS | 1099.95 569.95 | A A A | 2 | | 105 105 105 | 150 300 22 x 4 | 20-20 20-20 20-20 | 0.015 0.015 0.015 | P P P | No No No | No No No | Yes | 8¼ x 2½ x 14 8¼ x 2½ x 19 | As above. As above. |
| | 7204BTS 7050XX | 759.95 369.95 | Â | 222222222222222222222222222222222222222 | | 105 105 105 105 | 50 x 4 22 | 20-20 20-20 20-20 | 0.015 | P | No No | Yes No | Yes Yes Yes | 8 ¹ / ₄ x 2 ¹ / ₂ x 8 ³ / ₄ 8 ¹ / ₄ x 2 ¹ / ₂ x 11 ³ / ₄ 8 ¹ / ₄ x 2 ¹ / ₂ x 6 ¹ / ₂ | As above. As above. As above but operates into 1 ohm. |
| | 7100XX 9050BTS | 469.95 499.95 | A | 22 | | 105 90 | 50 22 | 20-20 20-20 | 0.015 | P | No No | No | Yes | 81/4 x 21/2 x 81/4 81/4 x 21/2 x 81/4 81/4 x 21/2 x 61/2 | As above but operates into 1 onm. As above. Bridgeable; operates into 0.5-ohm load: |
| | 9100BTS | 899.95 | | | | - | - | | | | | | | | 18-dB boost at 45 Hz and 12-dB boost at 16 kHz. |
| | 70058 7005 | 349.95 399.95 | A E E | 2 15 15 | | 90 100 100 | 50 | 20-20 | 0.04 | P | No | No No | Yes | 8 ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ x 8 ³ ⁄ ₄ 13 x 1 ¹ ⁄ ₂ x 5 ¹ ⁄ ₂ | As above. Trunk-mount. |
| | 7006 7004 | 599.95 279.95 | Ē | 31 | 12 12 | 101 90 | | | 0.04 | P P P | No | No | Yes Yes Yes | 13 x 1½ x 5½ 1½ x 8 x 12½ 1 x 7½ x 4 | As above. As above. Half-DIN size. |
| BLADE TECHNOLDGIES | VTR 100 | 2999.00 | A | | | 95 | 50 | 20-20 ±1 | 0.5 | P | Yes | No | Yes | 15 ³ /4 x 8 ¹ /2 x 8 | Tube design: Class A. switchable to |
| | SE Mono | 499.00 | A | | | 90 | 200 x 1 | 3-20 ± 0.5 | 0.07 | Р | Yes | No | Yes | 5¼ x 6¾ x 1¾ | Class AB1; operates into 2 ohms. Monoblock; two summing inputs; operates into 2 ohms; MOS-FET. |
| | SE4.2 | 899.00 | A | | | 90 | 200 x 2 | 3-20 ± 0.5 | 0.07 | P | Yes | No | Yes | 9% x 6% x 1% | Operates into 2 ohms; MOS-FET. |
| | SE6.3 SE8.4 | 1299.00 1699.00 | A A | | | 90 90 | 200 x 3 200 x 4 | 3-20 ±0.5 3-20 | 0.07 0.07 | P P | Yes | No | Yes | 14½ x 6% x 1% | As above. |
| | SE10.5 | 1999.00 | Â | | | 90 | 200 x 4 | 3-20 ±0.5 3-20 | 0.07 | P P | Yes | No No | Yes Yes | 19 x 6 ⁷ /s x 1 ³ /s 23 ⁵ /s x 6 ⁷ /s x 1 ³ /s | As above. As above. |
| | \$E12.6 | 2499.00 | A | | | 90 | 200 x 6 | ±0.5 3-20 | | P | Yes | No | Yes | 28 x 6% x 1% | As above. |
| | SE C50 | 499.00 | A | | | 90 | 50 x 1 | ±0.5 3-20 | 0.07 | P | Yes | No | Yes | 51⁄4 x 67⁄8 x 1 3 ⁄8 | Monoblock; operates into 1 ohm; |
| | SE C100 | 899.00 | A | | | 90 | 50 x 2 | ±0.5 3-20 ±0.5 | 0.07 | P | Yes | No | Yes | 9% x 6% x 1% | MOS-FET. Operates into 1 ohm; MDS-FET. |
| | SE C200 | 1699.00 | A | | | 90 | 50 x 4 | 3-20 ± 0.5 | | P | Yes | No | Yes | 19 x 6½ x 1¾ | As above. |
| | SE C250 | 1999.00 | A | | | 90 | 50 x 5 | 3-20 ±0.5 | | P | Yes | No | Yes | 23% x 6% x 1% | As above. |
| | 504 CX | 799.00 | • | | | 105 | 50 x 4† | 3-20 ± 0.5 | 0.02 | Ρ | Yes | Yes | Yes | 13 x 5½ x 2% | †Two-, three-, or four-channel operation. Simultaneous stereo and bridged mono output; triamp capable; Class A; operates into 2 ohms; MOS-FET. |
| | 502 | | A | | | 150 | 50 | 3-20 ±0.5 | 0.02 | P | Yes | No | Yes | | mu 2 Ullila, MUƏ-FEI. |
| BLAUPUNKT (Continued) | BMA5350B | 699.95 | ^ | | | 110 | t | 5-100 | 0.05 | Ρ | | π | Yes | 12 x 12½ x 2 | †Three-channel mode, 100 watts x 2 and 150 watts x 1; five-channel, 50 watts x 4 and 150 watts x 1. ††Separate front, rear, |
| | | | | | | | | | | | | | | | and subwoofer crossovers. |

| | | | | 7 | 7 | -7 | 7 | 77 | | 7 | -7 | | / | | |
|--------------------------|---|---|--|---------------------------------|--|--|---|---|---|--|---|--|---|---|---|
| | / | | | | s Equalities (E) | | A. Welling | , Ohne, | | 244 on 145 | e. | • | | | |
| MANUFACTURER | Hoose | S. S. S. | And a state of the | Nume (P) Amp (A) | Boner of ED Bands | SA Realinge | | Full-Port 0 100 4 (| THO AT Bandwich, H. | CIA 490 Output | | Inclusion of the second | PCA : | Climmicon, Inc. | Moles |
| BLAUPUNKT (Centineed) | BQX300 BMA200 | 429.95 329.95 | A . | | | 95 90 | 100 x 2† † | 10-65 †† | 0.1 0.1 | P/S P/S | | Yes Yes | Yes Yes | 9½ x 3 x 12 6½ x 3 x 12 | †Two-, three-, or four-channel operation. †Five-channel mode, 25 watts x 4 and 50 watts x 1, ††20 to 80 Hz for subwoofer channel, 150 Hz to 50 kHz for satellite channels. |
| | BSX150 BQA120 BSA60 BEQ08E BEQ65A BEA120 | 299.95 129.95 99.95 349.95 229.95 149.95 | A A E E A/E | 957 | 12 12 12 | 90 90 90 80 80 80 | 50 30 x 4 18 25 x 4 | 10-65 10-50 10-50 20-20 | 0.1 0.1 0.05 0.03 0.03 | P/S P/S P/S P/S P/S | No Yes Yes Yes | Yes No No Yes No No | Yes Yes Yes Yes Yes Yes | 6 ⁷ /a x 3 x 12 4 ³ /4 x 6 x 15/a 4 ³ /4 x 6 x 15/a 7 x 1 x 5 ¹ /a 2 ¹ /a x 6 ³ /a x ⁷ /a 7 x 1 ³ /a x 5 ⁷ /a | Four EQ presets. Mounted on flexible stalk. |
| CANTON | M 50 | 200.00 | A | | | 94 | 50 x 1 | 20-20 | 0.1 | P/S | | Yes | | 6¾ x 3¼ x 154: | Mono amp module for Model MF 3 or MF 5 Mainframe. Model MF 3, holds three amp modules, 11% x 6% x % inches, \$150.00; Model MF 5, holds five modules, 18% x 6% x % inches, \$200.00. |
| | S 30 | 150.00 | A | | | 94 | 15 | 20-20 | 0.1 | P/S | | Yes | | 6¾ x 3¼ x 1¾ | Stereo amp module, fits Mainframes as above. |
| CARVER | PMA-4075 | 499.95 449.95 | A A | | | 100 | 50 x 4 | 20-20 | 0.2 0.2 | P P/S | Yes | Yes Yes | Yes | 13¾ x 7¾ x 3¾ | Simultaneous stereo and bridged mono output for each pair of channels, with low-pass filtering on bridged output; 9-dB boost at 45 Hz. Simultaneous stereo and bridged mono |
| | PMA-2100 PMA-2062 PMA-2022 | 349.95 259.95 99.95 | A A A | 2 | | 100 100 100 | 75 40 22 | 20-20 20-20 20-20 | 0.2 0.5 0.5 | P/S P/S P/S | Yes Yes | Yes No No | Yes Yes Yes | 11½ x 7¾ x 3¾ 6¼ x 5 x 2½ | output, with low-pass filtering on bridged output; 9-dB boost at 45 Hz. As above, Bridgeable, |
| CLARION | SX-2/3 100E087 703E0A 704E0A 52E0 72E0 72E0 72E0 72E0 05P959 201A 402A 601A 1001A 1601A 1610A 3200A | 499.95 99.95 149.95 199.95 99.95 299.00 499.95 899.95 79.95 189.95 189.95 249.95 329.95 499.95 799.95 | t A/E E E E E E E E A A A A A A A A A A A | 5 7 5 7 7 7 9 | 12 12 12 12 12 12 12 12 12 12 | 90 90 92 92 90 95 85 85 100 94 94 100 103 105 | 25 25 25 x 4 25 x 4 25 x 4 50 80 130 40 x 4 80 x 4 | 20-20 20-20 20-20 10-60 10-60 10-60 10-60 | 0.1 1 1 1 1 0.08 0.08 0.08 0.08 0.08 0.1 0.1 | P S P/S P/S P P P/S P P P P P P P P P | Yes Yes Yes Yes Yes Yes Yes No No No No | Yes Yes Yes Yes Yes | Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | $\begin{array}{c} 12^{1/4} \times 6^{3/4} \times 2^{1/4} \\ 7^{1/6} \times 1 \times 5^{1/6} \\ 7 \times $ | †Sonic Holography spatial processor. †Digital signal processor. Bridgeable. |
| COMPETITION | C-500 C-1000 C-2000 C-4000 C-1004 C-2004 | 349.00 500.00 679.00 425.00 | A A A A A | 1 1 1 | + 18 + 18 + 18 | 100 100 100 100 100 100 | 25 50 100 200 25 50 | 20-20 15-30 15-30 15-30 20-20 20-20 20-20 | 0.01 0.01 0.01 0.01 0.01 0.01 0.01 | P/S P/S P/S P/S P/S P/S | No No No No No | No No No No No | Yes Yes Yes Yes Yes Yes | 9 x 2.6 x 10 9 x 2.6 x 12 9 x 2.6 x 14 9 x 2.6 x 14 9 x 2.6 x 12 9 x 2.6 x 14 | Parametric bass boost. As above. As above. |
| COUSTIC | AMP-660 | 660.00 | A | | | 95 | 50 x 6† | 10-50 | 0.05 | P P/S | No No | No No | Yes Yes | 25½ x 8½ x 2¾ 16¼ x 8½ x 2¾ | †Three-, four-, five-, or six-channel operation. Simultaneous stereo and bridged mono |
| | AMP-460 AMP-360 AMP-260 AMP-160 AMP-268 AMP-108 | 359.95 289.95 219.95 139.95 419.95 139.95 | | | | 95 92 92 70 92 90 | 98 65 45 30 100 x 2†† 16 x 4 | 10-55 10-50 10-50 10-30 10-30 15-25 | 0.05 0.05 0.05 0.05 0.05 0.09 | P/S P/S P/S P/S P/S | No No No No | No No No Yes No | Yes Yes Yes Yes Yes | 13 x 8 ⁷ /s x 2 ³ /s 9 x 8 ⁷ /s x 2 ³ /s 7 ¹ / ₂ x 8 ⁷ /s x 2 ³ /s 8 ⁷ /s x 2 ³ /s x 16 ⁷ /s 5 ⁵ /s x 1 ³ /a x 9 ¹ /a | As above. As above. As above. As above. As above. Throw, three-, or four-channel operation. 6- or 12-0B boost at 45 Hz and 15 kHz; front and rear inputs can be paralleled. |
| | AMP-102 AMP-560 EQ-1100 EQ-1001 | 69.95 1550.00 179.95 114.95 | | 777 | 12 12 | 90 92 90 90 | 16 250 x 4†† | 15-25 10-50 | 0.09 0.05 0.05 0.05 | P/S P P P/S | No No Yes Yes | Na Na Yes Yes | Yes Yes Yes Yes | 5% x 1¾ x 6¼ 38 x 12 x 3¾ 7 x 6 x 1 7 x 6 x 1 | |
| CRAIG | MA2300 MA2160 MA2080 ME101 ME105 | 230.00 150.00 90.00 50.00 70.00 | A A A/E A/E | 7 | 12 12 | 90 80 60 | 70 35 16 15 18 | 20-20 20-20 20-20 20-20 20-20 20-20 | 0.2 0.5 1.0 | P/S P/S P/S S S | Yes | Yes | Yes Yes Yes | 8 ¹ / ₂ x 2 ¹ / ₂ x 9 6 ¹ / ₂ x 2 ¹ / ₂ x 9 4 x 2 ¹ / ₂ x 9 5 ⁷ / ₈ x 1 ¹ / ₈ x 4 ³ / ₄ 5 ⁷ / ₈ x 1 ¹ / ₈ x 4 ⁵ / ₄ | Bridgeable; operates into 2 ohms. As above. |
| CRUNCH | 50 50HC | 299.00 | A | | | 90 95 | 25 25 | 20-20 10-32 | 0.015 | P P | No No | No No | Yes Yes | | Accepts filter, crossover, or EQ module; includes eight-gauge power cables. As above; bridges to 450 watts into 1 ohm. |
| | 100 150 250 400 600 425 450 M60 | 425.00 550.00 1250.00 499.00 650.00 | A A A A A A A t | 3 | | 95 97 97 98 102 93 95 | 50 75 125 200 300 25 x 4 50 x 4 | 10-32 10-32 10-32 10-32 10-32 20-20 10-32 | 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 | P P P P P P P P P P P P P | No No No No No No | No No No No No No No | Yes Yes Yes Yes Yes Yes Yes No | | Accepts filter, crossover, or EQ module; includes eight-gauge power cables. As above. As above. As above. As above. As above. As above. Tequalizer/noise-gate module. |
| CRUTCHFIELD | CR2X30P CR2X50P CR4X30P CR4X50P | 149.00 219.00 229.00 299.00 | A | | | 102 102 102 102 | 30 50 30 x 4† 50 x 4† | 10-50 10-50 10-50 10-50 | 0.02 0.02 0.02 0.02 0.02 | P P P | Yes | No No No No | Yes Yes Yes Yes | 7½ x 1½ x 5½ 7½ x 1½ x 8½ 7½ x 1½ x 1½ x 8½ 7½ x 1½ x 12% 7½ x 1½ x 13¼ | Bridgeable. As above. †Two-, three-, or four-channel operation. |

| | | | / | | je l | · / | | [] | / | ~ | _/ | | $ \ $ | | |
|-----------------------|--|-----------------------------|---------------|-------------|----------------------|----------------------------------|-------------------------------|---|----------------------|-------------------|-----------------|------------------|--------------------------|---|---|
| | / | / | | / | Equalitier (E) | / / | 4 Weighter | o dime | 4 | 244 01 21. | 96. | | | | |
| | | / | / | Ano. | S / 3 | 10° | 90 + Moion | inio # 0 | and the second | 10 | / | top) | Ar. | letter or | sou. |
| | <i></i> | | - / | (d) and (d) | ber of EG | S.M. Cur Range | Walls Change 20 | 06. | THO at 6 | ELA-100 | Le Construction | finc: Control? | | Olmensions, Inc. | |
| MANUFACTURER | Model | Price | and a second | | Ban | 2 × 3 | Mathe | Full. | ONI | | | 100. 100. | BC. | Oime | Holes |
| DENON | DCA-800 DCA-600 | 600.00 450.00 | A | 1 | + 16 | 100 | 40 x 6† | 20-20 | 0.05 | P | No | tt | Yes | 14½ x 2¾ x 11 | †Three-, four-, five-, or six-channel operation. ††Subwoofer crossover. |
| | DCA-500 DCA-400 DCA-3150 | 300.00 200.00 150.00 | Â | 1 | + 16 + 16 + 16 | 100 100 95 90 | 40 x 4† 40 30 12 x 4 | 20-20 20-20 20-20 20-20 20-20 | 0.05 | P P P | No No No | No No No | Yes Yes Yes | 97/a x 21/a x 125/a 97/a x 21/a x 77/a 97/a x 21/a x 65/a | †Two-, three-, or four-channel operation. Bridgeable. As above. |
| | DCA-3120 DCE-2190 CAMI | 80.00 220.00 270.00 | A E E | 9 | 12 12 | 90 97 | 12 | 20-20 | 0.5 0.5 0.005 | P | No No Yes | No No Yes | Yes Yes Yes | 91/4 x 13/4 x 6 47/8 x 13/8 x 35/8 7 x 1 x 53/8 | Selectable crossover frequency. |
| | DCE-250 CAMI DCL-420 | 160.00 | P | t | 12 | 95 95 | | | 0.008 0.008 | P P/\$ | No | No t | tt Yes | 8½ x 1½ x 4 8½ x 1½ x 5½ | †12 front EQ bands, 12 rear. ††Supplied by modules below. Four-channel controller; auto source |
| | CAMI DCL-410 | 100.00 | Р | | | 95 | | | 0.008 | P/\$ | No | 1 | Yes | 8½ x 1% x 5% | switch. †Dptional. Four-channel controller. †Optional. |
| EARTHQUAKE | PA-2300 PA-2150 | 899.00 749.00 | A | | | 110 105 | 300 150 | 10-32 10-32 | 0.015 | P P | No No | No No | Yes Yes | 2 ³ / ₄ x 9 x 16 2 ³ / ₄ x 9 x 13 | Bridgeable; operates into 2 ohms; 18-dB bass boost and 12-dB treble boost. As above, |
| | PA-2075 PA-2050 PA-2030 | 549.00 489.00 330.00 | A A A | | | 99 97 94 | 75 50 30 | 10-32 10-32 10-32 | 0.015 | P P | No No No | No No No | Yes Yes | 23/4 x 9 x 13 23/4 x 9 x 11 23/4 x 9 x 11 23/4 x 9 x 5 | As above. As above. |
| | PA-2020 PA-4300 PA-4030 | 325.00 1499.00 549.00 | Â A | | | 90 110 94 | 20 300 x 4 30 x 4 | 10-32 10-32 10-32 10-32 | 0.015 | P P P | No No | No No | Yes Yes Yes | 2 ³ / ₄ x 9 x 6 2 ³ / ₄ x 9 x 33 | As above. As above. As above. |
| | PA-4050C PA-4020C | 729.00 559.00 | A A | | | 97 90 | 50 x 4 20 x 4 | 10-32 10-32 | 0.015 0.015 | P P | No No No | No Yes Yes | Yes Yes Yes | 2 ³ / ₄ x 9 x 11 2 ³ / ₄ x 9 x 11 2 ³ / ₄ x 9 x 11 | As above. As above. As above. |
| ECLIPSE | EUM-2420 EUM-2410 EUM-2204 | 499.95 399.95 99.95 | A A A | | | 105 103 84 | 50 x 4† 25 x 4† 11 | 20-20 20-20 20-20 | 0.03 0.03 0.1 | P P P | | | Yes Yes Yes | 13¾ x 2¾ x 10 13¾ x 2¾ x 10 5½ x 1¾ x 2 | †Two-, three-, or four-channel operation. |
| | EQS-1000 EQS-1001 | 799.95 649.95 | 11 11 | | | 90 90 | | | 0.08 | P P | Yes | Yes Yes | Yes | 7 x 2 x 61/s 73/s x 15/s x 61/4 | ttDigital sound processor with ambient center-channel output. Mounts in trunk or under seat; controlled |
| | | | | | | | | | | | | | | | by Model EQZ-301 (see "Radios"), ECD- 411 (see "CD Players"), or EQR-1100 (\$199.95), |
| EXXESS Electronixx | EX-420 EX-240 EX-260-4 | 102.00 67.85 41.50 | A A A | | | 89 89 85 | 210 120 65 x 4 | 20-20 20-20 20-20 | 0.05 0.05 0.05 | P/S P/S P/S | No No No | Yes Yes | Yes Yes | | Bridgeable. As above, |
| | EX-260-2 AMP + 400-2 AMP + 400-4 | 36.00 52.00 67.85 | Â A A | | | 85 85 85 85 | 130 200 100 x 4 | 20-20 20-20 20-20 20-20 | 0.05 | P/S P/S P/S | No No No | | Yes Yes Yes Yes | | |
| FAS | PE75S PE60 | 125.00 114.95 | P/E P/E | 777 | 12 12 | | | | | P/S P/S | Yes Yes | Yes No | Yes | 7 x 1 x 5 ¹ /2 7 x 1 x 5 ¹ /2 | |
| | PA200 PA140 PA425 | 329.00 279.00 99.95 | A A A | | | | 160 110 25 x 4 | 5-30 5-30 20-20 | 0.05 0.05 1 | Р Р Р/\$ | No No No | No No No | Yes Yes Yes | 12 ¹ /2 x 8 ³ /4 x 2 8 ³ /4 x 8 ³ /4 x 2 6 ¹ /2 x 1 ¹ /2 x 4 ¹ /2 | Front and rear gain controls. |
| FULTRON | PA25 16-0150M 16-0100M | 69.95 449.95 349.95 | A A A | | | 95 05 | 25 150 100 | 20-20 20-30 | 1 | P/\$ P | No | No No | Yes Yes | 51/2 x 11/2 x 41/2 133/4 x 2 x 71/2 | Bridgeable; operates into 2 ohms. |
| | 16-0075M 16-0050M 16-0025M | 279.95 229.95 199.95 | A A A | | | 95 95 95 95 85 85 | 75 50 | 20-30 20-30 20-30 | 0.05 0.05 0.05 | P P P | | No No No | Yes Yes Yes | 11 ³ / ₄ x 2 x 7 ¹ / ₂ 10 x 2 x 7 ¹ / ₂ 7 x 2 x 7 ¹ / ₂ | As above. As above. As above. |
| | 16-0425M 15-0050 | 299.95 199.95 | A A | | | 95 95 85 | 25 25 x 4 50 | 20-30 20-30 10-50 | 0.05 0.05 0.08 | P P P/S | No | No No | Yes Yes Yes | 7 x 2 x 7½ 8 x 2 x 7½ 9½ x 1¾ x 9½ | As above. As above. Bridgeable. |
| | 15-0450 15-0425 15-0225 | 299.95 99.95 55.95 | A A A | _ | | 75 69 | 50 x 4 25 x 4 25 | 10-50 10-50 10-50 | 0.08 0.05 1 | P/S P/S P/S | No No No | | Yes Yes Yes | 11¼ x 1¾ x 9½ 7½ x 2¼ x 5% 4 x 1½ x 4¾ | As above. |
| | 15-0740 15-0730 | 189.95 79.95 | A-E | 7 10 | 12 12 | 75 65 | 20 x 4 13 x 4 | 20-35 20-20 | 0.05 1 | P/S P/S | Yes Yes | Yes No | Yes Yes | 1 x 6 ¹ /s x 7 1 x 4 ¹ /2 x 7 | Programmable; includes spectrum analyzer. |
| G & S DESIGNS | 16-0737 PA-4X | 199.95 399.99 | E P E | 4 | 18 18 | 110 95 | | | 0.005 | P P | Yes Yes | Yes No | Yes Yes | 1 x 7 x 35/8 | Parametric. Parametric EQ. |
| HAFLER | MSE-100tn Trans-Nova | 399.00 | A | | | 100 | 50 | 20-20 | 0.05 | P/S | | | Yes | 2 x 9½ x 8¾ | Bridges to 170 watts; MOS-FET. |
| | MSE-200tn Trans-Nova MA4 | 549.00 499.00 | A | | | 100 100 | 100 150 x 2† | 20·20 20-20 | 0.05 0.05 | P/S | No | No | Yes Yes | 2 x 14 x 8 ³ /4 12 x 9 x 3 ¹ /2 | As above but bridges to 370 watts. |
| | M\$E40 | 199.00 | A | | | 110 | 20 | 20-20 | 0.05 | P | No | No | Yes | 85% x 5 x 21/4 | †Two-, three-, or four-channel operation. MOS-FET. Bridges to 75 watts; MOS-FET. |
| | M\$E80 M\$E120 M\$E-460 | 299.00 349.00 369.00 | A A P/E | 3 | 12 | 110 110 | 20 x 4 20 x 6 | 20-20 20-20 | 0.05 0.05 | P P P/S | No No t | No No | Yes Yes Yes | 85% x 8 x 2¼ 85% x 11¼ x 2¼ | As above but bridges to 75 watts x 2. As above but bridges to 75 watts x 3. †Faded and nonfaded outputs. CD and |
| | MAQ104 | 349.00 | E | 10 | 12 | 90 | | | | | No | No | Yes | 10 x 8 x 1¾ | tape inputs. Four-channel operation; octave spacing; turn-on delay. |
| HARMAN KARDON | TC600 | 1300.00 | A | | | 100 | 300 | 10-100 | 0.1 | P/S | No | No | Yes | 16% x 12% x 31/4 | Simultaneous stereo and bridged mono output. |
| | TC4000 TC300 | 1000.00 800.00 | A A | | | 100 100 | 100 x 4† 100 | 10-100 10-100 | 0.1 0.1 | P/S P/S | No No | No No | Yes Yes | 165% x 12½ x 3¼ 14% x 12½ x 3¼ | Two-, three-, or four-channel operation. Simultaneous stereo and 300-watt bridge |
| | CA1400 | 499.00 | A | | | 100 | 35 x 4† | 10-100 | 0.1 | P/\$ | No | No | Yes | 125% x 93% x 21/4 | mono output. Simultaneous stereo and bridged mono output. |
| | CA70 CA600 CA30 | 329.00 319.00 159.00 | A A A | | | 100 100 100 | 35 15 x 4 15 | 10-100 10-100 10-100 | 0.1 0.1 0.1 | P/S P/S P/S | No No No | No No Mo | Yes Yes Yes | 105% x 63/4 x 21/4 125% x 63/4 x 2 71/4 x 63/4 x 2 | As above. |
| | | 103,00 | 2 | | | 100 | 10 | 10-100 | 0.1 | F/ð | 110 | m0 | 1.42 | 174 X 074 X Z | |
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Chronicle

Since 1976, Coustic has consistently created and manufactured some of the highest quality equipment on the car audio market.

From its introduction in 1978, the memorable RX-3000 has drawn incredible consumer demand. In the early eighties, the unforgettable EQ-8370 maintained strong popularity for an amazing stretch of seven years. Then, of course, there was the AMP-500/300 power amplifier series with its superb sonic reproduction capability.

The HZ Shaper[™] (U.S. Pat. D302,556 & D302,695) speaker series was invented to solve inherent acoustic problems created within the automobile interior, while the highly successful RX-500 radio series achieved legendary status. Continuing in Coustic's tradition of quality and innovation...



AMP-380/190 Automotive Power Amplifier

Since its introduction in 1985, the AMP-380/190 has become an industry classic. It is the first amplifier ever designed to utilize HEXFET* components in its Pulse Width Modulated (PWM) power supply.



EQ-1030 Real-Time Analyzer/ Pre-Amp/Active Crossover

Selected as "one of the most innovative consumer products of 1986" at the Innovations '86 Design & **Engineering Exhibition** event held at the 1986 International Summer Consumer Electronic Show, The EQ-1030, a programmable 7-band EQ designed with pink noise generator, microphone and detachable electronic crossover, is the first and only product of its kind ever to be created for the automotive environment.



XM-3 Mobile Electronic Crossover (U.S.Pat. #4,905,284)

The most popular and widely imitated electronic crossover ever created, the trend-setting XM-3 is well recognized in the industry for its unique features.

"The XM-3 is an installer's dream come true... but the real beauty lies in the crossover's ability to be configured for practically any amplifier/speaker system you can think of... it's a very useful product and a tremendous value."

Michael Smolen User's Evaluation, CAR STEREO REVIEW Summer 1988

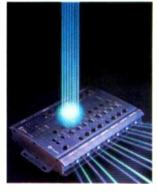


AMP-460 Power Logic Component Amplifier

The first of Coustic's *Power Logic* Component automotive power amplifier line, the AMP-460 was honored as *"one of the most innovative consumer products of 1990"* at the **Innovations '90 Design & Engineering Exhibition**.

"It offers an excellent design, quality construction, reliable operation, and great sonics while avoiding the distraction of useless bells and whistles... in short, this is a very cost-effective but still hi-fi amplifier."

Ken C.Pohlmann Test Reports, CAR STEREO REVIEW May/June 1990



XM-7 Multi-Function Mobile Electronic Crossover (Patent Pending)

The "reference standard" for electronic crossover design technology, the XM-7 was recognized as another "one of the most innovative consumer products of 1990" at the **Innovations '90** event.

RTA-33 30-Band One-Third Octave Real Time Analyzer. (Patent Pending)

The world's smallest, most powerful and amazingly accurate Real Time Analyzer, the RTA-33, earned Coustic yet another honor as *"one of the most innovative consumer products of 1991"* at the **Innovations '91**. Utilizing DSP technology, the RTA-33 represents a major breakthrough in precision instrumentation.

"The 33 is an excellent RTA. In terms of design, Coustic's engineers have stepped up to the plate and hit a home run. No other RTA offers this combination of small size, versatility, special features, precision, and price... The RTA-33 simply rewrites the rules." Ken C.Pohlmann User's Evaluation, CAR STEREO REVIEW Jan/Feb 1992



RX-739 Car Radio/Cassette

An evolutionary improvement, Coustic's new 1992 series of full-featured Car Radio/Cassette Players is a fusion of technological ingenuity, functionality and dynamic ergonomics.



DA-55 Dual Single-Bit Digital to Analog Processor with 18-Bit Resolution

Designed and handcrafted in the United States, DA-55 represents the debut of Coustic's new premiere **Design Reference** series. Coustic again sets the standard for design excellence.

At Coustic, creative imagination combined with serious dedication is a tradition.



4260 Charter Street Vernon, CA 90058-2596 USA Phone: 213-582-2832 Fax: 213-582-4328

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| MANUFACTURER | , and the second | area area | | Y (d) dues | aumber o | Sa Cur Asinge | Wallo Cha | Full Charles | NO THE | Por El | | And Contraction of the second se | Selection of the select | Cland And And | holes |
| HIFONICS | Cupid VIII | 195.00 | A | | | 98 | 22 | 20-20 | 0.05 | P | No | No | Yes | 1 ⁷ /8 x 7 ¹ /2 x 5 ¹ /8 | Bridgeable; MOS-FET; accepts up to 13-V |
| | Pluto VIII Vulcan VIII Odin VIII Thor VIII Boltar VIII Zeus VIII Colossus VIII Juno VIII | 260.00 345.00 420.00 560.00 725.00 870.00 1800.00 300.00 | A A A A A | | | 107 110 112 114 116 118 116 98 | 35 50 75 125 200 300 600 22 x 4 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 | PPPPPPPPPPPPP | No No No No No No | No No No No No No | Yes Yes Yes Yes Yes Yes Yes Yes | 2½ x 8¾ x 6⅓ 2½ x 8¾ x 6⅓ 2½ x 8¾ x 6⅓ 2½ x 8¾ x 7¾ 2½ x 8¾ x 11⅓ 2½ x 8¾ x 15½ 2½ x 8¾ x 26½ | signais. As above but accepts up to 9-V signals. As above. As above. As above. As above. As above. Bridgeable: MOS-FET; accepts up to 13-V |
| | Jupiter VIII Europa VIII | 360.00 450.00 | | | | 107 107 | 35 x 4 35 x 4 | 20-20 20-20 | 0.02 | P | No | No Yes | Yes | | signals. As above but accepts up to 9-V signals. As above; crossover variable from 50 Hz |
| | Gemini VIII Olympus VIII Aphrodite VIII | 625.00 870.00 975.00 | A | 6 | | 109 114 98 | 50 x 4 110 x 4 50 x 6 | 20-20 20-20 20-20 | 0.02 0.02 0.02 | P P P | No No No | Yes Yes t | Yes Yes Yes | 2½ x 8¾ x 11¾ | to 5 kHz. As above. As above. 1 Three-way crossover, variable from 45 Hz to 5 kHz. Bridgeable; MOS-FET; |
| | Cyclops VIII Hercules VIII | 365.00 520.00 | | | | 113 | | 20-20 | 0.02 | P | No | Yes | Yes | 2½ x 8¾ x 6½ | accepts up to 9-V signals. Monoblock; crossover variable from 43 to 550 Hz; MOS-FET; accepts up to 9-V signals. |
| | Atlas VIII Ulysses VIII | 740.00 550.00 | | | | 116 119 106 | 25 | 20-20 20-20 20-20 | 0.02 0.02 0.02 | P P P | No No No | Yes Yes No | Yes Yes Yes | 2 ¹ / ₂ x 8 ³ / ₄ x 11 ³ / ₈ 2 ¹ / ₂ x 8 ³ / ₄ x 17 ³ / ₈ 2 ¹ / ₂ x 8 ³ / ₄ x 11 ³ / ₈ | As above. As above. Bridgeable; MOS-FET; accepts up to 9-V |
| | isis VIII Eros VIII Titan VIII Cleo VIII | 900.00 360.00 440.00 110.00 | A A E | 3 | 12 | 110 107 110 103 | 50 35 50 | 20-20 20-20 20-20 | 0.02 0.02 0.02 0.02 | P P P | No No No | No No No No | Yes Yes Yes Yes | 2 ¹ / ₂ x 8 ³ / ₄ x 17 ³ / ₈ 2 ¹ / ₂ x 8 ³ / ₄ x 6 ¹ / ₈ 2 ¹ / ₂ x 8 ³ / ₄ x 7 ³ / ₄ 1 x 7 x 3 ¹ / ₂ | signals; operates into 0.5-ohm load. As above. As above but operates into 1 ohm. As above. Quasi-parametric; variable center frequencies; separate left and right EQ controls; with Cupid VIII amp, \$260.00; with Pluto VIII, \$345.00, with Odio VIII, |
| | Plato VIII | 210.00 | E | 10 | 12 | 103 | | | 0.02 | P | No | No | Yes | 1 x 8¾ x 47⁄a | \$489.00. Quasi-parametric; variable center frequencies; separate left and right EQ controls. |
| HOLLYWOOD | Epsilon VIII RS-A50E | 230.00 | P/E | 4 | 12 | 103 97 | 25 | 20-20 | 0.02 | P P | Yes No | No No | Yes Yes | 1 x 73/8 x 41/8 | Half-DIN size; backlit. |
| SOUNO LABS | RS-A25E HSL-A100X HSL-A50X | 391.00 393.00 299.00 | Â | | | 93 92 | 12.5 50 | 20-20 20-20 | 0.009 0.05 | P P/S | No No | No Yes | Yes Yes | | 18-dB bass and treble boost; operates into 1 ohm. As above. 12-dB bass and treble boost; operates into 2 ohms. |
| THE HOTT SET-UP | HS2.125 | 629.00 | A A | - | | 85 100 | 25 125 | 20-20 10-30 | 0.05 | P/8 | No No | Yes No | Yes Yes | 14 x 8½ x 2¼ | As above Bridgeable, |
| | HS2.75 HS2.50 T25.4 T25.2 T50.2 | 519.00 359.00 369.00 239.00 299.00 | A A A A | | | 100 100 100 100 100 | 75 .50 25 x 4 25 50 | 10-30 10-30 10-30 10-30 10-30 | 0.03 0.03 0.03 0.03 0.03 0.03 | P P P P | No No No | No No No No | Yes Yes Yes Yes Yes | 12 x 8 ¹ / ₂ x 2 ¹ / ₄ 10 x 8 ¹ / ₂ x 2 ¹ / ₄ 11 ¹ / ₄ x 6 ¹ / ₄ x 2 7 ¹ / ₂ x 6 ¹ / ₄ x 2 9 ¹ / ₂ x 6 ¹ / ₄ x 2 | As above. As above. As above. As above. As above. |
| IMPACT | AX-100 | 229.95 | A | 1 | + 12 | 90 | 50 x 1 | 15-500 Hz | 0.05 | P/S | No | t | Yes | 21/4 x 71/2 x 7 | Mono subwoofer amp; operates into 2 ohms. †Low-pass filter, adjustable |
| JBL | AX-160 | 299.95 | A | 1 | + 12 | 90 | 80 x 1 | 15-500 Hz | 0.05 | P/S | No | t | Yes | 2¼ x 7½ x 8 | from 50 to 500 Hz. As above, †Mono low-pass and storeo high-pass filters, adjustable from 50 to 500 Hz. |
| JDL | GTQ400 | 549.00 | | | | 100 | 200 x 2† | 10-40 | 0.05 | P | No | Yes | Yes | 17½ x 8½ x 2¾ | †Two-, three-, or four-channel operation. Simultaneous stereo and bridged mono output; biamp capable. |
| | GTQ200 GTQ100 GTS150 GTS50 | 399.00 179.00 289.00 119.00 | A | | | 100 95 100 95 | 100 x 2† 18 x 4 50 18 | 10-40 10-35 10-30 10-35 | 0.05 0.5 0.05 0.5 | P P/S P P/8 | No No No | Yes Yes No No | Yes Yes Yes Yes | 14½ x 8% x 2% 11½ x 4¼ x 2% 11½ x 8% x 2% 8½ x 4¼ x 2% | As above. Biamp capable. Bridges to 150 watts; simultaneous stereo and bridged mono output. |
| JENSEN | A220 A320 A432 A4320 | 199.95 299.95 329.95 330.00 | A A A A | | | 85 85 85 85 | 50 75 100 x 2† 125 x 2† | | 0.5 0.5 0.5 0.5 | S S P/S | | No No No No | Yes Yes Yes Yes | 7 ³ / ₄ x 2 x 7 ³ / ₄ 7 ³ / ₄ x 2 x 7 ³ / ₄ 7 ³ / ₄ x 2 x 9 ³ / ₄ 7 ³ / ₄ x 2 x 15 ⁵ / ₈ 16 ³ / ₄ x 2 ³ / ₈ x 9 ³ / ₈ | Bridgeable. As above. †Two-, three-, or four-channel operation. Simultaneous stereo and bridged mono |
| | A43288E | 380.00 | A | | | 85 | 125 x 2† | | 0.5 | P/S | | No | Yes | 16¾ x 2¾ x 9¾ | output; operates into 2 ohms. Includes BBE harmonic-restoration processing; operates into 2 ohms. |
| JVC | A82 A84 EQA78 EQA111 EQA77 EQA110 | 70.00 130.00 109.00 139.00 137.95 137.95 | A A/E A/E P/E P/E | 7 10 7 10 | 12 12 12 12 12 | 85 85 85 85 85 85 | 18 18 x 4 18 x 4 18 x 4 18 x 4 | | 1 1 0.5 0.5 | P/S P/S P/S P/8 | Yes Yes | No No No Yes Yes | Yes Yes Yes Yes | 5% x 13% x 5% 5% x 13% x 5% 5% x 1 x 5% 5 x 1 x 5% 7 x 1 x 5% 5 x 1% x 5% 7 x 1% x 5% 7 x 1% x 5% | processing: operates into 2 onms. Floating ground. As above. Malf-DIN size; Illumination. As above. |
| | KS-A51 KS-A102 KS-A202 KS-AG112 KS-AG214 | 99.95 179.95 349.95 279.95 499.95 | ~ ~ ~ | | | 90 90 90 100 | 12 30 60 45 40 x 4t | 40-20 40-20 40-30 20-20 20-20 | 0.8 0.08 0.04 0.04 0.04 | P/8 P P P | | | Yes | 1 ¹ / ₄ x 6 x 3 ¹ / ₄ 1 ⁵ / ₈ x 9 x 5 ³ / ₄ 2 x 10 ⁷ / ₈ x 7 2 ¹ / ₄ x 11 ⁷ / ₈ x 5 ⁵ / ₈ 2 ¹ / ₄ x 11 ⁷ / ₈ x 10 ³ / ₄ | Bridgeable. As above. As above; operates into 2 ohms; MOS-FET. Atus these or femaneses into 2 ohms; |
| (Continued) | KS-AG404 KS-EA200 KS-EA400 KS-E35 | 549.95 179.95 229.95 149.95 | A AE AE E | 7 7 7 | 12 12 12 | 90 90 90 90 | 60 x 4† 12 12 x 4 | 20-20 40-20 40-20 | 0.04 0.8 0.8 0.03 | P P P P | Yes Yes Yes | | | 2 ¹ ⁄ ₄ x 11 ⁷ ⁄ ₈ x 10 ³ ⁄ ₄ 2 ¹ ⁄ ₄ x 11 ⁷ ⁄ ₈ x 12 ¹ ⁄ ₄ 1 x 7 ¹ ⁄ ₈ x 6 1 x 7 ¹ ⁄ ₈ x 6 1 x 7 ¹ ⁄ ₈ x 6 | Two-, three-, or four-channel operation, Operates into 2 ohms; MOS-FET; low-pass filter, TAs above. Low- and high-pass filters. Illumination. As above. As above. |

Digital Access

Since the advent of CD technology, the Car Audio Industry has experienced a steady demand to improve digital sound reproduction. And now, presenting Coustic's latest family of digital products — brilliantly designed to take advantage of current technology while keeping options open for the future.

Because D/A Conversion is the most critical element of the digital audio system, Coustic has created the DA-55, an advanced Digital to Analog Processor especially for the car audio environment. Designed and handcrafted in the United States, the DA-55's introduction represents the debut of Coustic's new premiere Design Reference series. Now, car audio enthusiasts can really hear what they have been missing.

Set's excellent phase response results in superior sound imaging.

Multiple digital formats such as CD, DAT, and the emerging DCC technologies are all compatible with the DA-55. The three digital inputs (two coaxial and one optical), as well as sampling frequency are automatically selected by a special Auto Input Sensing Circuit (AISC).

Coustic's DA-55 features Class A, all discrete, Optimized Transient Response (OTR) analog output circuitry with *true balanced outputs* for sonic excellence, and low impedance outputs to drive lengthy cable with very little distortion. Totally separate power supply and ground plane between the digital and analog sections minimizes crosstalk and low-level digital noise.



The DA-55 utilizes a U.S. made Dual Single-Bit Chip Set design with 18-Bit Resolution, which incorporates a Dual 8 Times Oversampling Digital Filter, a 64 Times Oversampling Fifth Order Delta-Sigma Modulator, as well as an Ultralinear Digital to Analog Filter Set (a Fourth Order Butterworth Switched-Capacitor Filter with multiple feedback loops followed by a Second Order Butterworth Analog Filter). The Filter

Mil-Spec double-sided glass epoxy printed circuit board, Cardas internal wiring, WIMA or Roederstein capacitors, Gold-plated RCA connectors, and a custom CNC machined, all-aluminum chassis are some of the other highquality components included in the DA-55 construction.

Coustic's dedicated commitment to quality assures that the DA-55 will set the excellence standard for accuracy and performance.



Open Access CD Changer

To compliment the DA-55's debut, Coustic announces the CC-55 10-Disc Dual Single-Bit CD Changer with 8 Times Oversampling Digital Filter. Featuring a digital output with SPDIF format, the CC-55 gives your system open access to any future developments in the world of digital technology.

Complete with Remote Control, the CC-55 lets you choose advanced features like Shuffle Play, Intro Scan, Repeat Disc, Repeat Track, Track Skip, Music Search and much more without touching a single disc or taking your eyes off the road. You can even connect two changers together via the separately available Dual Changer Interface and play 20 discs through the same remote.

Not only is it easy to use, the CC-55 can be simple to install. With an optional RF Modulator, the CC-55's audio output connects to any existing audio system through the car's antenna loop. Or the CC-55 can connect directly to your existing system through an auxiliary input offering greater dynamic range.

A specially engineered, Oil-Damped, Anti-Skip Free-Float Suspension system maintains unsurpassed disc tracking accuracy, whether the CC-55 is mounted vertically or horizontally even on the roughest roads. A Ground Isolator is included to eliminate noisy hum or ground loop whine. The CC-55 includes everything you will need in one complete package!

FM/AM CD Player with Great Features

For in-dash application, Coustic introduces the latest CD-303 High Power FM/AM CD Player offering loads of great features. An Auxiliary Input lets you directly connect Coustic's CC-55 or any remote operated CD changer, or play your portable cassette player.



Coustic's Optimizer V circuitry provides FM reception comparable to the audio quality of the CD player itself! The CD-303 features Low Vibration Anti-Skip Floating Suspension which provides perfect disc tracking even on rough rides.

Bi-Level Fader Control lets you simultaneously adjust the relative level of front/rear pre-amp and speaker outputs. Features like Intro Scan, Shuffle Play, Repeat Track, Auto Station Memories, Preset Scan and much more are all standard.

Front panel illumination is switchable to either green or amber. The Pull-out Chassis provides security and portability. The Coustic CD-303 is one of the most complete, full-featured CD Players available.

Engineered for the sophisticated audio enthusiast, Coustic's family of digital products are designed with options to access the future.



4260 Charter Street Vernon, CA 90058-2596, USA Phone: 213-582-2832 Fax: 213-582-4328

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|---|-------------------------|---|---|---|----------|---------------------------|---|---|--|---|--|---|--|--|---|--|
| ALMUTATURER | | / | / | | | noi, Equaliter (E) | . | ^c of ^{L.Wei} thied | o e Olime | | ? / | * / | r (8) | | | |
| APC (Editabase) R4.87.7 (Scientified) 249.45 E T 12 12 12 12 12 12 12 12 13 15 | MANUFACTURER | Moder | Price . | o de la | id) an | nber of EQ B _a | S.W.D. Handle | Valle Channello | Euli-Poor In | THO at P. | man Ela 490 04 | Constants | here Company | PC. | C (nput Jacks) | |
| Continuend) XX-515100 200.00 P 0 <td></td> <td><u>/</u></td> <td>(</td> <td><u> </u></td> <td>_</td> <td></td> <td></td> <td></td> <td>/</td> <td></td> <td><u> </u></td> <td>Í –</td> <td>-</td> <td></td> <td>í</td> <td></td> | | <u>/</u> | (| <u> </u> | _ | | | | / | | <u> </u> | Í – | - | | í | |
| KS-DP100 399.35 1 I < | (Continued) | | | | | | | | | | 1 | | | | | As above. |
| R.S. OF 100 SPS. 35 T F | | | | | | | | | | 0.00 | 1 | | | | 2 4 7 /8 4 0 /8 | patterns; includes spectrum analyzer; |
| Additional Actional Actio | | KS-DP100 | 599.95 | t | | | 85 | | | 0.02 | P | | | | tt | tDigital signal processor with four preset and four programmable sound fields; five- step digital bass control. ttHide-away unit, 2 x 67% x 5; controller, 2 x 67% x 17%. Selectable subwoofer cutoff, 80 or |
| KEC-4022 249.00 A 5 10 | KAWASAKI | | | | _ | | | 25 x 4 | 20-20 | 0.08 | <u> </u> | | Yes | Yes | 7 x 2 x 6 | |
| REG. 4862 Pic 1 | KENWOOD | | | | | | | | | | P | | † Yes | | | Parametric EQ; includes spectrum |
| Add. 2-23 (Add. 2-22 (Add. 2-22 (Add. 2-22 South A (Add. 2-22< | | KGC-4032 | 199.00 | AE | | | 100 | | 2-100 | 0.3 | P/S | Yes | | Yes | 7 x 1 x 61/a | Simultaneous stereo and bridged mono |
| AKE-722 298 00 A F No PS No No Ter Ter <thter< th=""> <thter< th=""> Ter</thter<></thter<> | | KAC-823 | 399.00 | A | | | 105 | 70 | 2-100 2-100 | 0.3 | P/S P/S | No No | | | 10¾ x 2¼ x 9⅓ 10¾ x 2¼ x 8¾ | As above. |
| ARC-842 193.00 A Image: Constraints and bidged means and bidged mean | | | | | | | | | 2-70 | 0.5 | P/S | No | No | Yes | 10¾ x 2¼ x 6¾ | As above. †Two-, three-, or four-channel operation. |
| KAC-322 79.00 A Image: state of the | | | | | | | | | | | | No | No | Yes | 8¾ x 1½ x 7¾ | Simultaneous stereo and bridged mono |
| RESEARCH XMA-150-U 2000 0 A F | | KAC-322 | 79.00 | Α | | | | | | 0.8 1 | P/S P/S | | | | | |
| KMP-186-U 500.00 1 v 90 Value 0.71 P Yes No 2 ± 14 0 ± 10 P = 2 ± 10 P = 10 ± 10 | KINERGETICS RESEARCH | | | _ | | | | | 1 | | | 1 | | | | input. |
| KEC-4 MAZAR SOUND 66 365 KK-2553 KK-2553 KK-2553 S0 305 KA A E F F S 5 12 S0 S0 12 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 | | | | | | | | 5U X 4 | 20-200 | 0.05 | P | | | | | †Balanced preamp with D/A converter |
| LARZAR SOUND ZE010 TOPS BS P/E 10 12 00 TOP Mot Yes Hys | KRACO | KEC-4 KA-2525 KA-5050 | 69.95 99.95 154.95 | A Ē A A | | 12 12 | 65 65 75 | 15 12 30 | 20-20 20-30 20-30 | 10 0.5 0.5 | S P/S P/S | Yes No No | No No No | No Yes Yes | 4 x 4½ x 1¼ 7 x 6½ x 2 8 x 8 x 8 | |
| L.A. SDUND Ventura 2008T 349.00 A 2 12 50 12 10 | LANZAR SDUND | L2E050 L250S L2100S L2160S L2160S L2180SM L2240S L2260S L2400S L2600S L2600S LXR90 LXR180 LXR180 LXR180 LXR180 | 339.95 299.95 399.95 549.95 699.95 759.95 749.95 1099.95 180.00 290.00 290.00 425.00 | P/Ē A A A A A A A A A A A A A A A A | | 12 18 | 102 89 95 94 97 101 102 92 92 100 100 | 50 80 180 x 1 60 x 4 125 200 300 25 25 x 4 50 100 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.01 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.018 0.018 0.01 0.01 | P P P P P P P P P P | Yes No No No No No No No No No No | No No Yes Yes No No No No No No | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | $\begin{array}{c}1 x 7 x 4\\2 y_2 x 9 x 5^{3} 4\\2 y_2 x 9 x 7 y_2\\2 y_2 x 9 x 7 y_2\\2 y_2 x 9 x 8^{3} 4\\2 y_2 x 9 x 8^{3} 4\\2 y_2 x 9 x 12 y_8\\2 y_2 x 9 x 12 y_8\\2 y_2 x 9 x 16\\2 y_2 x 9 x 16\\2 y_2 x 8 x 16\\2 x 8 x 12\\2 x 8 x 14\\2 x 8 x 18\end{array}$ | Hait-DIN size. Bridgeable. As above. Monoblock. Bridgeable; biamp capable. Bridgeable; bass boost. As above. As above. Bridgeable. Simultaneous stereo and bridged mono |
| Laguna 190 299.00 A B 6 75 r 2, 20 r 2 9-50 0.05 P/S Yes Yes 2 ³ / ₂ x 9 ³ / ₂ x 14 ⁴ / ₄ Controls: operates into 2 ohms. Bridgesble: operates into 2 ohms. Hermosa 150 249.00 A B 75 r 2, 20 r 2 9-50 0.05 P/S No Yes 2 ³ / ₄ x 9 ³ / ₄ x 1 ⁴ / ₄ As above. As above. Operates into 2 ohms. Redocado 2 189.00 A B B 0.025 P/S No Yes 2 ³ / ₄ x 9 ³ / ₄ x 1 ⁴ / ₄ As above. As above. Pris 1005 As above. As above. Pris 1005 As above. Pris 1002 As above | L.A. SDUND | | | | 2 | 12 | | | | | <u>+</u> | + | + + | | | Bridgeable: separate front and rear tone |
| Hermosa 150 Mailbu 10 199.00 LP 1005 249.00 139.00 139.00 LP 1005 A bit 100 189.00 129.00 LP 1005 A bit 100 199.00 129.00 LP 1005 A bit 100 109.00 129.00 LP 1005 A bit 100 109.00 129.00 LP 1005 B bit 100 109.00 129.00 LP 1005 B bit 100 109.00 129.00 LP 1005 B bit 109.00 100 129.00 LP 1005 B bit 109.00 100 100 129.00 B bit 109.00 100.05 A bit 100.00 100.05 A bit 100.00 A bit 20.00.00 | | Laguna 190 | 299.00 | A | | | 86 | | 9-50 | 0.05 | 1 | | | | | controls; operates into 2 ohms. |
| LE 25 69.00 A E 7 12 80 25 x 4 20.20 1.0 P/S Yes No Yes Bridgeable. LAZER LA2030 249.00 A 100 25 20.20 0.05 P/S Yes 8/4 x 1/9 x 10 As above. LA2050 139.00 A 100 50 20.20 0.05 P/S Yes 8/4 x 1/9 x 10 As above. As above. LA4050 439.00 A 100 50 20.20 0.05 P/S Yes 8/4 x 1/9 x 10 As above. As above. LA202 249.00 A 100 20 20.20 0.05 P No Yes 8/2 x 16 Bridgeable: operates into 2 ohms. LA202 249.00 A 100 20 20-20 0.02 P No Yes 8 x 2 x 4 Simultaneous stereo and bridgeatinge on on output: operates into 2 ohms. LA203 299.00 A 100 20 x 3 20-20 0.02 | | Malibu 100 Redondo 80 Zuma 40 LP 1205 LP 1005 LE P512 | 189.00 139.00 89.00 109.00 59.00 119.00 | A A A A P/E | 5 | | 88 80 80 80 80 80 100 | 75 50 20 x 4 20 60 | 9-50 10-20 10-20 15-20 | 0.025 0.09 0.09 1.0 1.0 0.05 | P/S P/S P/S P/S P/S P/S | | Yes No No | Yes Yes Yes Yes Yes Yes | 2¾ x 9¼ x 9½ 2¾ x 9½ x 6½ 2¾ x 9½ x 3½ Haif DIN | As above. Operates into 2 ohms. As above. Bridgeable. Dual source inputs. |
| LAZER LA2025 219.00 A A 100 25 20-20 100 100 100 100 100 100 100 100 100 100 20-20 0.05 P/S Yes Yes 8/4 1/9 100 A A 100 30 20-20 0.05 P/S Yes Yes 8/4 1/9 100 As above. LA4050 439.00 A 1000 50 20-20 0.05 P/S Yes Yes 8/4 1/9 X10 As above. As above. <td></td> <td>1</td> <td>129.00</td> <td>A/E</td> <td>7</td> <td>12</td> <td>80</td> <td>]</td> <td></td> <td>1.0</td> <td>P/S</td> <td>Yes</td> <td>No</td> <td>Yes</td> <td>mait UIN</td> <td>Bridges to 65 watts x 2; includes spectrum analyzer.</td> | | 1 | 129.00 | A/E | 7 | 12 | 80 |] | | 1.0 | P/S | Yes | No | Yes | mait UIN | Bridges to 65 watts x 2; includes spectrum analyzer. |
| LA2030 249.00 A 100 30 20.20 0.05 P/S Yes 8/a x 1/a x 10 As above. LA2050 319.00 A 100 50 20.20 0.05 P/S Yes 8/a x 1/a x 10 As above. LA2050 LA2050 1100.00 A 100 50 x 4 20.20 0.05 P Yes 8/a x 1/a x 10 As above. LA202 249.00 A 100 20 20.20 0.02 P No Yes 8 x 2 x 16 Bridges to 800 watts into 0.5-ohm load; MOS-FET. LA203 299.00 A 100 20 x 3 20-20 0.02 P No Yes 8 x 2 x 7 Bridges to 800 watts into 0.5-ohm load; MOS-FET. LA203 299.00 A 100 20 x 3 20-20 0.02 P No Yes 8 x 2 x 7 Two-, three-, four-, five-, or six-channel optration. Optrates into 2 ohms. LA204 369.00 A 110 75 20-20 0.05 P No No Yes 8 x 2 x 16 Optrates into 2 ohms. LA752 <td>LAZER</td> <td>LA2025</td> <td>219.00</td> <td>A</td> <td>/</td> <td>12</td> <td>100</td> <td>25</td> <td>20-20</td> <td>0.05</td> <td>P/S</td> <td>Yes</td> <td>\rightarrow</td> <td></td> <td>8¼ x 1½ x 10</td> <td></td> | LAZER | LA2025 | 219.00 | A | / | 12 | 100 | 25 | 20-20 | 0.05 | P/S | Yes | $ \rightarrow $ | | 8¼ x 1½ x 10 | |
| LA203 LA204 299.00 289.00 LA204 A 100 A 20 x 3 100 20 x 3 20 x 4† 20-20 20 z 0 0.02 0.02 P No No No Yes 8 x 2 x 7 Themesource and management output operates into 2 ohms. LA203 LA204 299.00 A A 100 20 x 3 20 x 4† 20-20 0.02 P No No Yes 8 x 2 x 7 tTwo-, three-, four-, five-, or six-channel operation. Operates into 2 ohms. LINEAR POWER The Runt 65210 99.95 (429.95) A 16 40-20 0.75 P/S No No Yes 8 x 2 x 76 tTwo-, three-, four-, five-, or six-channel operates into 2 ohms. LINEAR POWER The Runt 99.95 A 16 40-20 0.75 P/S No No Yes 13/a x 4 x 4½ yes 13/a x 4 x 4½ 55210 299.95 A 122 20-20 0.05 P/S No No Yes 2 x 74 x 5½ yes x 4 x 4½ yes 2 x 74 x 5½ 2 x 74 x 5½ yes x 4 x 4½ yes 2 x 74 x 5½ 2 x 74 x 5½ | | LA2030 LA2050 LA4050 LA252 HCD | 249.00 319.00 439.00 1100.00 | A A A | 5 | | 100 100 100 110 | 30 50 50 x 4 25 | 20-20 20-20 20-20 20-20 20-20 | 0.05 0.05 0.05 0.05 | P/S P/S P P | | Yes Yes Yes No | Yes Yes Yes Yes | 8 ¹ /4 x 17⁄a x 10 8 ¹ /4 x 17⁄a x 11 8 ¹ /4 x 17⁄a x 11 8 ¹ /4 x 17⁄a x 17 8 x 2 x 16 | As above. As above. As above. Bridges to 800 watts into 0.5-ohm load; MOS-FET. |
| LA204 369.00 A 100 20 x 4t 20.20 0.02 P No No Yes 8 x 2 x 7 tTwo-, three-, four-, four-, four-, or six-channel operates into 2 ohms. LINEAR POWER The Runt 99.95 A 110 75 20.20 0.055 P No No Yes 8 x 2 x 7 tTwo-, three-, four-, | | | | | | | | | | _ | ľ | | 1 1 | | | Simultaneous stereo and bridged mono output; operates into 2 ohms. |
| LA/52 499.00 A 110 75 20-20 0.005 P No No Yes 8 x 2 x 16 Operates into 2 ohms; MOS-FET. LINEAR POWER The Runt 65210 179.95 A 16 40-20 0.75 P/8 No No Yes 8 x 2 x 16 Operates into 2 ohms; MOS-FET. LINEAR POWER The Runt 65210 179.95 A 32.5 20-20 0.12 P/8 No No Yes 2 x 74/a x 5½ 45210 249.95 A 32.5 20-20 0.01 P/8 No No Yes 2 x 74/a x 5½ 95210 299.95 A 47.5 20-20 0.01 P/8 No No Yes 2 x 74/a x 5½ 95210 299.95 A 75 20-20 0.07 P/8 No No Yes 2 x 74/a x 5½ 250210 599.95 A 125 20-20 0.05 P/8 No No Yes 2 x 74/a x 9½ Mono | | LA204 | 369.00 | Ä | | | 100 | 20 x 4† | 20-20 | 0.02 | P | No | No | | 8 X 2 X 7 8 X 2 X 7 | †Two-, three-, four-, five-, or six-channel operation, Operates Into 2 ohms. |
| 65210 179.95 A 32.5 20.20 0.13 P/S No No Ves 2 x 734 x 5½ 45210 249.95 A 22.5 20.20 0.01 P/S No No Yes 2 x 734 x 5½ 95210 299.95 A 22.5 20.20 0.01 P/S No No Yes 2 x 734 x 5½ 150210 299.95 A 75 20-20 0.05 P/S No No Yes 2 x 734 x 5½ 250210 299.95 A 75 20-20 0.05 P/S No No Yes 2 x 734 x 5½ 250210 399.95 A 75 20-20 0.05 P/S No No Yes 2 x 734 x 9½ 250210 599.95 A 125 20-20 0.05 P/S No No Yes 3 x 9½ x 14½ 250210 999.95 A 125 20-20 0.12 P/S No No </td <td>LINEAR POWER</td> <td></td> <td></td> <td></td> <td><u> </u></td> <td> </td> <td>110</td> <td></td> <td>1</td> <td></td> <td>l.</td> <td></td> <td>\rightarrow</td> <td></td> <td></td> <td>Operates into 2 ohms; MOS-FET.</td> | LINEAR POWER | | | | <u> </u> | | 110 | | 1 | | l. | | $ \rightarrow $ | | | Operates into 2 ohms; MOS-FET. |
| | | 65210 45210 95210 150210 250210 500210 | 179.95 249.95 299.95 399.95 599.95 999.95 | A A A A A | | | | 32.5 22.5 47.5 75 125 250 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.12 0.01 0.05 0.07 0.05 0.12 | P/S P/S P/S P/S P/S | No No No No | No No No No No | Yes Yes Yes Yes Yes Yes | 2 x 7¾ x 5½ 2 x 7¾ x 5½ 2 x 7¾ x 7½ 2 x 7¾ x 7½ 3 x 9½ x 12 | Mono subwoofer amo |
| | (Continued) | | | | L | | | | | 0.00 | 1 | | .03 | 149 | L R F / T R 372 | |

Definition

"It's difficult to explain just how important a role a crossover plays in a good automotive stereo system... the ability to adjust both the low/mid and mid/high crossover points as well as the overall output is crucial to balancing your system... a crossover-tweaked system can have nearperfect tonal balance as well as a smooth, spacious sound and an improved sound stage." Michael Smolen. User's Evaluation.

XM-7 Multi-Function Mobile Electronic Crossover (Patent Pending)

Honored as "one of the most innovative consumer products of 1990" at the Innovations '90 Design & **Engineering Exhibition** event held at the 1990 International Summer Consumer Electronic Show. this powerful, multifunction electronic crossover is a masterpiece of audio engineering. It may very well become the reference standard for electronic crossover design technology.



Features:

- **Exclusive Infinite Electronic** Crossover Design
- Dual 4-Way Crossovers for Bi-Quad-Amp Systems
- Front/Rear Inputs with Front/ Rear/Subwoofer Outputs
- Separate Front/Rear Parametric Equalizer with Gain, Frequency and Bandwidth Adjustments
- Constant Subwoofer Outputs Asymmetrical Electronic
- Crossover Frequency Multiplier
- Parallel Input Switch
- Woofer/Enclosure Equalization
- Phase Inverter for Subwoofer
- Output Adjustable Output Level
- Stereo/Mono Subwoofer
- Gold Plated RCA Connectors
- Power On and Remote Indicators
- Low Battery Indicator



XM-5 Mobile Electronic Crossover (Patent Pending)

The XM-5 eliminates compromises normally associated with many installations and provides near perfect system tonal quality with superior imaging. It features unique mono front center channel for perfect sound staging as well as rear center channel for rear-fill ambience. Coustic's XM-5, newest member of the awesome XM family, may set the standards against which all electronic crossovers will be judged.

Features:

- Exclusive Infinite Electronic Crossover Design
- Flexible 2, 3-Way Crossovers for Multi-Amp Systems
- Front/Rear Inputs with Front/ Rear/Subwoofer Outputs
- Constant Subwoofer Outputs Mono Front and Rear Center
- Channel Outputs
- Asymmetrical Electronic
- Crossover
- Frequency Multiplier Parallel Input Switch
- Woofer/Enclosure Equalization Phase Inverter for Subwoofer Output
- Adjustable Output Level
- Stereo/Mono Subwoofer
- High/Low Impedance Inputs Built-in Floating/Common
- Ground Adapto
- Gold Plated RCA Connectors

XM-3 Mobile Electronic Crossover (U.S. Pat No. 4,905,284)

The XM-3 is an installer's dream come true... but the real beauty lies in the crossover's ability to be configured for practically any amplifier/speaker system you can think of ... it's a very useful product and a tremendous value.'

Michael Smolen User's Evaluation, CAR STEREO REVIEW Summer 1988



Features:

- Exclusive Infinite Electronic Crossover Design
- Front/Rear Inputs with Front/ Rear/Subwooter Outputs
- Constant Subwoofer Outputs Asymmetrical Electronic
- Crossover
- Frequency Multiplier
- Parallel Input Switch
- Woofer/Enclosure Equalization Phase Inverter for Subwoofer
- Output
- Adjustable Output Level
- Stereo/Mono Subwoofer





XM-1 Mobile **Electronic Crossover**

The XM-1 provides two separate sets of crossover frequencies for high and low pass circuits. Powerful, vet simple, the XM-1 perfectly matches any subwoofer/woofer and mid/tweeter combination in the audio system.

Features

- Asymmetrical Electronic Crossover
- High/Low Impedance Inputs
- Built-in Floating/Common Ground Adaptor
- Adjustable High-Pass and Low-Pass Crossover Frequencies
- Adjustable Input Sensitivity Gold Plated RCA Connectors
- Compact, Low-Profile Cabinet Design

Coustic's family of XM's is designed with an elegant, modular approach to system performance and expansion. From the most complex and exotic to the simplest single crossover system, XM defines award-winning car audio.



| | | / | | / | 7 | | 7 | 77 | | 7 | | 7 | 7 | | / / |
|----------------------|---|--|---|-------------------|----------------------|--|---|--|--|--|--|--|--|---|--|
| | / | / | | , | Equalizar (E) | ? | | | / | the the | | / | | | / / |
| | | , | | | S / . | sta / | 08. A.Weilohted | o + Ohme | | Owner The | 3. 9/0. | Ē | | | |
| | | | / | | LED B | 2 | 100 | 101 Info | Contraction . | 10 061 | | and the second sec | Contraction of the second | | • |
| MANUFACTURER | . Hoole | Pice | | (d) out | Bander of ED B | and Court | Walls Chang. | Corte- | | Per ElA 190 Ou | | And Control of the second | No. | Climentices I | tons |
| LINEAR POWER | 2001SW | 499.95 | | /- | e / 60" | / " | 200 x 1 | 20-5 | 0.05 | | 7 | Yes | F Q | 2 x 7¥4 x 12 | <i>{</i> |
| (Continued) | 8002SW PA-1 PA-II | 1599.95 199.95 349.95 | A PE P/E | 3 4 | 12 16 | 100 105 | 800 x 1 | 20-20 | 0.09 | P/S P/S P/S P/S | Yes | No No | Yes Yes Yes | 3 ¹ / ₂ x 1 ⁹⁴ x 12 3 ¹ / ₂ x 10 x 17 1 x 6 ¹ / ₂ x 3 ¹ / ₂ 1 x 6 ¹ / ₂ x 3 ¹ / ₂ | As above. Monoblock. Half-DIN size; two-input switching. Half-DIN size; 32-d8 gain; with separate, wired controls for custom mounting, Model PA-II-R, 5499-95. |
| | 4253 4503 4753 2202 Servo | 399.00 499.95 599.95 999.95 | A A A A | | | | 25 x 4 50 x 4 75 x 4 220 x 1 | 20-20 20-20 20-20 20-1 | 0.08 0.08 0.08 0.05 | P/S P/S P/S P/S | | Yes Yes No | Yes Yes Yes Yes | 2 x 10 x 8 2 x 10 x 10 2 x 10 x 12 3 x 9 ¹ / ₂ x 9 ³ / ₄ | Servo mono subwoofer amp; includes four 8-inch subwoofers (see "Speakers"). |
| | 5002 Servo | 1799.95 | A | | | | 500 x 1 | 20-1 | 0.05 | P/S | | No | Yes | 3 x 91/2 x 141/2 | As above but with two 12-inch subwoofers. |
| MAJESTIC | MAX AMP 50 MAX AMP 100 MAX AMP 150 MEB700FC MEB2010 MEB1070S MEB7300 | 250.00 300.00 400.00 79.95 89.95 99.95 199.95 | A A A E P/A E A E A E | 7 10 7 7 | 12 12 12 12 | 80 80 65 65 70 70 | 50 100 150 30 50 40 | 20-20 20-20 20-20 20-20 20-20 20-20 | 0.05 0.05 0.05 | P P P/S P/S P/S | No No Yes Yes Yes | No No No No No | Yes Yes Yes Yes Yes | 7 ³ / ₄ x 8 ¹ / ₄ x 2 ¹ / ₄ 11 x 8 ¹ / ₄ x 2 ¹ / ₄ 15 ¹ / ₂ x 8 ¹ / ₄ x 2 ¹ / ₄ 5 ³ / ₅ x 1 x 5 ¹ / ₅ 7 x 1 ¹ / ₄ x 5 ¹ / ₅ 7 x 1 x 5 ¹ / ₂ | Bridgeable. As above. Floating and common ground. As above; passive EQ capability. Includes spectrum analyzer; boost bypass switch; floating and common ground. |
| | MEDIGUU | 199.90 | AL | ľ | 12 | /0 | 50 x 4 | 20-20 | | P/S | Yes | No | Yes | 6¾ x 2 x 6¾ | Includes spectrum analyzer and pink- noise generator with mike; four EQ memories; CD input jack; floating and |
| | MPA7000 MPA8000S | 79.95 89.95 | P/E P/E | 7 | 12 12 | 65 70 | | | | P | Yes | No | Yes | 5½ x 1½ x 4 | common ground. Illuminated panel; floating and common ground. |
| | MPA6PG MPA8500S | 99.95 109.95 | P/E P/E P/E | 5 7 | 12 12 12 | 100 70 | | | 0.1 0.02 0.02 | P/S P/S P/S | Yes No Yes | Yes No Yes | Yes Yes Yes | 7 x 1 x 5½ 7 x 1 x 4½ 7 x 1 x 4½ | Floating and common ground. Parametric. Four-channel operation; 9-V powering for |
| | MPA7 Cobra MA60 | 159.95 49.95 | P/E A | 7 | 12 | 65 50 | 20 | F0 45 | 0.3 | P/S | Yes | No | Yes | 2 x 6 ¹ /2 x 1 | portable CO players; CO input. Gooseneck; subwoofer output; common and floating ground. |
| | MA120 MA160A | 79.95 119.95 | Â | | | 50 65 70 | 30 50 80 | 50-15 20-20 20-20 | 0.9 0.1 0.05 | P/S P/S P/S | No No No | No No Yes | Yes Yes Yes | 4 ¹ / ₂ x 1 x 5 ¹ / ₂ 8 ⁵ / ₈ x 2 ³ / ₈ x 3 ³ / ₄ 5 ¹ / ₈ x 2 ¹ / ₂ x 7 ⁷ / ₈ | BTL output circuit. Bridgeable; MOS-FET; operates into |
| | MA550H0 MA770SW MA8900A MA9100A | 169.95 249.95 69.95 189.95 | A A A A | | | 70 70 80 80 | 50 80 40 36 | 20-20 20-20 20-20 20-20 20-20 | 0.05 0.05 1 0.05 | P/S P/S P/S P/S | No No No | No Yes No No | Yes Yes Yes Yes | 7 ⁷ /8 x 7 ⁷ /8 x 2 ¹ /2 7 ³ /8 x 8 ⁵ /8 x 3 ⁵ /8 5 x 1 ³ /4 x 4 ³ /4 10 ¹ /2 x 2 ³ /4 x 6 | 2 ohms. As above. As above. BTL circuitry. Bridgeable; MOS-FET; Class A for 2-ohm |
| | MA9300SW MS9400SW MA9500SW MA9800A MA430HD | 249.95 269.95 299.95 599.95 279.95 | A A A A A | | | 80 80 80 80 80 | 50 75 100 200 70 x 2† | 20-20 20-20 20-20 20-20 20-20 20-20 | 0.05 0.05 0.05 0.05 0.05 0.05 | P/S P/S P/S P/S P/S | No No No No No | Yes Yes Yes Yes No | Yes Yes Yes Yes Yes | 10 ¹ / ₂ x 2 ³ / ₄ x 8 10 ¹ / ₂ x 2 ³ / ₄ x 9 ¹ / ₄ 10 ¹ / ₂ x 2 ³ / ₄ x 10 10 ¹ / ₂ x 2 ³ / ₄ x 18 10 ¹ / ₂ x 2 ³ / ₄ x 18 | operation. As above. As above. As above. As above. TWo-, three-, or four-channel operation. TWo-, three-, or four-channel operation. |
| MAXITRON | MA460HD MA-3500 MA-4500 | 299.95 115.95 | A | - | | 80 80 | 300 x 2† 75 | 20-20 20-20 | 0.05 | P/S P/S | No | No No | Yes Yes | 11 x 2 ³ /4 x 11 ¹ /4 8 ¹ /2 x 2 ¹ /8 x 8 | As above. Bridgeable. |
| MEI | MQ-1100 DA7255 | 184.95 63.95 329.95 | A A/E A | 10 | 12 | 80 75 | 100 40 110 | 20-20 20-20 20-20 | 0.05 | P/S S | Yes | No No | Yes Yes | 81/2 x 21/8 x 10 11/4 x 61/2 x 51/4 | As above. |
| | DA7440 DA7230 DA7220 DA72210 PA7420 PA7420 PA7220 EA6100 EA6200 EA6300 EA6350 | 322.55 279.95 224.95 165.95 79.95 59.95 59.95 59.95 79.95 99.95 169.95 | A A A A A A E A E A E A E | 7 7 7 7 | | 95 95 95 75 75 70 70 70 70 | 50 x 4 70 50 15 x 4 12 x 4 12.5 12.5 12.5 12.5 x 2, | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-25 20-25 20-25 | 0.5 0.5 0.5 0.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 | P/S P/S P/S P/S P/S P/S P/S P/S | No No No No No No Yes Yes Yes Yes | Yes No No No No No No No No No | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | $\begin{array}{c} 14 x 9^{1/2} x 2^{1/4} \\ 14 x 9^{1/2} x 2^{1/4} \\ 1^{1/6} x 9^{1/2} x 2^{1/4} \\ 7^{1/4} x 9^{1/2} x 2^{1/4} \\ 7^{1/2} x 4^{1/2} x 1^{3/4} \\ 6 x 4^{1/2} x 1^{3/4} \\ 6 x 4^{1/2} x 1^{3/4} \\ 7^{1/4} x 6^{1/6} \\ 7^{1/6} x 6^{1/6} \\ 7^{1/6} x 1^{1/6} x 6^{1/6} \\ 7^{1/6} x 1^{1/6} x 6^{1/6} \\ 7^{1/6} x 1^{1/6} x 5^{1/2} \\ 7^{1/6} x 1^{1/6} x 1$ | Bridgeable. As above. As above. As above. |
| | EA6470 EP6250 | 199.95 | A/E | 7 | | 70 | 20 x 2 12.5 x 2, 20 x 2 | 20-25 | 0.8 | P/S | Yes | No | Yes | 7 x 2 x 7½ | |
| METROSOUND | MPX 504 MPX 752 MPX 402 MPX 420 MPX 280 MQ 9900 | 89.95 250.00 200.00 150.00 120.00 70.00 70.00 | E A A A A A E | 7 | 10 | 70 80 80 80 80 80 80 80 | 50 x 4 75 40 20 20 | 23-30 20-30 10-41 17-40 20-30 20-20 | 0.05 0.03 0.90 0.90 1.0 | S P/S P/S P/S P/S P/S P/S | Yes | Yes | Yes Yes Yes Yes Yes Yes Yes | 7 x 1 x 5 ³ /4 8 ⁷ /a x 2 ⁵ /a x 16 ⁷ /a 8 ⁷ /a x 2 ⁵ /a x 12 ⁵ /a 8 ⁷ /a x 2 ⁵ /a x 11 ⁷ /a 7 x 2 ¹ /2 x 6 ¹ /2 7 x 1 ³ /4 x 5 ¹ /4 | Bridgeable; operates into 2 ohms. As above. As above. Bridgeable. |
| MILBERT | MQ 99071 MQ 9807p BaM-230 | 100.00 100.00 1895.00 | A/E P/E | 77 | 10 12 | 80 80 90 | 35 | 20-20 20-60 | 1.0 2 | P/S P P/S | Yes Yes No | No Yes No | Yes Yes Yes | 6 ¹ ⁄ ₄ x 1 ⁷ ⁄ ₁ x 6 ¹ ⁄ ₄ 7 x 1 x 5 ¹ ⁄ ₄ 18 x 4 ¹ ⁄ ₂ x 6 ³ ⁄ ₄ | CO input. As above. Bridgeable; tube design. |
| AMPLIFIERS | TC-2R TC-4R | 670.00 830.00 | P E P/E | 22 | 10 10 | 90 90 | | | 2 | P P | Yes Yes | Yes Yes | Yes Yes | 7 x 2 x 4 ¹ /2 7 x 2 x 4 ¹ /2 | Tube/transistor design. As above. |
| ELECTRONICS | MM-50 MM-100 MM-150 MM-250 | 468.95 610.95 751.95 1059.95 | A A A | | | 85 89 97 100 | 25 50 75 125 | 10-40 10-40 10-40 10-40 | 0.05 0.05 0.05 0.05 | P P P | No No No No | NO NO NO NO | Yes Yes Yes Yes | | Bridgeable. As above. As above. As above. |
| MOBILE. Authority | 106zx 110zx 122zx 124zx 126zx 130zx 158zx 178zx | 159.95 189.95 279.95 299.95 329.95 169.95 249.95 149.95 | A A A A A A E E | 777 | 12 12 | 89 89 105 105 105 115 90 70 | 90 90 x 4 100 150 100 x 4 40 120 | 18-30 18-30 12-50 12-50 12-50 8-45 20-12 | 0.5 0.5 0.02 0.02 0.02 0.02 0.02 0.03 0.03 | P.P.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S | No No No No No No Yes Yes | NO NO NO NO Yes Yes | Yes Yes Yes Yes Yes No No | 2 x 9 ³ /4 x 71/4 2 x 9 ³ /4 x 10 15 ³ /4 x 9 ³ /4 x 2 ¹ /8 2 x 9 ³ /4 x 4 7 x 1 ³ /8 x 5 ³ /4 | As above. As above. Bridgeable. As above. As above. As above. As above; MOS-FET. Includes spectrum analyzer; CO input. Gooseneck. |

AUDIO/MAY 1992



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| | / | | / | | ED Bans (A). | | 18 Vishied | Ohme | | 244 OF 20. | e)(e. | | | | |
| MANUFACTURER | Moder | - Silice | | (c) dine | Bonner of ED Bann | S.M. Cul Range | Mallo, 08, 4-Weighten Parts Chans, 4-Weighten Port, 5-Chans, 4-Weighten | Full P. | THO at 6 Bandwildh, H. | -or ElA-100 Output | in the second | first Controls | P.C. | Dimensions, inc. | tones |
| MONOLITHIC | <u> </u> | (| ŕ. | \square | ~~~~ | \vdash | | 1 | <u> </u> | 1 | \vdash | <u> </u> | <u> </u> | | <i>(</i> |
| SOUNO | PA-100 PA-200 PA-400 PA-700 PA-1000S PA-1000Q PA-1000F PA-1000X | 99.00 149.00 249.00 399.00 499.00 549.00 599.00 649.00 | A A A A A A A | | | 100 100 | 20 x 1 20 x 4 70 50 25 x 4 25 x 4 25 x 4 25 x 4 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.1 0.1 | P/S P P P P P P | Yes | Yes | Yes Yes Yes Yes Yes Yes Yes | 4 ¹ / ₄ x 15/ ₈ x 4 ¹ / ₄ 4 ¹ / ₄ x 15/ ₈ x 4 ¹ / ₄ 4 ³ / ₄ x 15/ ₈ x 4 ¹ / ₄ 6 ¹ / ₂ x 2 ³ / ₄ x 6 ³ / ₄ 6 ¹ / ₂ x 2 ³ / ₄ x 9 ¹ / ₂ 6 ¹ / ₂ x 2 ³ / ₄ x 11 ¹ / ₂ 2 ³ / ₄ x 11 ¹ / ₂ x 6 ¹ / ₂ 2 ³ / ₄ x 11 ¹ / ₂ x 6 ¹ / ₂ | Mono center-fill or subwoofer amp. Operates into 2 ohms. Operates into 1 ohm. Operates into 2 ohms. Crossover frequency adjustable from |
| | PA-2000 PA-2000M PA-2400 PA-2400F PA-2400X | 499.00 549.00 549.00 599.00 649.00 | A A A A | | | | 100 240 x 1 60 x 4 60 x 4 60 x 4 | 20-20 20-20 20-20 20-20 20-20 20-20 | | P P P P | Yes | Yes | Yes Yes Yes Yes Yes | 6 ¹ / ₂ x 2 ³ / ₄ x 9 ¹ / ₂ 6 ¹ / ₂ x 2 ³ / ₄ x 9 ¹ / ₂ 6 ¹ / ₂ x 2 ³ / ₄ x 11 ¹ / ₂ 6 ¹ / ₂ x 2 ³ / ₄ x 11 ¹ / ₂ 6 ¹ / ₂ x 2 ³ / ₄ x 11 ¹ / ₂ | 20 Hz to 15 kHz. Operates into 2 ohms. Monoblock; operates into 1 ohm. Operates into 2 ohms. Biamp capable; independent high- and |
| | PA-5000 Class A 50S Class A 50 EQ-4 PEQF | 1199.00 499.00 599.00 359.00 | A A P/E P/E | 4 | 18 | 105 | 240 25 50 x 1 | 20-20 20-20 20-20 | | P P P | Yes | | Yes Yes Yes Yes | 13 x 3 ¹ / ₂ x 11 ¹ / ₂ 6 ¹ / ₂ x 2 ³ / ₄ x 6 ³ / ₄ 6 ¹ / ₂ x 2 ³ / ₄ x 10 1 ¹ / ₂ x 4 ³ / ₄ x 3 ¹ / ₂ 1 ¹ / ₄ x 7 x 4 | low-pass crossover frequencies. Operates into 1 ohm. Class A. As above; monoblock. BI-FET; Illumination. Parametric EQ; half-OIN size; illumination. |
| MTX ROAD THUNDER | RTA225 RTA250 | 119.95 299.95 | A A | | | 85 90 | 25 50 | 20-20 20-20 | 0.08 0.05 | P/S P/S | | No No | Yes Yes | 5 ⁷ /8 x 5 ³ /4 x 1 ⁷ /8 9 x 8 ⁷ /8 x 2 ¹ /2 | Operates into 2 ohms. As above; simultaneous stereo and |
| | RTA2100 RTA450 | 439.95 459.95 | A | | | 90 90 | 100 50 x 4 | 20-20 20-20 | 0.05 0.05 | P/S P/S | | No No | Yes Yes | 14½ x 8½ x 2½ 16½ x 8½ x 2½ | bridged mono output; variable bass boost As above. Simultaneous stereo and bridged mono output. |
| MTX/ TERMINATOR | MTA225 MTA250 | 550.00 650.00 | A | | | 102 102 | 25 50 | 20-20 20-20 | 0.02 | P/S | | Ma | Yes | 8½ x 2¾ x 12 | Simultaneous stereo and bridged mono output; operates into 1 ohm. |
| NAKAMICHI | PA-102 PA-202 PA-301 PA-302 PA-304 Power Port 1 | 139.00 330.00 530.00 530.00 550.00 160.00 | A A A A A | | | 100 110 110 110 110 110 100 | 14 40 160 x 1 80 90 x 2† 14 x 4 | 10-50 10-50 10-50 10-50 10-50 10-50 | 0.02 0.008 0.005 0.005 0.005 0.005 0.005 | P/S P P P P tt | No No No No tt | No No No No No Tt | Yes Yes Yes Yes Yes tt | 8 ¹ / ₂ x 2 ³ / ₈ x 14 3 ¹ / ₂ x 1 ¹ / ₂ x 5 7 ¹ / ₂ x 2 ¹ / ₄ x 7 ¹ / ₂ 12 ³ / ₈ x 2 ¹ / ₄ x 7 ¹ / ₂ 12 ³ / ₈ x 2 ¹ / ₄ x 7 ¹ / ₂ 12 ³ / ₈ x 2 ¹ / ₄ x 7 ¹ / ₂ 7 ¹ / ₄ x 2 ¹ / ₈ x 6 ³ / ₉ | As above. Bridgeable. Monoblock. Bridgeable. †Two-, three-, or four-channel operation. ††For use with Mobile Tuner Oeck 1, 2, or 3 (see "Radios"). |
| | Power Port 2 Power Port 3 CA-101 | 150.00 50.00 650.00 | A P P | 3 | | 100 | 14 x 2† | 10-50 | 0.05 | l tt P | tt Yee | Yes | †† | 7¼ x 2½ x 6¾ 7¼ x 2½ x 6¾ | Line level out; for use with Mobile Tuner Deck 1, 2, or 3. |
| NUMARK | DA2020WC DA2020 | 445.00 410.00 | AA | J | | 103 | 100 100 | 10-20 10-20 | 0.03 | r | Yes | No No No | Yes | 71/8 x 1 x 5 21/2 x 12 x 81/8 | |
| ORION | Cobalt 230 | 196.00 | A | | | 110 | 30 | 6-30 | 0.03 | P/S | No | ND | Yes Yes | 2½ x 11½ x 8½ 8 x 2 x 7 | Mounts inside speaker enclosure. Simultaneous stereo and bridged mono output; MOS-FET. |
| | Cobalt 260 Cobalt 430 220GT 420GT | 273.00 345.00 194.00 458.00 | A A A A | | | 110 110 110 110 | 60 30 x 4 20 20 x 4† | 6-30 6-30 6-30 6-30 | 0.03 0.03 0.03 0.03 0.03 | P/S P/S P/S P/S | No No No No | Na No No Yes | Yes Yes Yes Yes | 8 x 2 x 9 8 x 2 x 11 5 x 6½ x 1¾ 12 x 6½ x 1¾ | As above. As above. As above. †Two-, three-, or four-channel operation. |
| | 620GT | 586.00 | A | | | 110 | 20 x 6† | 6-30 | 0.03 | P/S | No | Ħ | Yes | 18 x 6½ x 1¾ | As above. †Two-, three-, four-, five-, or six-channel operation. ††Three-way crossover. As |
| | 240GX | 348.00 | | | | 110 | | 6-30 | 0.03 | P | No | Na | Yes | 7½ x 8½ x 2¼ | above. Simultaneous stereo and bridged mono output. |
| | 280GX 222SX | 494.00 331.00 | Å | | | 110 110 | 80 22 | 6-30 6-30 | 0.03 | P P | No No | Ne No | Yes Yes | 11 x 8½ x 2¼ 8½ x 8½ x 2¼ | As above. As above; simultaneous 15-dB boost at 40 Hz, 4-dB cut at 200 Hz, and 6-dB boos at 10 kHz. |
| | 250SX 275SX 2150SX 2250SX 2250HCCA 250HCCA 2100HCCA GS100 | 475.00 545.00 725.00 1450.00 545.00 744.00 1470.00 910.00 | A A A A A A A A A | | | 110 110 110 110 110 110 110 110 | 50 75 150 250 50 50 50 50 | 6-30 6-30 6-30 6-30 6-30 6-30 6-30 6-30 | 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 | P P P P P P | ND ND ND ND ND ND ND | Ne No No Na Na Na Na | Yes Yes Yes Yes Yes Yes Yes | 10 x 8 ¹ / ₂ x 2 ¹ / ₄ 12 x 8 ¹ / ₂ x 2 ¹ / ₄ 17 x 8 ¹ / ₂ x 2 ¹ / ₄ 23 x 8 ¹ / ₂ x 2 ¹ / ₄ 11 x 8 ¹ / ₂ x 2 ¹ / ₄ 17 x 8 ¹ / ₂ x 2 ¹ / ₄ 23 x 8 ¹ / ₂ x 2 ¹ / ₄ 10 x 8 ¹ / ₂ x 2 ¹ / ₄ | As above. As above. As above. As above: As above; operates into 0.5-ohm load. As above but operates into 1 ohm. As above. Simultaneous stereo and bridged mono output; simultaneous 15-dB boost at 40 Hz, 4-dB cut at 200 Hz, and 6-dB boost |
| | GS300 GS500 300PRQ 300PHO 500PMQ 600EQM | 1175.00 2750.00 198.00 236.50 398.00 307.50 | A A P'E P'E P/E E | 3 3 5 6 | 15 12 15 12 | 110 110 110 110 110 110 | 150 250 | 6-30 6-30 | 0.025 0.025 0.01 0.01 0.01 0.01 0.01 | P P P P P | No No No No No | No No No No No | Yes Yes Yes Yes Yes Yes | 17 x $8\frac{1}{2}$ x $2\frac{1}{4}$ 23 x $8\frac{1}{2}$ x $2\frac{1}{4}$ $4\frac{3}{10}$ x $1\frac{1}{2}$ x 4 $6\frac{3}{10}$ x 1 x $4\frac{1}{4}$ 6 x $1\frac{1}{2}$ x $4\frac{1}{4}$ 6 x $1\frac{1}{4}$ x $4\frac{1}{4}$ | at 10 kHz. As above. As above. Illumination. Quasi-parametric EQ; half-OIN size. Quasi-parametric EQ; powered by amp. Powered by amp. |
| PANASONIC | CY-M1004 CY-M654 CY-M1002 CY-M652 CY-M302 CY-M301 CY-EQ10 | 599.00 419.00 299.00 239.00 59.00 54.00 239.00 | A A A A A E | 14 | 12 | 102 100 102 100 78 78 | 55 x 4 37 x 4 58 37 12 12 x 1 | 5-100 5-100 5-100 5-100 10-50 10-50 | 0.005 0.005 0.005 0.005 0.05 0.05 0.05 | | Yes | | Yes Yes Yes Yes No No Yes | $\begin{array}{c} 1134 \ x \ 214 \ x \ 934 \\ 1134 \ x \ 214 \ x \ 9 \\ 1134 \ x \ 214 \ x \ 9 \\ 1134 \ x \ 214 \ x \ 6 \\ 1134 \ x \ 214 \ x \ 6 \\ 1134 \ x \ 214 \ x \ 6 \\ 1376 \ x \ 2 \ x \ 5 \\ 1376 \ x \ 136 \ x \ 236 \\ 376 \ x \ 136 \ x \ 236 \\ 376 \ x \ 136 \ x \ 236 \\ 376 \ x \ 136 \ x \ 236 \\ 7 \ x \ 1 \ x \ 5 \\ 7 \end{array}$ | Bridgeable. As above. As above. As above. Monoblock. |
| PHASE LINEAR | PLAX 30 PLAX 60 | 120.00 270.00 | A A | | | 85 85 | 15 30 | 30-20 30-20 | 0.2 0.2 | P/\$ P | | Yes Yes | Yes | 8 ¹ / ₂ x 2 ³ / ₈ x 3 ¹ / ₈ 9 ³ / ₈ x 2 ¹ / ₂ x 5 ¹ / ₈ | Bridgeable. |
| | PLA-200 | 550.00 | A | | | 85 | 100 | ±1 20-20 ±1 | 0.05 | P | | Yes | Yes | 10½ x 2½ x 8¼ | As above. |
| | PLA-234 | 795.00 | A | | | 100 | 60 x 4 | 20·20 ±1 | 0.05 | Ρ | | Yes | Yes | 15 x 25% x 8¼ | Bridges to 180 watts x 2. |

| | | / | | | (E) | / | // | 7 | / | | / | _/ | | | |
|--------------|--|--|---|------------------------|---|--|--|---|--|--|--|---|---|--|--|
| | | / | | Ę. | (3) Jolilien | // | . A.Weighted | to + Ohme | , 42 In . | | , * | | | | |
| | Mou _{lei} | Price, S | Preamp (o. | inter (1), Amp (4), c | | SW Rallo ± 08 | 8/2 | * on oc. | THO al Randwidth, H | ant Land Output | Entropy of the second s | Inclused in the second s | PCA Inc. Crossoners | Dimonstone, Inches | holes |
| AANUFACTURER | <u> </u> | | | / <u>*</u> / | | | 10 | 15-70 | 0.08 | P/S | 27 | Yes | Yes | 4 ³ / ₄ x 4 ³ / ₄ x 1 | |
| PHILIPS | DAP100 DAP300 DAP600 DAP900 | 499.00 | A A A | | | 105 | 80 80 x 4 180 | 15-70 5-70 5-100 | 0.08 0.08 0.08 | P/S P/S P/S | | Yes † Yes | Yes Yes Yes | 7 x 12 ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ 12 ¹ ⁄ ₈ x 12 ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ 12 ¹ ⁄ ₈ x 12 ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ | Bridgeable. As above. tincludes two crossovers. As above. |
| PHOENIX GOLO | | | AE | 9 | | 110 | 75 x 6 | | 0.007 | | | Yes | | 5 ¹ /2 x 15 x 48 | Bridgeable; parametric EQ; operates into 0.5-ohm load; 190-ampere alternator supplied. |
| | MPS-2500 | | A | | | 102 | 50 125 | | 0.01 | | | | | 2 ³ / ₈ x 11 ³ / ₈ x 23 2 ³ / ₈ x 11 ³ / ₈ x 17 | Simultaneous stereo and bridged mono output; operates into 0.5-ohm load. As above but operates into 2 ohms. |
| | MS-2125 MQ-430 MPS-2240 MS-275 M-25 TBA-1 | 599.00 529.00 479.00 300.00 | A A A A P | | | 102 102 102 102 102 | 30 x 4 24 75 25 | | 0.01 0.01 0.01 0.01 | | | No | | 23/16 x 113/16 x 11 23/16 x 113/16 x 81/2 23/16 x 113/16 x 81/2 21/4 x 81/4 x 91/4 | As above. As above but operates into 0.5-ohm load. As above but operates into 2 ohms. As above: bridges to 80 watts. Converts unbalanced signals to balanced; accepts up to 9-V signals; trunk mount. |
| PIONEER | GM-H200 | 600.00 | A | -+ | - | 105 | 100 | 20-20 + 0,-1 | 0.05 | P P | | | Yes | 10 ³ /8 x 2 ¹ /4 x 13 ³ /8 10 ³ /8 x 2 x 13 ³ /8 | Bridges to 300 watts; simultaneous stereo and bridged mono output. †Two-, three-, four-, five-, or six-channel |
| | GM-H120 GM-H100 | 400.00 280.00 | A | 1 | + 12 | 100 | 30 x 4† 50 | 20-20 + 0,-1 20-20 | 0.05 0.05 | P | | No | Yes | 103/1 x 21/4 x 131/4 | operation. Bridges to 160 watts; simultaneous stereo and bridged mono output. |
| 1 | GM-H50 | 220.00 | A | 1 | + 12 | 100 | 25 | + 0,-1 20-20 + 0,-1 | 0.05 | P | No | No Yes | Yes Yes | 10 ³ /8 x 2 x 7 12 ¹ /4 x 1 ⁵ /8 x 8 ³ /4 | As above but bridges to 80 watts. Bridgeable. |
| | GM-H44 GM-H22 | 310.00 165.00 | Â | | | 100 100 | 25 x 4 25 | 10-50 10-50 | 0.05 | P | No | No | Yes | 9 x 15/8 x 7 ¹ /8 7 ¹ /2 x 1 ¹ /4 x 5 ¹ /8 | Simultaneous stereo and bridged mono output. Operates into 2 ohms. |
| | GM-900 GM-800 | 140.00 140.00 | Å | | | 94 91 | 25 12 x 4 | 10-50 20-20 + 0,-1 | 0.015 | P | No | No Yes | Yes | 7½ x 1¼ x 5¼ 5½ x 1¼ x 4 | Bridgeable; low- and high-cut filters. Operates into 2 ohms. |
| | GM-600 8P-880 | 80.00 200.00 | A A E | 7 | 12 | 94 85 | 18 8 x 4 | 20-20 + 0,-1 50-15 | 0.015 | P/S | No Yes | No | Yes | 7 x 1 x 5 ⁷ /s 7 x 1 x 5 ³ /s | |
| | BP-650 EQ-6500 | 155.00 260.00 | Ă Ē E | 9 | 12 12 12 | 85 101 101 | 12 | 50-15 | 5 0.05 0.05 | P/S P P | Yes Yes Yes | | Yes Yes Yes | 7 x 1 x 4 ³ /4 | †Subwooter low-pass frequency variable from 40 to 120 Hz; crossover follows EQ. Illumination. Illumination. |
| PRECISION | EQ-4500 2025AM 2050AM | 175.00 249.00 349.00 | AA | 3 | 16 | 102 102 | 25 50 | 10-50 10-50 10-50 | 0.02 0.02 0.02 | P P | No No No | No No No | Yes Yes Yes | 8 x 2.1 x 6.1 8 x 2.1 x 8.5 8 x 2.1 x 10 | Bridgeable. As above. As above. |
| | 2075AM 2150AM A-600 | 449.00 629.00 649.00 | A | | | 102 102 102 | 75 150 150 | 10-50 10-50 10-50 10-50 | 0.02 | P P | No No | No No No | Yes Yes Yes | 8 x 2.1 x 12.2 9.3 x 1.9 x 12.2 | As above. As above. |
| | 2200AM 2300AM 2350DM 4100AM 4200AM AX400 5075DX | 799.00 949.00 1869.00 399.00 529.00 699.00 899.00 | AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | | | 102 102 102 102 102 102 102 102 | 200 300 350 25 x 4 50 x 4 50 x 4 50 x 2. | 10-50 10-50 10-50 10-50 10-50 10-50 10-50 | 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 | P P P P | No No No Ye: No | No No No No Yes | Yes Yes Yes Yes | 8 x 2.1 x 24 8.5 x 3.6 x 23 8 x 2.1 x 11.1 8 x 2.1 x 12 9.3 x 1.9 x 15.1 8 x 2.1 x 19.2 | As above. As above. As above. As above. As above. |
| | APA50 APA100 APA200 APA301X APA6301X | 199.00 299.00 399.00 369.00 549.00 | AA | | | 93 93 93 93 93 93 102 | 75 x 2 25 50 100 30 x 4 30 x 6 12.5 | 10-30 10-30 10-30 10-30 10-30 10-30 | 0.08 0.08 0.08 0.08 0.08 0.08 0.08 | P P | No No No No | No No No | Yes Yes Yes | 8.2 x 2 x 7.1 8.2 x 2 x 9.6 8.2 x 2 x 10.1 8.2 x 2 x 14.1 8 x 2.1 x 6.1 | As above. As above. As above. As above. As above. As above. As above. |
| | PRO MOS 12 PRO MOS 25 PRO MOS 50 PRO MOS 425 PRO MOS 450 PRO MOS 450 PAR225 PEQ-114 | 349.00 499.00 649.00 899.00 899.00 499.00 259.00 | A A A A P/E | 5 | 18 | 102 102 102 102 102 110 110 | 25 50 25 x 4 50 x 4 | 10-30 10-30 10-30 10-30 10-30 | 0.02 0.02 0.02 0.02 0.02 0.00 | P P 2 2 2 2 2 | l No | No No SNO No | Ye: Ye: Ye: Ye: Ye: Ye: Ye: | s 8 x 2.1 x 12 s 8 x 2.1 x 18 s 8 x 2.1 x 18 s 8 x 2.1 x 24 s 6.8 x 1 x 4.8 s 6.8 x 1 x 3.1 | As above. As above. As above. As above. t + 10, -6 dB. |
| PREMIER | EQM-300 CD-1000 | 99.00 | | 3 | 12 | 102 | | | 0.00 | P | Ye | 1 21 | Ye | s 10 ¹ /4 x 2 ¹ /4 x 9 | Parametric EQ; subwoofer output. †Three way crossover. †Digital signal processor with five sound |
| | DEQ-7500 | 700.00 | D t | 7 | 10 | | | | | P | | | | | fields, parametric and graphic EQ, optica digital input, and center-channel and subwoofer outputs. |
| PRESTIGE | PEQ-70 AMP61 | 120.0 | | 7 | 12 | 95 | 15 | 20-20 | | P | | D N | o Ye | s 13/4 x 6 x 31/2 | |
| PROFILE | AMP61 AMP104 AMP204 AMP251 PR0707 PR0707 PR0505 PR0303 AE010 PE07 | 03.00 110.0 125.0 155.0 280.0 340.0 230.0 180.0 70.0 99.9 | 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 AE | 2 2 2 10 7 | +1+++++++++++++++++++++++++++++++++++++ | 95 10 10 10 12 12 10 12 10 12 10 12 10 | 15 x 4 0 30 50 0 75 0 75 0 50 0 50 0 30 25 | 20-20 20-25 20-25 20-25 20-25 20-25 20-25 20-25 30-20 | 0.0 0.0 0.0 0.0 0.0 0.0 | 2 P 2 P 2 P 2 P 2 P 2 P 2 P 2 P 2 P 3 S | | 0 N 0 N 0 Y 0 Y 0 Y 8s N 8s Y | 0 Ye 0 Ye es Ye es Ye es Ye es Ye es Ye | $\begin{array}{c} 2\frac{1}{8} \times 8\frac{3}{4} \times 6\\ 2\frac{1}{8} \times 8\frac{3}{4} \times 7\\ 2\frac{1}{8} \times 8\frac{3}{4} \times 7\\ 10\frac{1}{2} \times 2\frac{3}{8} \times 8\frac{3}{4} \times 10^{1}\\ 10\frac{1}{2} \times 2\frac{3}{8} \times 8\frac{3}{4}\\ 88 \times 2\frac{3}{8} \times 8\frac{3}{4}\\ 88 \times 7 \times 1 \times 7\\ 88 \times 7 \times 1 \times 7\\ 88 \times 7 \times 1 \times 7\end{array}$ | 4 As above. As above. As above. Line and CD inputs. |
| PROTON | CA-490 | 599.0 | A 00 | | | 90 | 30 x 2 | | | | | | | es 10 x 3½ x *5½ | As above. |
| | CA-260 CA-250 CA-230 CA-232 CA-212 CQ-273 271 | 299.0 349.0 149.0 249.0 89.0 349.0 179.0 | 00 A 00 A 00 A 00 A 00 A 00 P/E | | 10 | | 50 30 25 12 | 20-20 20-20 20-20 20-20 | 0 0.0 0 0.0 0 0.0 | 15 1 15 1 15 1 15 1 | P N P N P N P N | io N Io N Io N Io N Io N | io Y io Y io Y io Y /es Y | es 1C x 3½ x 10 es es es 7 x 15½ x 2½ es 7 x 1 x 6 es 6½ x 15½ x 5½ | As above. As above. As above. |

AUDIC/MAY 1992

| | / | / | / | / | Equalitier (E) | | When | Ohns | - | 2H4 01 2 | 0,0. | / | | | |
|---------------------|---|--|--|--------------------------------------|--|--|--|---|--|---|--|--|--|---|---|
| MANUFACTURER | Money | Arce . | Press | W. (a) aline | Bon of EQ Band (E) Equalitier (E) | S.N.C. Hange | Walls Det Elamon | Full. P. | THO at D andwight, H | Input 1 490 Oulput | Prestorer (P) | fines. Controls | PCA. CIOSSONES | Olinension, Inc. | tholes |
| PYLE | A50 A100 A200 A400 A140 PA1 | 245.95 349.95 479.95 665.95 399.95 249.95 | A A A A PE | 4 | 12 | 100 100 100 100 100 100 | 25 50 100 200 35 x 4 | 10-50 10-50 10-50 10-50 10-50 10-50 | 0.09 0.09 0.09 0.09 0.09 0.09 0.01 | P P P P P P | No No No No No Yes | No No No No No | Yes Yes Yes Yes Yes Yes | 2 x 8 x 7 ⁷ /8 2 ¹ / ₂ x 10 ¹ /4 x 7 ⁷ /8 2 ⁵ /8 x 9 ³ /8 x 12 2 ⁵ /8 x 9 ³ /8 x 15 ¹ /4 2 ⁵ /8 x 12 ¹ /4 x 7 ⁷ /8 1 ¹ / ₂ x 5 ⁵ /8 x 4 ¹ / ₂ | Bridgeable. As above. As above. Bi-FET; CO input jack. |
| UIXOTIC | SEQ14.1 | B95.00 | E | 14 | 1 | 100 | | | 0.005 | P | No | No | Yes | 7 x 2 x 4.6 | $t \pm 6$ or ± 15 dB. ² / ₃ -octave EQ spacing; constant Q. |
| RADION | SEQ28.1 D-20 | 1195.00 80.00 | E A | 28 | + | 100 92 | 25 | 20-20 | 0.005 | P | No | No | Yes Yes | 12 x 2 x 4.6 | As above but 1/3-octave spacing. |
| | 0-25 0-410X 0-418MX 0-420MX 0-435MX 0-435MX 0-430MX 0-450MX 0-450MX 0E0-325 0E0-325 0E0-325 0E0-400 0E0-620 0PX-163 | 120.00 140.00 180.00 210.00 280.00 250.00 340.00 380.00 50.00 60.00 80.00 90.00 120.00 | A A A A A A A A A E E F/E | 7 10 7 5 | 12 12 12 12 12 12 | 92 93 93 95 95 95 95 | 25 x 4 40 45 65 60 x 4 100 120 85 x 4 50 50 25 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.045 0.062 0.057 0.057 0.057 0.057 0.057 0.057 | S P/S P/S P/S P/S P/S P S P S P S P S P S | Yes Yes Yes Yes No | No Yes Yes Yes Yes Yes No No Yes | Yes Yes Yes Yes Yes Yes Yes | 9 x 61/2 x 23/8 81/4 x 93/4 x 23/4 81/4 x 93/4 x 23/4 81/4 x 13 x 23/4 81/4 x 13 x 23/4 81/4 x 13 x 23/4 81/4 x 13 x 23/4 | Bridgeable; operates into 2 ohms. As above; Class A; MOS-FET. As above. As above. As above. As above. As above. Baove. Hilumination. Parametric; operates on four channels; separate left and right EQ controls; half- OIN size. |
| REALISTIC | 12-1957 12-1960 12-1955 12-1958 12-1959 12-1961 12-1962 12-1963 12-1867 | 79.95 139.95 59.95 119.95 79.95 99.95 89.95 49.95 39.95 | A A/E A/E A E E A E E E | 7 7 7 7 7 7 5 7 | 12 12 12 12 12 12 12 12 12 | 100 100 95 60 65 | 25 x 4 60 x 4 20 x 4 15 x 4 30 x 4 35 x 4 | 20-25 20-30 15-30 30-25 15-30 30-25 20-30 | 1.0 1.0 1.0 1.0 0.1 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | No Yes Yes Yes Yes Yes Yes Yes Yes | No No No No No No No | Yes Yes No Yes Yes Yes No No | $\begin{array}{c}1 \times 7 \times 6^{7/8}\\1/2 \times 8^{3/4} \times 7^{1/2}\\1^{3/4} \times 6^{3/6} \times 5^{1/6}\\1^{7/6} \times 7^{1/4} \times 6^{3/6} \times 5^{1/6}\\1^{7/6} \times 7^{1/6} \times 6^{1/4} \times 6^{1/2}\\1^{7/6} \times 6^{1/4} \times 6^{1/2}\\1^{3/6} \times 6^{3/6} \times 4^{1/4}\\1^{3/6} \times 6^{3/6} \times 4^{1/4}\\1^{3/6} \times 5^{3/6} \times 4\\\end{array}$ | |
| RDADMASTER | EA 400NI EA 1000N PB 500N | 60.00 125.00 35.00 | A'E A/E A | 5 10 | 12 12 | 79 79 79 79 | 25 x 4 50 x 4 50 | 15-20 10-20 30-18 | 10 10 10 | S S S | Yes Yes No | | No No No | 11/8 x 43/4 x 41/2 11/4 x 6 x 41/2 11/8 x 43/4 x 41/2 | CD/AUX input. |
| ROCKFORD FOSGATE | 230sd 260sd 460sd Punch 30HO Punch 45HO | 129.95 179.95 269.95 179.95 275.00 | A A A A | 2 | | 105 105 105 80 80 | 15 30 30 x 4 15 22.5 | 20-20 20-20 20-20 20-20 20-20 20-20 | 0.08 0.08 0.08 0.05 0.05 | PS PS P/S P P | No No No No | No No No No | Yes Yes Yes Yes Yes | 7 ¹ / ₈ x 2 x 4 ³ / ₈ 7 ¹ / ₈ x 2 x 6 ³ / ₈ 7 ¹ / ₈ x 2 x 9 ³ / ₈ 6 ¹ / ₈ x 7 ¹ / ₈ x 1 ¹ / ₂ 5 ¹ / ₈ x 8 ³ / ₄ x 2 ¹ / ₈ | Bridgeable. As above. As above. As above. As above; 18-dB bass boost and 12-dB |
| | Punch 75H0 Punch 150H0 Power 100H0 Power 300 Power 650 Power 1000C PA-1 PA-1H0 DE0-1 | 399.00 515.00 329.00 999.00 1575.00 2650.00 369.00 369.00 315.00 | A A A A P P E | 2 2 3 3 9 | 12 12 9 | 80 80 80 80 80 90 90 90 | 37.5 75 15 x 4 50 x 4† 125 x 4† 150 x 4 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.05 0.05 0.05 0.05 0.05 0.05 0.05 | P P P P P P P | No No No No No Yes Yes No | No No Yes Yes No No No No | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | 7% x 8% x 21/8 9% x 8% x 22/8 10 x 7 x 11/2 141/4 x 71/4 x 21/2 18% x 7% x 21/2 211/8 x 7% x 3% 6% x 31/2 x 11/2 6% 8 x 1 x 3% 4% x 8% x 11/4 | trebie boost. As above. As above. Bridgeable. †Two-, three-, or lour-channel operation. |
| ROCKSTAR | RST-220 RST-210 RST-164 RST-164 RST-190 | 105.00 99.00 52.00 49.00 | A A A | | | 85 85 85 85 | 45 35 25 x 4 30 | 20-20 20-20 20-20 20-20 20-20 | 0.25 0.25 0.25 0.25 0.25 | P/S P/S P/S P/S P/S | No No No | No No No | Yes Yes Yes Yes | 11 x 2 ¹ / ₂ x 7 ¹ / ₂ 8 x 8 x 2 ¹ / ₂ 6 ³ / ₄ x 7 ³ / ₄ x 2 6 ¹ / ₂ x 6 ¹ / ₂ x 2 ¹ / ₂ | Bridgeable; operates into 2 ohms. Bridgeable. |
| RODEK | RST-733 RA220 | 49.00 119.95 | P E A | 7 | | 89 | 20 | 20-20 | 0.05 | P/S P | Yes | No | Yes Yes | 7 x 4 x 1 ¹ / ₂ 2 ¹ / ₂ x 8 ⁵ / ₈ x 2 ³ / ₈ | CD input. |
| | RA230E | 229.95 | ٨ | | | 85 | 30 | + 0,•.5 20-20 + 0,•.5 | 0.05 | Р | | + | Yes | 2½ x 8¾ x 4¾ | †"Tilt " control acts as high-pass filter with variable cutoff frequency or as boos below 50 Hz. Bridgeable. |
| | RA250E | 329.95 | A | | | 89 | 50 | 20-20 + 0, • .5 | 0.05 | P | | 1 | Yes | 21/2 x 85/8 x 61/2 | Bridgeable. |
| | RA280E RA2150E | 399.95 639.95 | A | | | 95 98 | 80 150 | 20-20 + 0,5 20-20 | 0.05 | P | | † + | Yes | 2½ x 8¾ x 8¾ 2½ x 8¾ x 14¼ | |
| | RCA224E | 469.95 | A | | | 85 | 24 | +0,5 | 0.05 | P | | ' | Yes | 21/2 x 85/8 x 85/8 | Operates into 1 ohm. |
| | RA450 | 579.95 | A | | | 88 | 50 x 4 | +0,5 20-20 | 0.05 | P | | Yes | Yes | 2 ¹ /2 x 8 ⁵ /8 x 11 ⁷ /8 | |
| | RA425 | 369.95 | A | | | 85 | 25 x 4 | +0,5 | 0.05 | P | | | Yes | 2½ x 8¾ x 8¾ | |
| | RA1125 | 429.95 | A | | | 96 | 125 x 1 | +0,5 20-20 +0,5 | 0.05 | P | | †† | Yes | 21/2 x 85/8 x 61/2 | ††High-pass section. Monoblock. |
| SANYD | BPA8250 BPA8455 EQM5 OSP-01 | 229.99 269.99 149.95 649.99 | A A E † | 7 5 | 12 12 | 100 100 95 90 | 30 130 x 2† 16 x 1 | 20-20 20-20 20-20 | 0.04 0.04 0.007 0.01 | P P P | Yes Yes | No No Yes | Yes Yes Yes | 9½ x 2½ x 6 11 x 2½ x 9¼ 7 x 1 x 5½ †† | Bridgeabte. \uparrow Two-, three-, or four-channel operation. Mono subwooler output; ground isolation circuit. \uparrow Digital signal processor with parametric EQ; six-channel operation with 16-watt center-channel power; four preset sound fields, six programmable memories. $\uparrow\uparrow$ Controller, 7 x 1% x 1; trunk unit, 7 x 2 x 6. |

| NUFACTURER | Mode | Antes 5 | Columbia (D) | Number 1. Amp (A), Ea | Boost C Ed Bands | S.N. Range ± 08 | 9 | Full Power | 1.2 | ing, | / | active Communication | The Charles Con- | FC4 Internet | Dimensions, Inc. | Mores |
|--------------|--|---|------------------------------|-----------------------|----------------------|---|-------------------|---|--|--------------------------|-----|----------------------|------------------------|--|---|--|
| NTREK | SPA 075 | 44.95 | A | | | 77 1 | | 10-20 ± 3 | 0.01 F | P/S | No | No | Y | | x 4½ x 5½ | |
| | SPA 100 | 64.95 | A | | | 77 1 | 4 2 | | 0.01 1 | P/S | No | No | 1 | - I | 1/2 x 7 x 4 ¹ /2 | Selectable high-pass crossover frequency. |
| | SPA 138 | 84.95 | A | | | 78 1 | 6 3 | 20-20 ± 3 | 0.01 1 | P/S | No | Yes | 1 | | | Selectable mån-hese closector u sammer. |
| | SPA 140 | 89.95 | A | | | 77 | 14 x 4 2 | 20-20 ± 3 | 0.01 1 | P/S | No | No | | | %ax 81/ax 41/2 | An above |
| | SPA 188 | 134.95 | A | | | 80 | 30 : | 20-20 ± 3 | 0.01 | P/S | No | Yes | | | 1/2 x 8% x 51/8 | As above. |
| | SPA 338 | 224.95 | A | | | 84 | | 20-20 ±1 | 0.005 | P/\$ | No | Yes | | | 1/2 z 8% x 7% | Bridgeable. †Two- or three-channel operation. |
| | SPA 458 | 349.95 | A | | | 86 | 100 x 2† | 20-25 ±1 | 0.005 | P/\$ | No | Yet | | · | 3%1 x 14 x 8¾1 | |
| | SPA 600 | 629.95 | A | | | 90 | 200 x 2† | 20-40 ±1 | 0.005 | P/\$ | No | Ko | | | 1 x 17 x 12 | †As above. MOS-FET. |
| | SAQ 1430 | 59.95 | AE | 7 | 12 | 75 | 14 | 20-20 ± 1.5 | 0.003 | S | Yes | No | | - | 1 1 7 1 4 | |
| | SAQ 1459 | 74.95 | AE | 10 | 12 | 80 | 14 | 20-20 ± 1.5 | 0.01 | S | Yes | No | 1 | | 1 x 7 x 4 | |
| | SAQ 1709 | 74.95 | AE | 7 | 12 | 84 | 14 | 20-20 ± 3 | 0.01 | P/\$ | Yes | No | 1 | | 1 1/8 x 51/2 x 43/4 | |
| | SAQ 2009 | 89.95 | AE | 10 | 12 | 84 | 14 | 20-20 ± 3 | 0.01 | P/S | Yes | ; No | ' ' | | 1 x 7 x 4¥4 | |
| | SAQ 2309 | 109.95 | AE | 7 | 12 | 84 | 14 | 20-20 ± 3 | 0.01 | P/S | Yes | i No | 1 | | 1 x 7 x 4¾ | includes spectrum analyzer. |
| | SAQ 2500 | 119.95 | AE | 7 | 12 | 84 | 14 | 20-20 ± 3 | 0.01 | P/S | Yes | s No | • ' | | 1 x 7 x 4¾ | As above; CO input. |
| | SAQ 4000 | 169.95 | AE | 7 | 12 | | 15 x 2. | 20-20 | 0.01 | P/\$ | Ye | s No | • ' | | 2 x 7¾ x 7 | n ne under latudes siek spice |
| | SAQ 7400 | 199.95 | AE | 7 | 12 | 84 | 28 x 2 14 x 2, | ±3 20-20 ±3 | 0.01 | P/\$ | Ye | s No | • ' | Yes | 2 x 7¼ x 7 | Four EQ presets; includes pink-noise generator. |
| | SEQ 740 SEQ 750 SEQ 820 | 59.95 69.95 89.95 149.95 | P/E P/E P/E P E | 7 10 7 t | 12 12 12 12 | 90 90 90 90 | 35 x 2 | ž J | | P/S P/S P/S P/S | Ye | s No s Ye | D BS | Yes Yes Yes Yes | 1 x 7 x 4 1 x 7 x 4 1 x 7 x 4 1 x 7 x 4 1 x 7 x 4 | includes spectrum analyzer. †Five front EQ bands, seven rear. Subwoofer level control. |
| | SEQ 920 | | | | 40 | 95 | | | 0.05 | P | Ye | IS YI | es | Yes | Half DIN | Two fixed and three user-set EQ |
| SHERWOOD | XQ-1101 XQ-1102 XQ-1023 | 235.00 125.00 170.00 | P/E P/E P/A E P/A E | 7 7 7 7 | 12 10 10 10 | 85 85 85 85 | 16 x 4 16 | 20-20 20-20 | 0.05 | P P P | Ye | IS Y IS N IS N | 0 | Yes Yes Yes | Hall DIN Hall DIN Hall DIN 5½ x 1¾ x 4 | memories; surround capability. Selectable crossover frequency; CD inpu Two surround modes. |
| | XQ-1021 XA-1040 | 125.00 95.00 | A | ' | | 85 | 16 | 10-45 | 0.5 | P | | N | | Yes | | |
| | XA-1041 | 110.00 | A | | 1 | 85 | 16 x 4 | 10-45 + 3,-1 | 0.5 | P | | 1 | 0 | Yes | 7½ x 1½ x 5¼ 9 x 3 x 8¾ | Bridgeable. |
| | XA-1100 | 190.00 | A | | | 90 | 40 | 15-35 ±3 | 0.5 | P | | | lo | Yes | 10 x 3 x 8 ³ / ⁶ | As above. |
| | XA-1180 | 250.00 | A | | | 90 | 70 | 15-35 ±3 | 0.5 | P | | | | Yes | 11 x 3 x 9 | Two-, three-, or tour-channel operatio |
| | XA-1181Q | 290.00 | A | | | 90 | 30 x 4† | 15-35 ±3 | 0.5 | P | | | lo | Yes | | |
| | XA-1240Q | 350.00 | A | | | 95 | 50 x 4† | 15-35 ±3 | 0.5 | P | | | io | Yes | 13 x 3 x 9 19¾ x 2¼ « 11¾ | ++Two-, three-, tour-, five-, or six- |
| | XAT-400Q | 660.00 | A | | 1 | 105 | 100 x 4† | | 0.05 | P | | 0 | | Yes | 181/s x 21/4 x 117/ | channel operation. Operates into 1 onr |
| | XAT-300Q | 540.00 | A | - | | 105 | 75 x 411 | 20-20 | 0.05 | P | - N | io | - | Yes | 51/8 x 11/8 x 31/4 | Operates into 2 ohms. |
| SORY | XM-2020 XM-2040 XM-3020 XM-4020 XM-6020 XM-10020 XM-10020 XM-4040 | 80.00 150.00 145.00 220.00 280.00 450.00 330.00 | | | | 95 95 100 100 105 105 105 | 100 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.08 0.08 0.08 0.08 0.08 0.08 0.08 | | | | | Yes Yes Yes Yes Yes Yes | 676 x 11/8 x 43/4 9 x 13/8 x 48/4 94/8 x 13/8 x 48/4 94/8 x 13/4 x 6 121/4 x 21/8 x 7 121/4 x 21/8 x 81/2 121/4 x 21/8 x 81/2 | Two-, three-, or tour-channel operation As above. |
| | XM-5540F XM-C6000 | 500.00 980.00 | | | | 105 105 | | 20-20 20-20 | 0.08 0.08 | P | | | Yes 11 | Yes Yes | 14¼ x 2¼ x 9½ 23¼ x 2¾ x 11 | tAs above. tFive- or six-channel operation; six- channel mode, 40 watts x 4 and 70 w x 2. ttTwo- or three-way crossover. |
| | XE-90 Mkii XE-8 Mkii XE-700 | 220.0 330.0 550.0 | 0 E | 9 7 10 | 12 12 12 | 105 105 105 | | | 0.00 | 5 P 8 P | | Yes Yes | Yes Yes No No | Yes Yes Yes Yes | 7½ x 1 x 5½ 7½ x 2 x 3½ | tPreamp with digital parametric EQ, |
| SONY ES | XES-P1 | 1300.0 | 0 † | 6 | 36 | 105 | | | 0.00 | | | | | | | compression, and surround processin controls CD changers (see "CD Changers"), t†Chassis, 9% x 2 x 8% display unit, 7% x 2 x 6%; includes joystick. |
| | XES-M1 | 550.0 | A | | | 10 | | 5-100 | | | | | | Yes | | Monoblock. |
| SOUND BARRIE | XES-M3 R GA-400 | 1000.0 | | +- | | 65 | 200 | 20-30 | 0.05 | | 5 | | †† | No | | Bridgeable, †At 90 watts, ††Subwoof crossover. |
| | GA-200 | 208.0 | 1 | | | 65 | 100 | +0,- 20-30 +0,- | 0.0 | 51 8 | S | | Ħ | No | | As above. †At 35 watts. |

| | | | | 7 | 7 | / | | 77 | | | | | | | |
|--------------------|--|---|---|---|--|---|---|---|--|---|---|--|--|---|---|
| | | | | (P) Amo | of EQ Band Chualitier (E) | npe. | 10 08. A. Heighed | 490 Into 4 Ohms, | rer Banowioli, L | , ma | 215° | Menter (3) | Ar. | ¹ Manu Jotes | |
| MANUFACTURER | Hoode | P. S. | Que o | id) our | Ban | 540 | Walle Change . dg | 069-W | THO at C | | Providence in the second se | Inc. Control? | Ar. | of hour Jeck | Hores |
| SOUNDSTREAM | D6011 D10011 D20011 CA5011 CA10011 MC120 MC140X MC140X MC300 MC245 | 198.00 339.00 499.00 395.00 575.00 369.00 469.00 795.00 599.00 | A A A A A A A A A A A A A A A A A A A | | | 100 100 100 100 100 100 100 100 | 30 50 100 25 50 35 x 4† 35 x 4† 75 x 4† †† | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 | P/S P/S P/S P/S P/S P/S P/S | No No No No No No | NO NO NO NO Yes No Yes | Yes Yes Yes Yes Yes Yes Yes Yes | 4.3 x 7.8 x 2.1 6 x 7.8 x 2.1 11 x 7.8 x 2.1 6 x 7.8 x 2.1 11 x 7.8 x 2.1 11 x 7.8 x 2.1 8 x 7.8 x 2.1 8 x 7.8 x 2.1 14 x 2.6 x 10 13 x 6.5 x 2.1 | Bridgeable. As above. As above. As above: Class A. As above. †Two-, three-, or four-channel operation. †Two-, three-, four-, or five-channel operation; five-channel mode, 35 watts x 4 and 100 watts x 1. |
| SPARKDMATIC | SBE7 GE50 LC52 AMP 8000 AMP 7000 LC269 | 54.99 39.99 19.99 94.99 54.99 59.99 | A E A E A A A A | 7 5 1 | 12 12 9 | 55 55 100 80 50 | 20 20 20 45 40 18 | 20-20 20-20 20-20 10-30 20-20 | 5 5 1 1 10 | P/S S S | Yes Yes No No | No No | No No Yes Yes | 13/s x 5//s x 5 13/s x 43/4 x 43/4 11/4 x 41/4 x 41/4 21/2 x 71/2 x 63/4 163/4 x 15/s x 163/4 41/4 x 11/s x 4 | Includes 6 x 9-inch coaxial speaker. |
| TARGA | 0-10 0-15 0-55MX 0-38MX 0-38MX 0-40MX 0-65MX 0-65MX 0-855 E-815 E-855 E-855 E-855 E-910 E-930 E-940 | 80.00 120.00 280.00 140.00 210.00 250.00 340.00 340.00 90.00 130.00 150.00 150.00 120.00 250.00 90.00 140.00 140.00 | A A A A A A A A A A A A A A A A A A A | 7 7 7 7 7 7 5 4 7 7 7 | 12 12 12 12 12 12 12 12 12 18 12 12 12 | 92 92 95 93 93 95 95 95 97 | 25 25 x 4 60 x 4 40 45 65 100 120 85 x 4 200 25 50 50 50 x 4 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.062 0.057 0.057 0.057 0.057 0.057 0.057 0.057 0.057 0.057 | S S P S S P P S S P P S S P P S S P P S S P P S S P P S S P P S S P P S S P P S S P P S P P S P P S P P S P P S P S P S P S S P P S P S S P S | Yes Yes Yes Yes Yes Yes Yes | NO NO Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes Yes Yes Yes Yes Yes Yes Yes Yes | $\begin{array}{c} 8\frac{1}{4} \times 13 \times 2\frac{3}{4} \\ 9 \times 6\frac{1}{2} \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 9\frac{3}{4} \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 9\frac{3}{4} \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 9\frac{3}{4} \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 13 \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 13 \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 13 \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 13\frac{2}{4} \times 2\frac{3}{4} \\ 8\frac{1}{4} \times 2\frac{1}{4} \times 2\frac{1}{4} \\ 8\frac{1}{4} \times$ | Bridgeable; operates into 2 ohms; Class A; MOS-FET. Bridgeable; operates into 2 ohms. As above. As above. As above. As above. As above. As above. CD input. As above. CD input. As above. Parametric EQ; operates on four channels; separate left and right EQ controls. As above but four- or six-channel operation. Illumination. Includes spectrum analyzer. As above; three programmable memories; surround control. |
| TDSHIBA | TP820 TP840 TP850 TP870 TQ220 | 369.95 289.95 229.95 199.95 299.95 | A A A E | 7 | 12 | 90 95 95 95 85 | 50 75 100 150 | | 0.25 0.25 0.25 0.25 0.25 0.1 | P/S P'S P/S P/S | Yes | No No No No | Yes Yes Yes Yes Yes | 10½ x 25½ x 53% 10½ x 25% x 53% 12% x 25% x 53% 12% x 2½ x 73% 12% x 2½ x 8½ 7 x 1 x 6½ | Bridgeable. As above. Includes spectrum analyzer; subwoofer output. |
| U.S. AMPS | US-25A US-50A US-150A US-250A US-250C US-250C US-250C US-32 US-824 US-824 US-25HCA US-25HCA US-20HCA | 179.00 249.00 399.00 499.00 399.00 399.00 199.00 219.00 289.00 479.00 1100.00 1800.00 | A A A A A A A A A A A A A A A A A A A | | | 90 90 95 100 100 100 90 90 95 100 100 | 12.5 25 75 125 250 25 x 4 25 x 1 12.5 25 50 100 | 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 | 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 | P/S P/S P/S P/S P/S P/S P/S P/S P/S P/S | No No No No No No No No No No No | No No No No No No Yes Yes Yes Yes No No No | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | $7\frac{1}{2} \times 2 \times 6$ $7\frac{1}{2} \times 2 \times 7\frac{1}{2}$ $7\frac{1}{2} \times 2 \times 12$ $7\frac{1}{2} \times 2 \times 15$ $7\frac{1}{2} \times 2 \times 18$ $7\frac{1}{2} \times 2 \times 20$ $7\frac{1}{2} \times 2 \times 12$ $5\frac{1}{2} \times 1 \times 6$ $7\frac{1}{2} \times 2 \times 6\frac{1}{2}$ $7\frac{1}{2} \times 2 \times 12$ $7\frac{1}{2} \times 2 \times 12$ | Dperates into 2 ohms. Bridges to 800 watts. Mono subwoofer amp; 12-dB boost at 40 Hz; operates into 2 ohms. Bridges to 150 watts into 1 ohm. As above but 300 watts. As above but 300 watts. |
| U.S.D. | SW30 | 1650.00 Pair | E | 30 | t | 108 | | | 0.009 | Р | No | No | No | 2 x 19½ x 5 | $\dagger \pm 6$ or ± 12 dB. Constant Q. |
| VECTOR RESEARCH | VM-100 VM-200 | 249.95 349.95 | A A | | | 100 100 | 50 100 | 20-20 20-20 | 0.1 0.1 | P/\$ P/\$ | | | Yes Yes | 9 x 9 x 1¾ 9 x 11 x 1¾ | Bridgeable. As above. |
| YAMAHA | YPA-1020 YPA-720 YPA-620 YPA-320 YPA-240 YPA-100 YGE-420 YEC-400 YDSP-1 | 549.00 399.00 319.00 219.00 159.00 89.00 219.00 219.00 129.00 949.00 | A A A P/E | 7 | 12 | 105 105 100 100 100 115 | 170 x 2† 110 x 2† 60 50 18 x 4 12 | 20-20 20-20 20-20 20-20 20-20 | 0.1 0.1 0.1 1.0 1.0 0.02 0.01 0.03 | P P P/S P/S P | No No Yes Yes Yes | Yes No Yes No No Yes Yes | Yes Yes Yes Yes Yes Yes Yes Yes | $\begin{array}{c} 117_{18} \times 2^{1/4} \times 11^{7/6} \\ 117_{18} \times 2^{1/4} \times 8^{1/6} \\ 8^{1/6} \times 2 \times 2^{1/6} \\ 8^{1/6} \times 2 \times 5^{1/6} \\ 10 \times 1^{1/6} \times 4^{1/6} \\ 10 \times 1^{1/6} \times 4^{1/6} \\ 7 \times 1^{1/4} \times 3^{1/6} \\ 7 \times 1^{1/6} \times 6^{1/2} \\ 8^{1/4} \times 1^{1/6} \times 6^{1/2} \\ t^{1} \end{array}$ | $ \begin{array}{l} \label{eq:constraint} \hline r \ v_{2}, \ v_{2}, \ v_{2}, \ v_{3}, \ v_{$ |
| ZAPCO | 2300 200s4 2150 2100mvx 2100 250 \$X PX PEQ | 909.95 479.95 399.95 339.95 229.95 999.95 545.95 425.00 | A A A A A P/E P/E P/E | 5 4 9 | 20 18 18 | 115 110 110 105 110 100 105 105 92 | 225 50 x 4 75 100 x 1 50 12.5 x 4 | 20-20 20-20 20-20 20-20 20-20 20-20 | 0.01 0.02 0.02 0.01 0.01 0.05 0.003 0.004 0.05 | | Yes No No | No † No Yes No † Yes No | Yes Yes Yes Yes Yes Yes Yes No | $18 x 6 x 2\frac{1}{4}$ $11\frac{3}{5} x 6 x 2\frac{1}{4}$ $10\frac{3}{5} x 6 x 2\frac{1}{4}$ $10\frac{1}{4} x 6 x 2\frac{1}{4}$ $7 x 6 x 2\frac{1}{4}$ $4\frac{3}{4} x 6\frac{3}{4} x 1$ $7 x 5 x 2$ $8\frac{3}{4} x 4\frac{1}{4} x 1\frac{1}{4}$ | Optional remote status display, †Optional crossovers and noise gate. Monoblock: selectable crossover slope and subwooter polarity. †Two crossovers with selectable slopes. Separate left and right EQ controls. |

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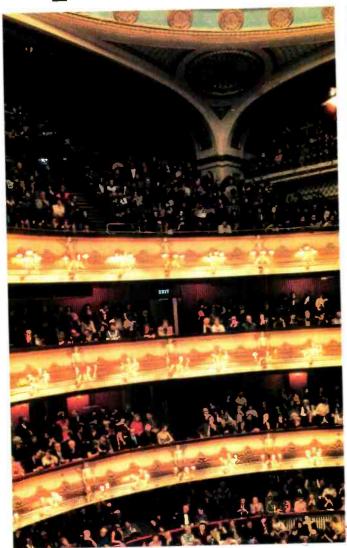
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RADIOS/TAPE PLAYERS

| NR Code A = dbx | | 7 | | ת 7 | | 7 | AMI | PLIF | IER | | 1 | | 1 | UNER | | 7 | | | T/ | APE | |
|--|---|--|--|--|---|--|--|---|--|--|---|--|--|--|---|--|--|---|---|--|---|
| B = Dolby B C = Dolby C D = DNR D = Other | | / ଅ ଅ | -adua | / | | | 00 FTM - 430 | | | 100 | 80 | 7 | | 2011 (C) | / | / | / | Cotte | | | (a) (a) (a) (a) |
| MANUFACTURER | ана | Price | Meester. | The the Clanner | Output Paled Out | Presho (b) | eater. | 101-10 Usable CON | Complection of the original | The Mono Switcher Selection | Bo. onen noturin le. | Conting Seet (a) Station Pres | AL CONTRACT CONTRACT (B), 0 | | | / 🕏 | Win An Anic Circuity | <u>.</u> | Fil. Gu Seaths | The Part of the Pa | A 100 100 100 100 100 100 100 100 100 10 |
| AIWA | CT-X8(RDC) CT-X6(RDC) CT-X4 CT-X2 CT-X1 CT-S2700 CT-S2600 | 499.00 449.00 379.00 319.00 279.00 249.00 199.00 | 25 x 4 25 x 4 25 x 4 25 8 25 25 | 0.8 0.8 0.8 1 1 1 1 | P P P S P S | 3 3 3 3 3 3 3 3 3 | 12.7 12.7 12.7 12.7 12.7 12.7 14.2 14.2 | 80 80 70 70 70 | 76 74 63 63 61 61 | 24 24 24 24 24 24 24 24 24 24 | C C C C C C C C C C | A A M M A A | | $\begin{array}{c} 40.18 \pm 0.3 \\ 40.16 \pm 3 \\ 40.14 \pm 3 \\ 40.14 \pm 3 \end{array}$ | B/C B B B | 76 64 64 63 63 63 | Yes Yes Yes Yes Yes Yes Yes | Yes Yes Yes | | P P P P | Yes Yes Yes Yes Yes |
| ALPINE | 7294S(C) 7516(C) 7400 7401 7502 7189 7618(RIC) 7392S 7392S 7392S 7392S 7290 7190 7524 | 550.00 450.00 200.00 240.00 260.00 600.00 380.00 380.00 380.00 320.00 290.00 550.00 | 25 25 6 6 25 25 10 x 4 8.8 2.2 10 x 4 | 0.8 0.8 0.8 0.8 | P/S P/S P S P/S P/S P/S P/S P/S | 222222222222222222222222222222222222222 | 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 | 80 80 80 80 80 80 80 80 80 80 80 80 80 | 60 60 60 60 60 60 60 60 60 65 60 65 60 | 24 24 18 18 24 24 24 24 24 24 24 24 24 24 | C C A A A C C C A A A A A | M M M M M M M M/A M/A M/A | No No No No No No | $\begin{array}{c} 30\mbox{-}22\pm 3\\ 30\mbox{-}20\pm 3\\ 40\mbox{-}18\pm 3\\ 40\mbox{-}18\pm 3\\ 40\mbox{-}18\pm 3\\ 20\mbox{-}22\pm 3\\ 20\mbox{-}22\pm 3\\ 20\mbox{-}22\pm 3\\ 40\mbox{-}18\pm 3\\ 40\mbox{-}18\pm 3\\ 40\mbox{-}18\pm 3\\ 20\mbox{-}22\pm 3\mbox{-}20\mbox{-}21\mbox{-}22\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}21\mbox{-}22\mbox{-}21$ | B/C B B B B/C B B/C B B | 72 64 55 64 64 55 72 64 64 75 64 55 67 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | No Yes Yes | CCDDDCCCCCCC | P P P P P R P R | Dut Dut Dut Dut Dut Dut Dut Dut Dut Dut |
| ANABA AUDIO | 7382 7384 7386 | 259.00 298.00 399.00 | 30 30 30 | 0.01 0.01 0.01 | P/S P/S P/S | 2222 | 26.3 26.3 26.3 | 68 68 68 | 70 70 70 | 18 18 18 | 8 6 8 | AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | | 20-18 20-18 20-20 | D O | 83 83 86 | Yes Yes | Yes Yes | C C C | P P | Yes Yes |
| AUDIOVOX | AV-218 AV-228 AV-238 AV-245 AV-933 AV-949 AV-954 AV-958 AV-958 AV-959 AV-959 AV-959 AV-985 AV-985 AV-985 AV-3000 | 250.00 299.95 379.00 399.95 199.95 225.00 250.00 299.95 175.00 169.95 99.95 | 5 20 20 20 5 5 5 5 20 20 20 20 20 5 5 5 | 10 10 10 10 10 10 10 10 10 10 10 10 | S P/S P/S S S S S S S S S S S S S S S S | 1 2 5 5 1 1 1 2 2 3 3 1 | 15 15 13 13 16 15 15 13 13 15 16 16 | 60 60 65 65 60 60 60 65 65 60 60 60 60 | 60 60 65 65 60 60 60 60 60 60 60 60 60 | 24 24 24 24 0 18 18 18 18 18 18 18 0 0 | | A A A A A A A A A A A A A A A A A A A | No No No No No No No No No No No | 20-20 50-10 50-10 50-12 50-10 50-10 50-10 50-10 50-10 50-12 50-10 50-10 50-10 | B B B | 86 50 60 60 50 50 50 50 50 50 50 50 50 50 | Yes No Yes Yes Yes Yes Yes Yes No No No | Yes No No Yes No No Yes No No No No | | P P P R | Yes No Dut Dut No No Dut Dut No No No |
| BLAUPUNKT | Washington(C) Louisville(C) | 549.95 399.95 | 25 x 2, 7.5 x 4 25 x 2, | 1 | P/S P/S | 2 | 15 15 | 85 85 | 70 | 36 | C | M/A | No | 30-20 ± 3 | B/C D | 72 | Yes | Yes | C | P/S | Yes |
| | Santa Fe Cheyenne Daytona Boston | 379.95 329.95 259.95 249.95 | 7.5 x 4 7.5 x 4 7.5 x 4 7.5 x 4 25 x 2, 7.5 x 4 | 1.0 1.0 1.0 1.0 | PS P/S P/S P/S | 3 3 3 2 | 15 15 15 13 | 85 85 85 70 | 70 70 70 70 65 | 24 30 30 30 30 | C C C C C C C C | M/A A A A A | No No No No | $30-20 \pm 3$ $30-18 \pm 3$ $30-18 \pm 3$ $30-18 \pm 3$ $40-15 \pm 0.3$ | 8 8/C 8 0 8 | 63 72 63 58 63 | Yes Yes Yes Yes Yes | Yes Yes Yes Yes Yes | D C C C D | S P/S P/S P/S S | Yes Yes Yes Yes Dut |
| CARRERA | Newport Malibu CS-1000 | 229.95 219.95 | 7.5 7.5 x 4 25 | 1 1.0 | P/S P/S | 23 | 13 15 | 70 85 | 65 70 | 24 30 | C | A | No No | 40-15 ± 0.3 30-18 ± 3 | D D | 60 58 | Yes Yes | Yes No | D C | S S | Dut Yes |
| CLARIDN | CS-2000 | 159.95 199.95 299.95 | 25 25 18 x 4 | 1 | PS P/S | 22 | 17 16.3 | 65 65 70 | 60 65 | 24 24 | C | A | No No | 40-14 40-15 | | 50 52 | Yes | Yes | C C | P | Out Out |
| | 3670RC(C) 3771RC(C) 3970RC(C) 8204R 1400RT 1700RT 8430R 9731RT 9731RT 1470R 9470R 9470R 9470R 11770R 1770RT 2001RT 2002RT | 349.95 589.95 129.95 149.95 149.95 249.95 249.95 219.95 289.95 269.95 239.95 319.95 | 18 x 4 10 x 4 5 x 4 18 x 4 5 x 4 15 x 4 15 x 4 15 x 4 15 x 4 15 x 4 15 x 4 18 x 4 12 x 2, 6 x 4 | 1 1 1 1 1 1 1 1 1 1 | P/S P/S P/S P/S S P/S P/S P/S P/S | 2 2 3 1 2 2 2 2 | 12 17 12 12 12 12 12 12 12 12 12 | 70 70 70 70 70 70 70 70 70 70 | | 20 20 20 18 18 18 18 18 18 18 15 15 20 12 12 | 000000000000000000000000000000000000000 | A A A A A M A A A | No No No No No No No No | $\begin{array}{l} 30 \cdot 16 \\ 30 \cdot 20 \\ \pm 3 \\ 40 \cdot 14 \\ 40 \cdot 14 \\ 30 \cdot 16 \\ 40 \cdot 14 \\ 30 \cdot 16 \\ 30 \cdot 18 \\ 30 \cdot 18 \\ 30 \cdot 16 \end{array}$ | 8 8 8/C 8 8 8 | 66 66 74 53 56 53 66 53 66 56 56 56 56 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | No Yes No No Yes Yes No Yes | 000000000000000000000000000000000000000 | 6 6 6 6 6 6 6 6 6 7 6 7 6 7 7 7 7 7 7 7 | Yes Yes Yes Yes Yes No Yes Yes Yes Yes |
| COUSTIC | RX-739 RX-737 | 279.95 249.95 | 15 x 2, 5 x 4 15 x 2, | 0.09 0.09 | P/S P/S | 2 2 | 17 17 | 70 70 | 60 60 | 30 30 | A C | A A | No No | $30-18 \pm 5$ $35-16 \pm 5$ | B | 60 60 | Yes | Yes | C | P | Yes |
| | RX-730 RX-713 RX-712 RX-703 | 199.95 199.95 179.95 149.95 | 5 x 4 5 x 4 15 15 5 | 0.09 0.09 0.09 0.09 0.09 | P/S P S P/S S | 2 2 2 2 2 2 | 17 17 17 17 17 | 70 70 70 70 70 | 60 60 60 60 | 30 30 30 30 30 | A | A A A A A A A A A A A A A A A A A A A | No No No No | $35-16 \pm 5$ $35-16 \pm 5$ $30-18 \pm 5$ $35-16 \pm 5$ $35-16 \pm 5$ | B | 50 50 60 50 50 | Yes Yes Yes Yes Yes | | C C D D D | Ρ | Dut Yes Dut |
| CRAIG | AG5030 AG5040 AG6830 AG6840 AG1110 T862 AR8842 AR8841 AG6820 AG6810 AG6810 AG6810 AG6810 AG6810 AG702A AG701AS AG120A AR7043 AR7043 | 160.00 180.00 180.00 230.00 230.00 280.00 250.00 130.00 90.00 70.00 250.00 230.00 230.00 | 4 4 4 12 15 12 12 4 4 4 4 4 15 15 | 55555555555555555555555555555555555555 | S S S S S S S S S S S S S S S S S S S | 1 1 1 2 3 5 2 2 1 1 1 2 3 2 | 22.1 22.1 22.1 22.1 24.3 20.8 22.1 22.1 22.1 24.3 24.3 24.3 24.3 24.3 24.3 24.3 22.1 22.1 22.1 | 60 60 60 60 60 60 60 60 60 60 60 60 60 6 | 60 60 60 60 60 60 60 60 60 60 60 60 60 | 18 18 18 18 18 18 18 | | A A A A M M A A M A A M A A A A A A A A | | 10 10 63-10 63-10 63-10 63-10 63-10 60-10 100-8 60-10 100-8 63-10 63-10 63-10 63-10 63-10 63-10 63-10 63-10 63-10 63-10 63-10 63-10 63-10 | B B No No No B No | 50 50 50 50 50 55 55 50 50 50 50 50 50 5 | No Yes No Yes Yes Yes Yes No No Yes Yes Yes | No No No Yes Yes No No No No Yes No | 000000000000000000000000000000000000000 | P P P P | No No Yes No Yes Yes Yes No No No No No Yes |

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| NR Code A = dbx | | 7 | | 7 | | 7 7 | / AMI | PLIF | IER | | 7 | lass i | T | | | 7 | | | T/ | NPE | / |
|--|--|--|--|---|--|---|---|--|--|--|---|---------------------------------|--|--|--------------------------|--|--|--|---|--------------------------------------|--|
| B = Dolby B C = Oolby C O = DNR D = Other | | (0 (0 | to the | / | | /. | 5) CA-490 | /* | ./. | 1 | 80 | $\left \right $ | | and (C) | 7 | <u> </u> | / | Course | 7 | 77 | ²¹ (er (8) |
| MANUFACTURER | USA-01 USA-01 USA-01 USA-01 USA-01 USA-01 USA-01 USA-01 | tice Control | and the second second | The Cit wants | Output Rated Outro | reampered and and and and and and and and and an | eater | 01-10 Usable 50000 | emale Char HOOMIN | Tons Mono SW Selection | al Number - 18 | Land Seat (1) Sallon Pres | mine Scan (B) | | | e-Aeduction | Circuit? | t.Werghied | Puran Scarchs | Then Participation of the State | A Permission Providence (1) |
| CUSTOM AUTOSOUND | USA-01 USA-02 USA-03 | 209.00 149.00 179.00 | $\frac{3 \times 4}{7}$ | 1 | S | 2 | 19.5 20.8 | 25 20 | 50 40 | 12 0 | C | M | No No | 40-18 | / 2 ° | 45 | Yes | No No | ō | 2 / 10 de o | No |
| OENON | USA-04 DCR-5470 | 269.00 | 10 x 4 | i | S P P/S | 22 | 20.8 19.5 14.8 | 20 25 70 | 40 50 60 | 0 24 24 | C C | M | No No | 40-15 40-18 | D | 45 45 | Yes Yes | No | | - | No Yes |
| | DCR-5490(C) DCR-7290(C) DCR-5390 | 400.00 350.00 300.00 | 10 x 4 18 x 4 18 x 2, 8 x 4 | | P/S P PS | 222 | 14.8 14.8 14.8 | 100 100 100 | 70 70 70 70 | 24 24 24 24 | CCC | M M M | No No No No | 30-18 ± 3 40-16 ± 3 40-16 ± 3 40-16 ± 3 | 8/C 8 8 8 8 | 72 62 62 62 | Yes Yes Yes Yes | Yes Yes | C C C C | P P P | Dut Dut Dut Dut |
| | DCR-5170 DCR-4270 DCR-4170 | 230.00 300.00 230.00 | 14 x 2, 8 x 4 18 x 2, 10 x 4 14 x 2, 8 x 4 | | P/S P/S P/S | 2 2 2 | 14.8 14.8 14.8 | 70 70 70 | 60 60 60 | 24 24 24 | A A A | M M M | No No No | 40-16 ± 3 40-16 ± 3 40-16 ± 3 | 8 | 52 62 52 | Yes Yes Yes | Yes | C | | Dut Yes Dut |
| ECLIPSE | EQZ-301(C) EQZ-303(C) ECE-302 | 599.95 499.95 380.00 | 12 x 4 | 0.8 | P P P/S | 2 2 2 | 12 12 17 | | | 24 24 24 | A A A | M M M | No No No | 20-22 20-19 30-16 | B/C B B | 76 69 67 | Yes Yes Yes | Yes | C C C | P | Yes Yes Yes |
| FAS | DAR50 DAR40 DAR25 DAR45 DAR5 | | 25 x 4 25 x 4 25 x 4 4 x 4 4 | | P/S P/S P/S P S S | 2 2 2 2 1 | 17.2 17.2 17.2 19.2 19.2 | | | 24 12 12 12 12 | A A A C | A A A M | No No No No | 40-15 ±3 50-12.5 ±3 50-11 ±3 50-13.5 ±3 50-10.5 ±3 | 8 | 60 60 50 55 50 | Yes Yes Yes Yes No | Yes Yes No | <u> </u> | P | Yes No No No No |
| FULTRDN | 16-8900 16-8800 16-8500 16-8300 16-8300 16-6900 16-6900 16-6500 16-5500 | 249.95 229.95 209.95 179.95 189.95 229.95 179.95 149.95 59.95 | 12 x 4 12 x 4 12.5 x 4 6 x 4 6 x 4 12.5 x 4 6 x 4 6 x 4 6 x 4 3 | 0.8 0.8 3 3 3 3 3 3 3 3 3 3 3 3 3 | P/S P/S P/S P/S P/S S S | 2 2 2 2 1 2 2 1 2 1 1 | 10 10 8 8 8 8 8 8 8 8 8 8 8 | 25 25 25 | 60 60 59 58 66 59 62 45 50 | 24 24 18 24 18 18 18 18 18 0 | 000000000000000000000000000000000000000 | A A A A M A M | No No No No No No No | 40-15 40-15 30-17 40-14 60-12 60-16 60-12 60-15 50-12 | D No No No D | 55 55 56 54 52 52 52 52 52 52 65 | Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes Yes No No Yes No | 000000000000000000000000000000000000000 | P P | Yes Yes Yes Yes Yes Yes Yes No No |
| JENSEN | CS 1100 CS 5500 JS 9300 JS 9400 JS 9100 JS 6123 JS 6223 | 130.00 259.95 299.95 319.95 235.00 150.00 190.00 | 5 30 15 x 4 15 5 5 | 5 5 5 5 5 5 5 2.5 | S S P/S P S | 1 5 5 5 5 2 2 | 20 16 16 16 16 16 16 | 65 61 61 61 | 68 | 18 18 24 30 24 24 24 | B C B A B B | M A A A M M | No | $50 \cdot 12$ $50 \cdot 15 \pm 3$ $40 \cdot 15 \pm 3$ $50 \cdot 15 \pm 3$ $40 \cdot 15$ $50 \cdot 15$ $50 \cdot 15$ $50 \cdot 15$ | No B D D | 55 55 55 55 | Yes Yes Yes Yes Yes Yes Yes | Yes Yes Yes Yes | D | P P | No Yes Yes Yes Yes Yes |
| JAC | KS-CG10(RIC) KS-RG8(C) KS-RG7(C) | 599.95 429.95 369.95 | 3 x 2, 12 x 2 3 x 2, 8 x 2 | 0.8 | P PS P/S | 2 2 2 | 12.1 12.1 12.1 | | | 24 24 24 | C C C | M | | $\begin{array}{r} 40-20 \pm 3 \\ 40-20 \pm 3 \\ 50-18 \pm 3 \end{array}$ | B/C B B | 68 60 60 | Yes Yes Yes | Yes Yes Yes | | R R R | 152 |
| | KS-RX770(C) KS-RX750 KS-R570 KS-R470 KS-R470 KS-RX710 | 299.95 249.95 199.95 189.95 479.95 | 8 3 x 2, 8 x 2 3 3 12 | 0.8 0.8 0.8 0.8 0.8 0.8 | P/S P/S S S | 2225 | 13.5 15.3 15.3 15.3 16.3 | | | 24 20 20 20 20 | C C C B | м | | $50-16 \pm 3 50-14 \pm 3 50-13 \pm 3 50-13 \pm 3 40-15 \pm 3$ | B B No B | 60 60 52 52 60 | Yes Yes Yes Yes Yes | Yes | | P P P | |
| | KS-RX175 KS-R155 KS-R135 KS-R125 KS-RX835(with CD) | 249.95 219.95 169.95 149.95 799.95 | 3 x 2, 8 x 2 3 3 3 3 x 2, 8 x 2 | 0.8 0.8 0.8 0.8 0.8 0.8 | P/S S S P/S | 2 2 1 2 | 16.3 17.2 17.2 17.2 12.1 | | | 20 20 20 20 24 | C C C C C C | | | $50-16 \pm 3$ $50-13 \pm 3$ $50-13 \pm 3$ $50-13 \pm 3$ $50-13 \pm 3$ 40-20 | B No No B | 60 60 52 52 60 | Yes Yes Yes Yes Yes | Yes Yes | | | |
| KAWASAKI | KR-115 KR-140 KR-146 KR-170 KR-180 KR-260 KR-262 | 115.00 175.00 200.00 255.00 359.00 479.00 479.00 | 6 6 12.5 x 4 12.5 x 4 12.5 x 4 12.5 x 4 | 0.3 0.3 1.5 1.5 1.5 1.5 | S S P/S P/S P/S P/S | 1 1 3 2 2 2 2 | 15 15 15 10 10 10 | 30 30 30 30 30 30 30 30 | 63 63 60 60 60 60 60 | 24 24 24 24 | A A C C | A M A A A A | No No No No | $\begin{array}{c} 50.12 \pm 2\\ 50.12 \pm 2\\ 50.12 \pm 2\\ 50.15 \pm 2\\ \end{array}$ | | 57 57 57 50 50 50 50 50 | No No No Yes Yes Yes | No No No Yes | D D D D D C B | | Dut Dut Dut Dut Dut |
| KENWDOD | KRC-940 KRC-740 KRC-740 KRC-640 KRC-640 KRC-440 KRC-340 KRC-340 KRC-240 KRC-140 KRC-3005 KRC-1005 | 599.00 459.00 399.00 299.00 299.00 259.00 229.00 199.00 249.00 199.00 179.00 | 15 15 15 15 15 4 15 15 15 15 15 4 4 | 1 1 1 1 1 1 1 1 1 | P P/S P/S P/S P/S S S S S S | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 12 12 12 12 12 12 12 12 12 13.2 13.2 13. | 100 100 100 100 100 100 100 100 75 75 75 75 | 73 73 73 73 73 73 73 73 73 70 70 70 | 24 24 24 24 24 24 24 24 18 18 18 18 | | | No No No No No No No No No No No No | 30-21 30-20 30-18 30-16 30-16 30-16 30-16 30-16 30-14 30-14 30-14 30-14 30-14 30-14 | B/C 8 8 8 8 | 73 65 71 63 54 63 54 54 63 54 54 54 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes Yes No No No No No No No | | R P R P P P P P | Dut Dut Out Out Out Out Out Out Out Out Out O |
| KRACD (Continued) | KF-1109 KF-1105 KF-1104 KWE-646 KWE-545 ETR-1080 ETR-1079 | 299.95 270.95 246.95 246.95 221.95 189.95 169.95 | 15 15 15 5 5 5 5 | 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | P/S S S S S S S | 2 3 2 1 1 3 1 | 9 9 10 10 9 10 | 55 53 53 53 53 53 53 53 | 60 60 58 58 58 58 58 55 | 30 18 24 18 18 18 18 | CCCAACA | A A A A M A | No No No No No No | $\begin{array}{c} 60-15 \pm 3\\ 60-15 \pm 3\\ 50-15 \pm 3\\ 70-15 \pm 3\\ \end{array}$ | B | 60 60 55 55 55 60 55 | Yes Yes Yes Yes Yes No No | Yes No No No No No No | C C C C C C D D D D D | P P P | Yes No No No No No No |

AUDIO/MAY 1992

| | | R | A [|) | 03 | 5/ | ΥT/ | \F | Þ | - | P | L | AY | 'ERS |) | | | | | | |
|--|---|---|--|---|---|--|--|--|--|--|--------------------------------------|--|--|---|-----------------------|--|--|--|--|---|--|
| NR Code A = dbx B = Dolby B C = Dolby C D = DNR O = Other | / | ^c D _{the} | uger . | | / | Der Eis | AMP | | 7 | | | - Train | | JNER | 7 | L | | e Code | 7 | PE | a ⁿ rsier (B). |
| MANUFACTURER | 100-600 | Price S United in | Average w. | THO | Output 1. | All Colored Color | oster. | Aller 30 08 5 500 | (W - Change Change | Talano SM P. Selectivity | Tuni Mumber of 0 | A nollen (N) Seek (N) | in de | Frequences Community and a | Moles - all re | Tape S. Hoducilon | Auro A Para Circuito San | Proc Reverses Heren | Fit Search? | The rate of the second | Real Internation Internation |
| KRACO (Continued) | LED-600 KID-588 KGE-601 KID-581 | 129.95 116.95 92.95 69.95 | 5 5 5 5 | 3.0 3.0 3.0 3.0 3.0 | S S S | 3131 | 9 10 10 10 | 53 50 50 50 | 55 55 55 55 | 0 0 0 | | M M A | No No No | 70-15 ±3 70-12 ±3 70-12 ±3 70-12 ±3 | | 55 55 50 50 | No Yes No No | No No No No | D D D D | | No No No No |
| L.A. SOUND | LA 740D LA 735 LA 735 LA 735 LA 545 LA 545 LA 545 LA 528 LA 528 LA 525 LA 325 LA 325 LA 228 LA 218 LA 118 LA 108 LA 1502CD(C) LA 1502CD(C) | 249.00 249.00 199.00 189.00 149.00 249.00 249.00 219.00 149.00 199.00 149.00 79.00 79.00 39.00 249.00 249.00 | 14 14 14 14 14 14 14 14 14 14 7 7 7 7 7 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | P/S P/S P/S P/S P/S P/S P/S P/S P/S P/S | 25222323221112222 | | | 55 55 55 55 55 55 55 55 55 55 55 55 55 | 24 18 18 24 30 30 18 24 18 24 18 18 18 24 18 24 24 24 24 24 | | A A A A A A A A A A A A A A A A A A A | No No No No No No No No No No No No | $\begin{array}{c} 30-15 \pm 3\\ 30-1$ | B | | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes No No No No No No No No Yes No | 000000000000000000000000000000000000000 | P P P P P P P P P P P P P P P P P P P | Yes Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes |
| MAJESTIC | MCR9135 MCR9040 MCR9139 MCR9139 MCR1700AN MCR1700AN MCR1100 MCR1100F MCR1500BT MCR84-400 MCR4650HP MCR4650HP MCR4650HP | 150.00 160.00 180.00 129.95 179.95 89.95 129.95 139.95 139.95 189.95 219.95 | 5 x 4 5 x 4 5 x 4 5 x 4 6 6 6 6 15 15 5.5 x 2, 4 x 4 | 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | P/S P/S P/S S S S S S S S S S S S S S S | 3333121122252 | 10 10 10 10 10 10 10 | | 60 60 60 60 60 60 60 60 60 55 55 65 | 18 18 0 10 0 0 0 12 12 24 | | A A M M M M M M M M | NO NO NO NO NO NO NO NO | 60-12 60-12 60-12 50-10 50-10 50-10 50-10 50-10 50-10 50-10 50-10 50-10 50-10 50-13 50-14 | в | 50 50 50 50 50 55 50 55 | No Yes Yes Yes Yes No Yes Yes Yes Yes | No No No No No No Yes No Yes | 000000000000000000000000000000000000000 | Ρ | Yes Yes Yes No Yes No No Yes Yes Yes |
| | MCR90-202HP MCR90-303HP MCR3400 MCR3500 MCR3900A MCR3600 MCR90-404HP MCR90-630 | 249.95 229.95 149.95 169.95 169.95 259.95 229.95 | 15 x 2, 9 x 4 15 x 2, 9 x 4 6 6 6 6 6 15 x 2, 9 x 4 6 6 6 4.5 x 2, 9 x 4 3.5 x 4 | 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | P/S P/S P/S P/S P/S P/S P/S P/S | 2 2 1 1 2 2 2 2 | 14 16 10 10 6 16 16 | | 65 50 60 60 60 50 50 | 24 24 18 12 12 18 24 18 | с с с с с с с | M M M A M M | No No No No No No | 50-14 50-10 50-10 50-10 50-10 50-10 50-14 50-14 | B | 60 50 55 55 50 55 60 50 | Yes Yes No Yes Yes Yes Yes | Yes No No No Yes No | C D D D D D D C | Ρ | Yes Yes Yes Yes Yes Yes Yes |
| | MCR90-707HP MCR90-909HP | 279.95 299.95 | 15 x 2, 9 x 4 15 x 2, 9 x 4 | 0.5 0.5 | P/S P/S | 5 2 | 16 16 | | 50 50 | 24 24 | C C | M M | No No | 50-14 50-14 | в | 50 60 | Yes Yes | Yes Yes | | P | Yes Yes |
| MAXITRON | MCR-2100 MCR-2300 MCR-2500 MCR-2700 | 148.95 206.95 229.95 244.95 | 8 25 25 7 x 2. 25 x 2 | 0.5 0.5 0.5 0.5 | P/S P'S P S P S | 2 2 5 2 | 12 12 12 12 12 | 65 65 65 65 | 62 62 62 62 | 18 24 24 24 | C C C C | A A A | No No No No | $\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$ | No No No No | 60 65 65 65 | Yes Yes Yes Yes | No No No | С С С С | P P P | Yes Yes Yes Yes |
| MEI | CX2850 CX2830 CX2820 CX2810 CX2770 CX2610 CX2610 CX2450 CX2250 CX2170 CX150 | 189.95 199.95 184.95 159.95 179.95 164.95 139.95 129.95 124.95 49.95 | 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 | 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 | P'S PS PS PS P/S S S S | 2 2 2 2 2 2 2 2 2 2 2 2 2 1 2 1 2 1 | 16 16 15 5 16 15 5 15 5 15 5 15 5 | 54 54 50 54 50 48 50 | 40 55 60 55 61 60 62 62 60 40 | 30 24 24 24 24 24 24 12 12 24 | B C C C C A A C | M M M M M | No No No No No No No No | $\begin{array}{c} 30\mbox{-}17\pm 0.3\\ 25\mbox{-}15\pm 3\\ 40\mbox{-}16\pm 3\\ 30\mbox{-}12\pm 0.3\\ 30\mbox{-}12\pm 0.3\\ 30\mbox{-}15\pm 0.3\\ 50\mbox{-}15\pm 0.3\\ 25\mbox{-}15\pm 0.3\\ 80\mbox{-}8\pm 0.3\\ \end{array}$ | B B D O O | 54 50 50 50 50 50 48 46 45 40 | Yes Yes Yes Yes Yes Yes Yes Yes | Yes No Yes No | C C D C D C D C D C D C C D C C | P P P P | Yes Out Out Yes Yes No No |
| METROSOUND | MXD 750ATi MXD 750ATi MXD 590ATi MXD 670ATi MXD 670ATi MXD 510AT MXD 510AT MXD 510AT MXD 505 MX 665i MX 605 MX 660i MX 600 MX 520 MX 520 MX 215 | 320.00 270.00 250.00 250.00 150.00 150.00 150.00 120.00 170.00 190.00 140.00 120.00 140.00 80.00 | 14 14 14 14 14 5 14 5 14 5 14 5 14 5 5 5 | 10 10 10 10 10 10 10 1 10 1 10 1 10 1 | P/S P/S P/S P/S P/S P/S P/S P/S P/S P/S | 222222222222222222222222222222222222222 | | | 55 55 55 55 55 55 55 55 55 55 55 55 55 | 30 30 30 18 18 12 12 12 12 18 18 18 18 18 18 | A C C C C C C A A A A A A | M A A A A A A A A A A A A A A A A A A A | No No No No No No No No No No No No | | B D D D | | Yes Yes Yes Yes No Yes Yes Yes No No Yes | Yes Yes No No No Yes No No No No | 000000000000000000000000000000000000000 | P P P P | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| MOBILE AUTHORITY | 81zx 83zx 87zx(RI) | 339.95 379.95 399.95 | 25 25 40 x 4 | 0.03 0.03 0.02 | P/S P/S P S | 2 2 5 | 24 24 24 | 65 65 65 | 67 67 67 | 18 24 24 | C C C | M A M | No No No | 20-20 20-20 20-20 | D B B | 85 85 85 | Yes Yes Yes | No Yes Yes | C C C | P P P | Yes Yes Yes |
| MXD 640AT 170.00 5 1 PS 2 55 18 C A No No No C P Yes No C | | | | | | | | | | | | | 8 | | | | | | | | |

AUDIO/MAY 1992

RADIOS/TAPE PLAYERS

| | | | | <u>Л</u> | |)/ | 17 | | L | - | <u> </u> | | | | <u>ر</u> | | | | | | |
|--|---------------------------------------|----------------------------|-------------------------------|--------------|-----------------------|-----------|-------------------------|--|----------------|-----------------------|----------|---------------------|----------|---------------------------------------|-------------|----------------|-------------------------|-----------|-------------|--|--|
| NR Code A = dbx | | | | | | | AMF | PLIF | IER | | | | T | UNER | | / | | | T/ | APE | |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Mobile Tuper | / | tool | / | / | / | () () | | 7 | 1 | | 7 | 7 | | 7 | _ | | / | / | and the second sec | - iai |
| | | 20 | | | | er E. | Filmer Construction (1) | Sion | | Tous S.N.C. Selection | 8 č | Local Seat (A) Pray | | 5/34/ 3 | | | Auto an and an Creating | 00 COO | ' / | | |
| | (notes) | Contro | / | Construction | | *** ** | E E | Alle 30 Usable S. Controls | | electi | 8 | non 9 | e) ues | Trans Connection International | | / | ciim: | olo med | / / | 3 | Wey Si |
| | | Cinit. | | C.S. | Outour , Hallon Outon | | 50e3 | 010 | 2/ | Tous SA Color | 00 - 0 | 3 = | | Freedown Community | 9 9 9 | | ALL AND COLOR | | | Se la | Pick and the second sec |
| | Henne Henne | · / . | | | Beleo | 20 | :/ <u>»</u> / | 300 | 100 | 150 | in de | 200 | S. | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | e / | edici | 0110 | Reverses | 2 | 100 | |
| MANUFACTURER | C.C. B. | in the second | Aunique M. | | Output , Halled Ou | | and a second | 0/ | ella. | 0. | | | | | | | | \$ | Elican S | | PCA IN COM |
| NAKAMICHI | Mobile Tuner | 830.00 | | | / • | 2 | 17 | 14 | 60 | 18 | I . | | | 20-20 ± 3 | | | | | | - | ·/ « |
| | Deck 1(RIC) (†See "Amps") | 000.00 | l' . | ' | | ^ | 1 | | | 10 | A | ^ | No | 20-20 ±3 | B/C | 70 | Yes | Yes | C | R | Yes |
| | Mobile Tuner Deck 2(C) | 630.00 | t | 1 | + | 2 | 17 | | 60 | 18 | A | A | No | 20-18 | B/C | 70 | Yes | Yes | C | R | Yes |
| | (†See "Amps") Mobile Tuner | 430.00 | t | t | + | 2 | 17 | | 60 | 18 | | м | No | 20-16 | B | 64 | Yes | Yes | c | R | Yes |
| | Deck 3 (†See ''Amps'') | | | | | | | | | | | | | | | | | | | | |
| OPTIMUS | 12-1944 12-1938 | 199.95 | 22 | | S | | | \square | | 30 | A | | No | 60-14 | B | | Yes | | ç | | No |
| | 12-1936 | 259.95 199.95 | 15 x 4 14 x 4 | | S S | 3 3 | | | | 30 12 | Å | ^ | No No | 50-15 50-15 | 8 8 | | Yes Yes | | C D | | No No |
| PANASONIC | CQ-080 | 339.00 | 15 x 4, 25 x 2 | | | | 15.2 | 75 | 70 | 24 | C | | | 30-15 ±3 | B | 62 | Yes | Yes | C | R | Yes |
| | CQ-D55 CQ-D50 | 309.00 | 15 x 4, 25 x 2 | | | | 15.2 | 75 | 70 | 24 | C | | | 30-15 ± 3 | | 52 | Yes | No | C | P | Yes |
| | CQ-J01 | 249.00 174.00 | 15 x 4, 25 x 2 7.5 | | | | 15.2 | 75 | 70 70 | 24 18 | C | | | 30-15 ± 3 | | 52 | Yes | | C | P | Yes |
| | CQ-ID60 CQ-V15 | 379.00 | 22 x 4 22 x 4 | | | | 13.2 | 75 75 75 75 75 75 75 75 75 | 70 70 70 | 24 24 24 | A | | | 30-15 ±3 35-20 ±3 35-17 ±3 | B | 52 62 62 | Yes Yes Yes | | C C C | Р | Yes Yes Yes |
| | CQ-V10 CQ-8580 | 299.00 259.00 | 22 x 4 20 | | | | 13.2 | 75 | 70 70 | 24 | Â | Â | | 35-17 ±3 35-17 ±3 | B | 62 62 | Yes | Yes | č | P | Yes |
| | CO-8560 CO-8530 | 229.00 209.00 | 7.5 20 | | | | 15.2 15.2 | 75 75 | 70 70 | 15 15 | A | Å | | $35-17 \pm 3$ $35-16 \pm 3$ | B | 62 52 | Yes | Yes | Ď | | Yes |
| | CQ-8520 CQ-8510 | 169.00 149.00 | 7.5 7.5 | | | | 15.2 15.2 | 75 75 | 70 70 | 15 15 | Å | Â | | 35.12.5 ± 3 35.12.5 ± 3 | | 52 52 | Yes Yes | No No | D D | | No No |
| PHILIPS | DC520 DC630 | 259.00 388.00 | 8 x 4 25 x 2 | 0.009 | P/S P/S | 22 | | | | 30 15 | CA | M | No No | 35-18 35-18 | B | 58 58 | Yes Yes | No No | C | P | Opt. |
| | | | (25 x 4 Opt.) | | | | | | | | | | | 30-10 | | 30 | 103 | | | | |
| | DC640 DC777 | 455.00 599.00 | 25 x 4 25 x 2, | 0.009 | P/S P/S | 22 | | | | 15 30 | Å | | No No | 35-18 35-18 | 8 | 58 58 | Yes Yes | Yes No | | | |
| PIONEER | KEH-M5500(C) | 360.00 | 8 x 4 25 x 2, | | P/S | 2 | | 70 | | 24 | C | M | No | | 8 | | Yes | Yes | c | R | Yes |
| | KEH-M4500(C) | 330.00 | 15 x 4 25 x 2, | | P/S | 2 | 11 | 70 | | 24 | C | M | No | | | | Yes | No | c | R | Yes |
| | KEH-M7300TR(C) | 450.00 | 15 x 4 25 x 2, | | P/S | 2 | 11 | 70 | | 24 | C | M | No | 40-17 ±3 | в | 63 | Yes | No | c | R | Yes |
| | KEH-3200QR | 295.00 | 15 x 4 25 x 2, | | P/S | 2 | 11 | 70 | | 24 | C | м | No | 40-17 ± 3 | в | 63 | Yes | No | c | R | Yes |
| | KEH-2200QR | 245.00 | 15 x 4 25 x 2, 15 x 4 | | P/S | 2 | 11 | 70 | | 24 | C | M | No | 40-14 ±3 | | 52 | Yes | No | c | R | Yes |
| | KEH-6969 | 270.00 | 25 x 2, 15 x 4 | | P/S | 2 | 11 | 70 | | 24 | C | м | No | 40-17 ± 3 | B | 63 | Yes | No | c | R | Yes |
| | KEH-4949 | 220.00 | 25 x 2, 15 x 4 | | P/S | 2 | 11 | 70 | | 24 | C | M | No | 40-14 ± 3 | | 52 | Yes | No | C | R | Yes |
| | KEH-M6200(C) KEH-M8200(RIC) | 370.00 510.00 | 25 25 | 0.05 | P/S P/S | 23 | 11 | 70 70 | 70 70 | 24 24 | C | Å | No No | 40-14 ± 3 30-19 ± 3 | ç | 52 71 | Yes Yes | No Yes | C | R | Yes Yes |
| | KEH-M7200(C) KEH-5200 KE-3700QR | 410.00 360.00 275.00 | 25 25 8 5 x 2 | 0.05 | P/S P/S P/S | 22 | | 70 | 70 70 70 | 24 24 | C | | NO NO | 40-17 ± 3 40-17 ± 3 | B B | 63 63 | Yes | Yes | C C C | R | Yes |
| | KE-3700QR | 215.00 | 8.5 x 2, 7 x 4 8.5 x 2, | 0.05 | P/S P/S | 2 | 11 | 70 70 | 70 70 | 24 24 | C C | A | No No | $50-17 \pm 3$ $50-14 \pm 3$ | 6 | 60 52 | Yes | Yes | C C | P | Yes |
| | KE-1700QR | 225.00 | 7 x 4 8.5 x 2, | 0.05 | P/S | 2 | 11 | 70 | 70 | 24 | C | Â | No | $50-14 \pm 3$ 50-14 ± 3 | | 52 | Yes | Yes | c | P | Yes |
| | KEH-9898TR | 340.00 | 7 x 4 25 x 2, | 0.3 | P/S | 2 | 11 | 70 | 70 | 24 | c | A | No | 40-17 ± 3 | в | 66 | Yes | Yes | 0 | | Yes |
| | KE-4848 | 245.00 | 15 x 4 8.5 x 2, | 0.3 | P/S | 2 | 11 | 70 | 70 | 24 | C | A | No | 50-17 ± 3 | B | 63 | Yes | Yes | D | | Yes |
| | KE-3838 | 195.00 | 7 x 4 8.5 x 2, 7 x 4 | 0.3 | P/S | 2 | 11 | 70 | 70 | 24 | C | A | No | 50-14 ±3 | | 52 | Yes | No | D | | Yes |
| | KE-2828 | 175.00 | 8.5 | 0.3 | S | 1 | 11 | 70 | 70 | 24 | C | M | No | 50-14 ±3 | | 52 | Yes | No | D | | No |
| PREMIER | KEX-M900(RIC) KEX-M850(RIC) | 1200.00 650.00 | 25 | 0.07 | P | 12 | 7 | 70 70 | 70 | 24 24 | C | A M | No No | 30-18 ± 3 25-22 ± 3 | B/C B/C | 71 73 | Yes Yes | Yes | C | R | Yes Yes |
| | KEH-M650(RIC) KEH-M580(C) | 520.00 370.00 | 25 25 x 2, 15 x 4 | 0.05 | P/S P/S | 32 | | 70 70 | 70 | 24 24 | C | M | No No | 30-22 ± 3 | B∕C B | 71 | Yes | Yes | C C | R | Yes Yes |
| | KEH-M550(C) KEH-3800R | 420.00 260.00 | 15 x 4 25 25 x 2, | 0.05 | P/S P/S | 2 | 11 | 70 70 | 70 | 24 24 | C | A | No No | 40-20 ± 3 40-14 ± 3 | B | 63 52 | Yes | Yes | c | R | Yes Yes |
| | KE-450QR | 285.00 | 15 x 4 8.5 x 2, | 0.05 | P/S | 2 | 11 | 70 | 70 | 24 | c | | No | 40-14 ± 3 50-20 ± 3 | B | 60 | Yes | Yes | c | P | Yes |
| | KE-350 | 255.00 | 7 x 4 8.5 x 2, | 0.05 | P/S | 2 | 11 | 70 | 70 | 24 | c | Å | No | 50-20 ± 3 | B | 60 | Yes | Yes | D | | Yes |
| | KE-250 | 215.00 | 7 x 4 8.5 x 2, | 0.05 | P/S | 2 | 11 | 70 | 70 | 24 | C | M | No | 50-14 ± 3 | | 52 | Yes | Yes | D | | Yes |
| PRESTIGE | P-35 | 164.95 | 7 x 4 7 x 4 | 1 | S | 1 | 11 | 74 | 70 | 24 | C | M | No | 50-10 ± 3 | - | 50 | - | - | c | P | |
| | P-45 P-55 | 249.95 299.95 | 7 x 4 25 x 2. | 1 | P/S P/S | 22 | 11 | 74 74 74 | 70 70 | 24 24 | Č | M | No No | 50-12 ± 3 30-15 ± 3 | 8 | 52 60 | Yes Yes | Yes | C C | P | Yes Yes |
| (Continued) | P-65(RI) | 324.95 | 7 x 2 25 x 2, | 1 | P/S | 2 | 11 | 74 | 70 | 24 | c | м | No | 30-15 ± 3 | в | 60 | Yes | Yes | C | Р | Yes |
| | | | 7 x 2 | | | | | | | | | | | | | | | | | | |

| | | R | 2AC |) (| 03 | 3/ | T/ | łF | PE | - | P | L | ١ | 'ERS |) | | | | | | |
|--|---|--|---|--|--|---|--|--|--|---|--|--|--|---|-----------------|--|---|--|---|------------------------|--|
| NR Code A = dbx B = Dolby B C = Dolby C D = DNR D = Dther | | | -ale- | 7 | f | Der Ere | AMP | / | 7 | | 7 | 7 | 7 | JNER | 7 | Ζ | | Code | 7 | PE | er (8) |
| MANUFACTURER | рани страници страни | Frie, S Williamon | Aurope W. | THO CH-490 Channel | Duput 1. Bull Duput | Aurona (P) | or Es | Allow - 30 18 Presson Controls | Fig. 5. Change A) + Official | Total St A.Salecium | Tumber of C. C. | Local C. Soot (A). | All C. Canada . | Found Comments | Moles | Page 5.1 coulding | Auro 1 Auro Circuit See | Pro Reverses Herena C | Fil. Chan Search? | Then Provident Clear A | Part Control Control Control (D) Parter (B). Part Control Control (D) Parter (B). Part During (D). Part During (D). |
| PRESTIGE (Continued) | P-10 P-20 P-30 | 124.95 154.95 189.95 | 7 7 25 | 1 1 1 | S P/S P/S | 1 2 2 | 16 11 11 | 65 74 74 | 70 70 70 | 18 18 18 | C C C | M M M | No No No | 50-10 ±3 50-10 ±3 50-12 ±3 | в | 50 50 52 | Yes Yes | Yes | D D D | | Yes Yes |
| PROFILE | DN570 DN522 DN520 DN514 DN510 DN500 DN934 DN932 CS909 CS907 | 230.00 180.00 170.00 152.00 140.00 120.00 220.00 180.00 180.00 150.00 | 25 25 6 6 6 25 6 25 6 25 6 | 10 10 5 5 5 5 10 5 10 5 | P/S P S P S S S P/S P/S P/S | 22221122221 | | 65 65 65 65 65 65 65 65 65 65 | 70 68 68 68 68 68 68 68 68 68 68 | 30 24 24 12 12 30 30 30 30 | 000400000 | M M M M M M M | No No No No No No No | $\begin{array}{c} 30.16 \pm 3 \\ 40.16 \pm 3 \end{array}$ | B | | Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes No No No No Yes No No | 00000000000000 | P P P R R | Yes Out Yes Out Yes Yes Out Out |
| | CS905 CS803 CS801 EX5100 | 120.00 90.00 55.00 38.00 | 6 6 6 | 5 5 5 5 | P/\$ S S S | 1 1 1 | | 65 65 65 65 65 65 65 60 | 68 68 68 65 | 18 | C | M M M M | No No No | 40-16 ± 3 40-16 ± 3 40-16 ± 3 60-14 ± 3 | | | No Yes No No | No No No | D D D D | | Out |
| PROTON | CV-760 CV-460 CV-262 CV-260 | 399.00 329.00 279.00 249.00 | 16 9 9 9 | 0.8 0.8 0.8 0.8 0.8 | P/S P/S P/S P/S | 2 2 2 2 | | 60 60 60 60 | 62 62 62 62 | 24 18 18 18 | CCCC | M M M | No No No | $\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$ | B/C B B | 70 70 70 60 | Yes Yes Yes Yes | Yes Yes Yes Yes | 0000 | P | Yes Yes Yes Yes |
| RADION | D-1010 D-1600 D-1800 D-2000A D-2700A D-3300 D-3700 D-3800A O-6800 | 50.00 90.00 102.00 140.00 200.00 170.00 230.00 230.00 350.00 | 40 40 15 15 35 15 15 15 35 15 x 2, 35 x 2 | 3 3 2 1 1 1 1 0.75 | P P P P | 1 1 1 2 2 2 2 2 2 | | | | 18 18 24 30 24 | A C C C C C | A A A A A A A M | | $\begin{array}{c} 30 - 15.5 \pm 3\\ 32 - 16.5 \pm 3\\ 28 - 15.5 \pm 3\\ 30 - 16.5 \pm 3\\ 30 - 16.5 \pm 3\\ 29 - 15.5 \pm 3\\ 20 - 18 \pm 3\\ 30 - 16.5 \pm 3\\ 28 - 17.5 \pm 3 \end{array}$ | B/C | | No Yes Yes No Yes Yes Yes Yes | Yes | - | P P P | Dut Dut Dut Out Out Out |
| REALISTIC | 12-1945 12-1946 12-1947 12-1947 12-1942 12-1942 12-1948 12-1948 12-1943 12-1943 12-1939 | 179.95 149.95 99.95 159.95 149.95 149.95 119.95 139.95 129.95 | 15 14 5 7 x 4 15 x 4 4 x 4 4 x 4 14 x 4 | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 3 | | | | 30 30 18 18 30 30 12 12 | ******* | A A A A | No No No No No No No | 60-14 60-14 50-10 14-60 50-10 50-10 125-12.5 50-15 50-15 50-15 | | | Yes Yes No Yes Yes No Yes No | No No No No No No No | 0000000000 | | No No No No No No No No |
| ROADMASTER | RS 1200 RS 1500 RS 1600C RS 1800C RS 2040C | 90.00 100.00 150.00 150.00 150.00 | 5 5 5 5 5 | 1 1 1 1 | 55555 | 1 1 3 | 13 13 13 13 13 13 | 55 55 55 55 55 | 60 60 60 60 60 | | | M M M | No No No No | 30-18 30-18 30-18 30-18 30-18 25-19 | | 70 70 70 70 70 | No No No Yes | No No No | D D D O D | | No No No No |
| ROCKSTAR | RST-511(C) RST-499(C) RST-455(C) RST-422(C) | 165.00 156.00 128.00 112.00 | 25 25 8 8 | 0.003 0.003 0.003 0.003 0.003 | P 'S P S P/S P/S | 2 2 2 2 2 | 23.2 23.2 23.2 23.2 23.2 | 65 65 65 65 | 65 65 65 65 | 30 18 18 18 | CCCC | A A A | No No No | $\begin{array}{c} 20\text{-}20 \pm 0.3\\ 20\text{-}20 \pm 0.3\\ 20\text{-}20 \pm 0.3\\ 20\text{-}20 \pm 0.3\\ 20\text{-}20 \pm 0.3\end{array}$ | B/C No No | 80 80 80 80 | Yes Yes Yes No | Yes Yes Yes Yes | 6 8 6 8 | P P P | Yes Yes Yes Yes |
| SANYD | Voice-2(RIC) MAC4000(RIC) MAR1080 MAR2200A MAR2000A MAR2000A MAR1200 MAR100 MAR1000 | 1499.99 299.99 149.99 229.99 229.99 189.99 189.99 179.99 159.99 129.99 | 9.5 x 4 9.5 3 3 3 3 9.5 3 3 3 | 0.1 0.1 0.03 0.03 0.03 0.03 0.01 0.05 0.05 | P/S P/S P/S P S P S P S P S S | 2 2 1 2 2 2 1 1 1 | 12 25 17 17 17 17 17 17 17 17 | 65 65 65 65 65 65 65 65 65 | 60 60 50 52 50 52 52 52 52 50 50 | 6 30 24 24 24 24 24 24 24 24 24 | 0 000000000 | | No No Yes Yes Yes Yes Yes Yes | $\begin{array}{c} 30 - 18 \pm 0.3 \\ 50 - 14 \pm 0.3 \\ 50 - 14 \pm 0.3 \\ 40 - 18 \pm 0.9 \\ 50 - 14 \pm 0.3 \end{array}$ | B B B | 62 52 50 60 50 50 50 50 | Yes Yes Yes Yes Yes Yes Yes Yes | Yes No Yes No No No No | Dbl. Din C C C C C C C D D | P P P | Yes Yes Yes Yes Yes Yes Yes Yes No |
| SENTREK | SCR 097 SCR 110 SCR 147 SCR 165 SCR 563 SCR 715 SCR 767 SCR 990 SCR 1801 SCR 1902 SCR 1912 SCR 1985 | 64.95 74.95 104.95 139.95 159.95 159.95 239.95 239.95 249.95 249.95 249.95 | 4 4 4 4 4 4 4 14 14 14 14 | 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 | S S P/S P/S P/S P/S P/S | 1 1 1 2 1 2 2 2 2 | 17 17 17 17 17 17 17 17 17 17 17 17 | 60 60 60 60 60 60 60 60 60 60 65 | 60 60 60 60 60 60 60 60 60 66 66 66 65 | 18 18 24 18 30 30 24 | 00000000 | M M M M A A M M M A | No No No No No No No No | $\begin{array}{c} 50-12 \pm 3\\ 50-12 \pm 3\\ 50-14 \pm 3\\ 40-16 \end{array}$ | B | 40 40 40 40 40 40 40 40 40 40 40 | No Yes Yes Yes Yes Yes Yes Yes Yes Yes | No No Yes No No No No Yes | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | P P R P | No No Yes No No Yes Yes Yes Yes |
| SHERWOOD | XR-4814(C) XR-3814(C) XR-4437 | 360.00 300.00 270.00 | 14 x 4 14 4 x 4, 14 x 2 | 0.5 0.5 0.5 | P S P/S P S | 2 2 2 | 11.2 11.2 11.2 | 80 80 80 | 70 70 70 | 20 20 30 | A A C | A A M/A | No No No | 30-18 ± 3 30-18 ± 3 20-20 ± 3 | B | 62 55 62 | Yes Yes Yes | Yes Yes Yes | D | R R | Yes Yes Yes |
| (Continued) | XR-4127 XR-3147 XR-2137 XR-3144P XR-3134 XR-4164P | 230.00 190.00 150.00 240.00 210.00 300.00 | 4 x 4, 14 x 2 4 4 4 4 4 4 4 4 4 4 4 4 x 4, 14 x 2 | 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | P S P/S P/S P/S P/S P/S | 2 2 2 2 2 2 3 | 12.4 12.4 12.8 12.4 12.4 12.4 11.2 | 80 78 76 78 78 80 | 70 70 70 70 70 70 | 30 30 30 30 30 30 30 | C C C C C C C C C C C C C C | M/A M/A M/A M/A M/A | No No No No No | $\begin{array}{c} 20 - 20 \pm 3 \\ 20 - 20 \pm 3 \end{array}$ | B | 55 54 54 55 55 62 | Yes Yes No Yes Yes Yes | Yes No No No Yes | D D D C C C | P | Yes Yes No Yes Yes Yes |

AUDIO, MAY 1992

| | | F | RAE |) | 03 | 5/ | /T/ | \ F | 2[| - | P | L | 4Y | 'EF | 22 |) | | | | | | |
|--|---|---|---|--|---|---|--|--|--|--|---|--|--|---|--------------------------------------|---|--|--|-----------------------------|---|---|--|
| NR Code A = dbx | | / | | 7 | | Γ | AMP | LIFI | ER | | | | Ţ | UNER | | | 7 | | | TA | PE | / |
| B = Dolby B C = Dolby C O = ONR O = Other | | 14 CO Ch. | Logia | | | Per Er | 065. W. | ntrois | j | | 80 % | | i Con | () () () () () () () () () () () () () (| (11) | 7 | | | ce Code | $\left \right $ | | Syneaer 181 |
| MANUFACTURER | ина 1000 | Price S | Average W. | THO Channel | Output , Maled Output | N. Camp (p) | e ter | Aller 30 Uselle San Controls | Figure Change HD Tally | Tots. Nono S.N. D. Selectivia | Tun. Mumber of 6 | Lacure Sant (A) Statuton Proper | Ally Comment Comments | Diore Contraction (m) to | H2 to they Reso | 4015 - 208 08. | Per Peduction | And A Rail of Circuit? Se | Pro Reverses 4. Welling | Fil. Search? | The range of the state | RCA Con |
| SHERWOOD (Continued) | XR-3164P XR-3154 | 270.00 240.00 | 4 x 4, 14 x 2 4 x 4, 14 x 2 | 0.5 0.5 | P/S P/S | 2 2 | 12.4 12.4 | 80 80 | 70 70 | 30 30 | C C | M/A N/A | No No | 20-20 20-20 | ±3 | | 55 55 | Yes Yes | Yes | C C | P | Yes Yes |
| SONY | XR-6077 XR-6157 XR-6287 XR-5250 XR-5250 XR-5550 XR-7130 XR-U220(C) XR-U220(C) XR-U30(C) XR-U30(ROC) XR-U70(ROC) XC-100(C) | $\begin{array}{c} 150.00\\ 200.00\\ 230.00\\ 230.00\\ 300.00\\ 300.00\\ 330.00\\ 330.00\\ 340.00\\ 400.00\\ 500.00\\ 670.00\\ 330.00 \end{array}$ | 6 6 12 9 11 11 x 4 11 x 4 11 x 4 11 x 4 11 x 4 11 x 4 20 x 4 | 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | S P/S P/S P/S P/S P/S P/S P/S P/S | 222222222222222222222222222222222222222 | 13 12.5 12.5 13 12 12 12 12 12 12 12 12 12 12 12 12 12 | 70 75 75 75 75 75 75 75 75 75 75 75 | 68 68 68 69 69 69 69 69 69 69 68 68 68 68 68 70 58 | 24 18 18 24 24 24 24 24 24 24 30 30 18 | ~ | M M M M M M M M M M M M | No No No No No No No No No No No No No | 40-15 40-16 30-16 30-16 30-16 30-16 30-18 30-18 30-16 30-18 30-18 30-20 | | No B No B B/C No B B/C B/C B/C | 58 58 55 66 55 66 76 76 76 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes | 000000000000000000000000000000000000000 | No No P R R R R R R | No Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| SONY ES | XR-U880(RIC) | 650.00 | | | P | 2 | 8 | 75 | 69 | 30 | A | M | No | 30-20 | | B/C | 76 | Yes | Yes | C | R | Yes |
| SOUND BARRIER | X-59 X-49 X-26 X-21 | 212.00 190.00 112.00 68.00 | 35 7 7 7 7 | | P/S S S S | | | | | | | M | No No No No | | | | | Yes Yes Yes No | No No No | C C D D | P | Yes No No No |
| SOUNDSTREAM | TC303 TC306 | 299.00 499.00 | 11 x 2, 4.5 x 4 | 0.8 | P/S P | 3 | 17 17 | 65 65 | 70 67 | 12 12 | B C | A M | No No | 30-20 : 30-20 : | | B/C B/C | 68 70 | Yes Yes | Yes Yes | C C | P P | Yes Yes |
| SPARKOMATIC | SR339 SR359 SR3200 SR345 SR37 SR35 SR39 SR333 | 109.99 149.99 159.99 129.99 69.99 54.99 54.99 79.99 119.99 | 5 12 5 5 5 4 5 | 1 1 1 1 1 1 | S S S S S S S | 1 1 3 1 1 3 | 20 20 9 18 20 20.8 11.2 | 55 55 65 45 40 | 60 60 60 60 50 67 62 | 18 18 24 18 18 | C C A A C | A A A M A | No No No No No No | 80-10 : 80-10 : 60-20 : 75-10 : 100-9 : 75-10 : 70-12 : | ±3 ±3 ±3 ±3 ±3 | | 50 50 65 35 35 55 55 | No Yes No No No Yes No | No No No No No | D O C D D O O D | P | Yes |
| TARGA | 0-604 0-615 0-625 0-705 0-705 0-705 0-715A 0-715A 0-820A Q-830A | 150.00 190.00 140.00 200.00 190.00 280.00 240.00 300.00 350.00 | 15 15 15 15 7 35 15 x 2, 35 x 2, 15 x 2, | 2 1 1 0.8 1 0.75 0.75 | P P P P P | 2 1 1 2 1 2 2 2 2 | | | | 5 18 30 24 30 24 24 | B A A C C C C C | A A A A M A A A M | | 35-16 30-16 30-16 30-16 30-16 30-16 25-18 30-16 30-16 30-17 5 28-17 5 | ±3 5±3 5±3 ±3 5±3 5±3 | B B/C | | No Yes No Yes No Yes Yes Yes | Yes | | P P P | Out Out Out Out Out Out Out Out |
| | R-130 R-160 R-725 R-755 | 50.00 90.00 230.00 320.00 | 35 x 2 40 40 15 15 x 2, | 3 3 1 0.85 | P P | 1 1 1 2 | | | | 24 30 | C | A A A A | | 30-15.5 32-16.5 26-17.5 20-19 | 5 ±3 5 ±3 | | | No Yes Yes Yes | | | P P | Out Out |
| | A-190A A-390A A-640A A-670A A-680A Q-6000 (Q-735C head unit with COC-5 CD changer) | 140.00 200.00 200.00 230.00 250.00 699.00 | 35 x 2 15 15 15 15 35 15 x 2. 35 x 2 | 2 1 1 1 | P P P P | 1 2 1 2 2 2 | | | | 18 18 30 30 24 30 | A C C C C C C C | A A A A | | 28-16.5 30-16.5 30-16.5 30-16.5 28-18 | 5 ±3 5 ±3 5 ±3 | 8 | | No Yes Yes Yes Yes Yes | | | P P P | Out Out Out Out Out Out |
| TOSHIBA | TX301 TX401 TX501 TX411 TX511 TX590(RI) | 189.95 289.95 279.95 289.95 309.95 799.95 | 25 25 25 25 25 25 25 x 4 | 1 1 1 1 1 | P/S S P/S P/S P/S P/S | 2 2 2 2 7 | 18 18 18 18 18 18 16 | 58 58 58 58 58 58 58 65 | 65 65 65 65 65 65 68 | 18 12 18 18 18 24 | C A C C C C C C | | No No No No No | 63-10 ± 63-10 ± 63-10 ± 63-10 ± 63-10 ± | ±3 ±3 ±3 | B B/C | 56 56 56 56 66 76 | Yes No Yes Yes Yes Yes | No No No No Yes | D C C C C C | P P P | Yes No Yes Yes Yes Yes |
| | TX560(RI) TX550 TX440 TX512 | 729.95 539.95 479.95 299.95 | Ext. 25 x 4 25 x 4 25 x 4 25 x 2, | | P/S P/S P/S P/S | 7 2 2 2 | 16 16 16 17 | 65 65 65 65 | 68 68 68 67 | 24 24 24 24 | C C C C | * | No No No No | | | B/C B/C B/C B | 76 76 76 66 | Yes Yes Yes Yes | Yes Yes Yes Yes | C C C C | P P P | Yes Yes Yes Yes |
| | TX502 TX322 | 159.95 269.95 | 7 x 2 7 x 4 25 | | S P/S | 22 | 18 17 | 58 65 | 65 67 | 24 24 | C C | M | No No | | | в | 58 66 | No Yes | No Yes | C O | Р | No Yes |
| VECTOR RESEARCH | VM-120P VM-220P | 199.95 249.95 | 20 20 | 1 | P/S P'S | 22 | 16.2 15.5 | 66 70 | 66 70 | 24 24 | C C | M | | 30-16.5 30-17.5 | | B | 54 62 | Yes Yes | Yes | C C | P P | Yes Yes |
| YAMAHA | YCR-440 YCR-525(C) | 329.00 399.00 | 20 x 4 25 x 2, | | P/S P/S | 33 | 15.0 15.2 | 75 75 | 70 70 | 24 24 | C | MA | No No | 35-17 ± | _ | B B/C | 63 76 | Yes | Yes Yes | 0 C | | Out Yes |
| | YCR-325 | 329.00 | 20 x 4 25 x 2, | | P/S | 3 | 16.3 | 75 | 70 | 24 | c | Â | No | 30-18 | | B | 68 | Yes | Yes | c | | Out |
| | YCT-925(C) YCR-340 YCR-240 | 549.00 269.00 229.00 | 20 x 4 20 7.5 | 0.003 1 1 | P P S P S | 3 2 2 | 15 15 15 | 75 75 75 | 70 70 70 | 24 15 15 | C C C | M M M | No No No | 30-15 30-15 30-15 | | B/C B | 76 64 57 | Yes Yes Yes | No No No | C D D | P | Out Out Out |

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|---|---------------------------------|--|-------------------------------|--------|
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| Method of Payment Check or Money Order enclos Mastercard Visa | ed (US Ooliars) | Total price of items *Sales Tax Shipping | | \$4 00 |
| Card Number Signature | Exp. ration: Date Print Name | TOTAL To sh pment to the foil wing states please add safes tai state and ' any local) It sh pment is to a state marked | | |
| Mail coupon to A Windham Hill Retrospective | Series | delivery charges as well CA. HY* IL, TX: MD Shipping fee applies to US shipments only. For foreign st please write to us | pping charg | jes |

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SPEAKERS

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|--------------|--|------------------|--|-----------------------------|----------------------------|---------------|--|-------------|---|---|-------------|-------------------------|--|---|---|---|
| | | | | | San Change Marin | um Power | , Wall , Mellon | / | | | | | A State of the second stat | Crimer's | ie) and | / \$ / / |
| | | / | lolvioually, | Pairs | ded Marin | 0.00 | Ohms (1 W | + 08 e. | | | | | Comment | 5 5 C | | Direct Street |
| MANUFACTURER | Moder | Price S | Price S Internationally | Second II | wanten | in the second | Frequence, Ohns 11 | | | | | | And the second | | A CONTRACTOR OF | 501004 (189100114) |
| A/D·S/ | 3201 | | | 50 | 93 | 4 | 2.5k-20k ±3 | T | | | P | / ~ | c | 34 | Yes | |
| | 300T 220W 310W 320W | | | 50 80 100 100 | 92 89 92 91 | 4 4 4 4 | $ \begin{array}{r} 2k-20k \pm 3 \\ 120-3 \pm 3 \\ 50-3 \pm 3 \\ 50-2.5 \pm 3 \end{array} $ | T W W | 4 5¼ 5¼ | | - | | F F F | 3/4 2 2 ¹ /2 13/1 | Yes Yes Yes | |
| | 220ix 320ix 310ix | | | 80 100 | 89 91 | 4 | $120-20 \pm 3$ 50-20 ± 3 | | 4 5¼ | 2 2 2 | P | Yes Yes | l f | 1% 1% | Yes Yes Yes | †Flush-mount woofer, convertible tweeter. External crossover required. As above. |
| | 420ix 420W SB6 | | | 100 150 150 75 | 92 92 92 90 | 4 4 4 | 50-20 ± 3 42-20 ± 3 42-2.5 ± 3 42-150 Hz | W S | 5¼ 6½ 6½ 6½ | 2 | P P | Yes Yes | F S | 23/8 27/6 27/6 | Yes Yes Yes | As above. |
| | M8SW M10SW S8.2 | | | 100 150 100 | 91 91 90 | 4 4 4 | ± 3 30-200 Hz 25-200 Hz 30-200 Hz | 5 5 5 | 8 10 8 | | | | F F F | 3½ 3% 3½ | Yes Yes Yes | Dual voice-colls. |
| | \$10.2 300i/s 320i/s | | 360.00 570.00 | 200 100 100 | 91 92 91 | 4 | 18-200 Hz 50-20 ± 3 50-20 ± 3 | S | 10 5¼ 5¼ | 2 | P | Yes | F, P F, P | 5 1½ 1% | Yes Yes | As above. Tweeter level control. includes separate crossover with tweeter level control. |
| | 200i i.200e L300e S6.2i | 170.00 | 260.00 400.00 510.00 | 80 60 80 100 | 88 88 90 92 | 4 4 4 | $\begin{array}{c} 120 \cdot 20 \pm 3 \\ 85 \cdot 20 \pm 3 \\ 68 \cdot 20 \pm 3 \\ 30 \cdot 85 \text{ Hz} \end{array}$ | 5 | 4 5 ¹ /4 (2)6 ¹ /2 | 2 2 2 | | No No No | P S S F, P | 15/8 2 ⁷ /8 | Yes Yes Yes Yes | As above; fits 4 x 6-inch holes. Cabinet enclosure. As above. |
| | S10 SB7 | 220.00 360.00 | | 150 200 | 90 90 | 4 | ±3 20-85 Hz ±3 30-85 Hz | S S | 10 (2)7½ | | | | F, S S | 31/8 | Yes Yes | As above. |
| | SB10 S8s | 470.00 140.00 | | 400 120 | 90 91 | 4 | ± 3 20-85 Hz ± 3 28-85 Hz | S S | (2)10 | | | | S | 3% | Yes | As above. |
| ADVENT | 4.6i 5.2i | | 119.00 119.00 | 60 90 | 89 90 | 4 | ±3 60-23 60-23 | | 4 x 6 5½ | 2 | | Na Na | F | 1% 1% | No | |
| | 5.7i 4.0i 3.5 | | 139.00 99.00 45.00 | 90 75 50 | 91 89 88 | 4 | 45-23 65-23 110-18 | | 5½ x 7½ 4 3½ | 2 2 W 2 | | No No | F F F | 23/8 13/4 13/8 | No No No | |
| AIWA | 6.9i 6.5i SC-X6500 SC-X6900 | | 149.00 139.00 109.00 | 150 125 60 | 91 91 89 | 4 | 40-23 45-23 50-22 | | 6 x 9 6 ¹ /2 6 ¹ /2 | 2 | | No No No | F | 31/8 21/4 21/4 21/8 | No No Yes | |
| | SC-X5250 SC-X5250 SC-X4600 SC-X4000 SC-X3500 | | 139.00 99.00 99.00 79.00 59.00 | 100 45 40 40 30 | 91 90 90 90 89 | 4 4 4 4 | 45-21 65-21 65-20 65-20 75-20 | | 6 x 9 5¼ 4 x 6 4 3½ | 2 2 2 | | No No No No | F F F | 2% 1% 1% 1% 1% | Yes Yes No No No | |
| ALPHASONIK | D-240 D-250 D-265 W-1030 | 49.50 | 69.00 160.00 175.00 | 50 65 80 200 | 90 92 92 96 | 4 4 4 | 55-22 45-22 35-22 30-4 | w | 4 5 6½ 10 | W 2 2 | | No No | F F F | 2% 2½ 3¾ | No No No | |
| ALPINE | 6663 6563 6562 | 120.00 | 200.00 180.00 360.00 | 150 105 150 | 88 86 87 | 4 4 4 | 47-22 70-22 50-22 | | 6½ 5¼ 5¼ | 2 2 2 | | | F, S F, S F, S | 3 2 ¹ /s 2 ¹ /s | | |
| | 6081 6366CX 6223CT 6017EX | 120.00 | 190.00 90.00 60.00 | 300 120 45 90 | 89 91 90 87 | 4 4 4 | 45-2 50-22 70-21 5k-20k | т | 6 ¹ /2 4 | 32 | | | S F, S S | 2 ¹ /8 13/4 | | For Toyotas. |
| | 6259EU 6045CX 6015CX 6012CX | 400.00 400.00 | 500.00 130.00 | 120 100 400 400 | 89 91 94 92 90 | 4 4 4 4 | 50-24 70-23 21-1 26-1.2 | 5 5 5 5 5 | 6½ 4 15 12 | 22 | | Yez No | Ρ | 13/4 15/6 53/8 41/2 | | |
| | 6005CX 6002CX 6963 6010EX | 200.00 150.00 | 220.00 110.00 | 200 200 150 120 | 90 90 89 91 | 4 4 4 | 22-300 Hz 24-300 Hz 44-22 2.5k-22k | 5 5 T | 15 12 6 x 9 | 2 | | No | s | 7 6½ 3% | | |
| | 6046ED 6056ED 6066EX 6247CD | | 200.00 220.00 240.00 80.00 | 90 120 120 | 89 90 91 90 | 4 4 4 | 75-22 60-22 50-22 70-21 | | 4 5¼ 6½ | 2 | Â A A | Yes Yes Yes No | F, S F, S F, S F | 13/4 21/8 21/8 13/4 | | |
| | 6257CD 6256CD 6397CX 6367CX | | 90.00 120.00 140.00 130.00 | 90 90 90 | 90 92 91 | 4 4 4 | 48-22 | | 5¼ 5¼ 6 x 9 | 223 | | No No No | F F F | 174 | | |
| | 6137AX 6147AD 6204 6210 | | 50.00 60.00 100.00 | 30 30 60 | 88 89 90 | 4 4 4 | 55-21 80-20 70-20 75-21 | | 6½ 3½ 4 4 x 6 | 2222233WW222323 | | No No | FFF | 1½ 1% 1% | | |
| | 6267AX 6366 6297AX | | 150.00 90.00 190.00 110.00 | 90 90 120 90 | 90 91 89 92 | 4 4 4 | 50-22 55-20 50-21 48-21 | | 4 x 10 5½ 5½ 5 x 9 | 232 | | No No No | FFFF | 2% 1% 2% 2% | | |
| | 6396 6482 6011CX 6041 | | 210.00 260.00 160.00 140.00 | 150 150 150 180 | 93 89 88 87 | 4 4 4 | 45-21 40-20 2k-22k 100-17 | T M | 6 X 9 8 | 32 | | No No | c | 3½ % | | Box enclosure. |
| | 6051 6061 6013 | 150.00 | 140.00 190.00 | 180 180 200 | 87 87 89 | 4 | 75-15 50-8 22-1.2 | M M W S | 6½ 10 | | | | F F F | 21/8 27/8 4% | | |
| 86 | | | | | _ | | | | | | | | | | _ | |

UNFORTUNATELY, COMPARABLE SPEAKERS HAVE ONE MAJOR DISADVANTAGE. THEY WON'T FIT.

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It took almost a decade of research, and Inductive Coupling Technology (ICT)™ to accomplish it. But the result is incredible. A totally new speaker design that combines big, clear sound and compact speaker size. So compact, they'll fit behind most original equipment grilles.



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With ICT, the speaker's high frequency element is

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"inductively coupled" to the woofer's voice coil. This means the high notes have the same acoustical center as the low notes. The design eliminates any need for a crossover, so distortion is reduced, and reliability dramatically increased.

In short, the ideal car speaker. And Advent is the only company in the United States to offer ICT in automobile speakers.

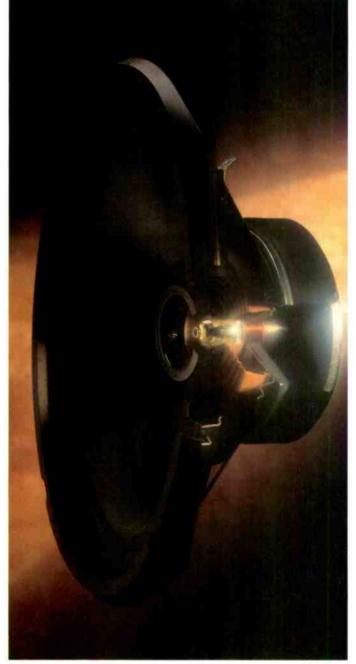
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SPEAKERS DRIVERS

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| | | | | | / | QON'S' | L'IN COL | | | | | $ \ \ $ | | and a second | 7.5 | / § / / |
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| ANUFACTURER | and the second second | A ST | J. J. | Heco. | | | | <u> </u> | ¢ | | // | | | See See | | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 |
| ALTEC LANSING | M400 M514 M615 M41 M50 M65 TW2 | | 140.00 170.00 200.00 50.00 70.00 100.00 150.00 | 60 100 100 50 60 80 100 | 90 90 91 89 90 90 90 | | 90-8 ± 3 60-8 ± 3 55-8 ± 3 80-8 ± 3 60-8 ± 3 55-8 ± 3 3.5k-22k ± 3 | W W W W W T | 4 5½ 4 5 6½ | | A | | F F F F F, S | 131 156 252 176 176 254 | Yes Yes Yes | |
| | TW1 ALS525.1 ALS52.1 ALS52.1 ALS40.1 ALS46 ALS12 ALS10 ALS6.5 ALS6.9 ALS5 ALS4 | 375.00 325.00 | 50.00 325.00 220.00 150.00 110.00 180.00 180.00 100.00 70.00 | 80 100 70 50 50 400 80 80 80 60 40 | 90 † 90 90 90 99 98 91 93 91 90 | - | $\begin{array}{c} 3.5k-20k\\ \pm 3\\ 60-22\ \pm 3\\ 60-22\ \pm 3\\ 80-22\ \pm 3\\ 100-20\ \pm 3\\ 80-20\ \pm 3\\ 30-5\ \pm 3\\ 30-5\ \pm 3\\ 45-20\ \pm 3\\ 35-21\ \pm 3\\ 60-20\ \pm 3\\ 80-20\ \pm 3\\ \end{array}$ | T 8 8 | 51/4 61/2 51/4 31/2 10 61/2 6 x 9 5 4 | 2 | A/P | Yes No No No No | S F.S S S P F.F.F.C S S | 15% 13% 47% 41% 21% 33% | Yes Yes Yes Yes Yes Yes Yes Yes | †Wooler, 89 d8; tweeter, 91 dB. Fits 4 x 6-inch hole. |
| | ALS693 ALS692 ALS500 ALS35 ALS8 55 | | 300.00 260.00 260.00 70.00 200.00 250.00 | 120 120 100 30 150 80 | 93 93 89 88 90 85 | 4 4 4 | $50-22 \pm 3 50-22 \pm 3 60-22 \pm 3 90-22 \pm 3 45-3 \pm 3 95-20 \pm 3$ | \$ | 6 x 9 6 x 9 5¼ 3½ 8 4 | 2 3 2 2 W 2 | - - - | Na Na Yes | S C P F, S S | 31/2 31/2 11/2 21/0 | Yes Yes Yes Yes Yes Yes | Biamp capable. As above. 4 x 6-inch adaptor plate supplied. Cabinet enclosure. |
| AMRITA AUDIO | 6½" Driver 8" Driver 10" Driver | 60.00 70.00 80.00 | | 100 200 200 | 92 90 89 | 6 6 6 | 50-5 40-3 35-1.5 | W W W | 6½ 8 10 | | | | F F F | 2% 3½ 4½ | No No No | |
| ANABA AUDID | 1570 AA525 AA300 AA830 AA1030 AA1050 AA1230 AA1250 | 149.95 74.95 89.95 99.95 106.95 119.95 | 37.50 36.00 | 500 150 150 200 250 300 350 400 | 99 94 96 97 98 98 99 | 4 4 4 4 4 4 4 | 25-2 50-5 3k-21k 30-3 25-2 25-2 25-2 25-2 25-2 | WMT WWWW | 15 8 10 10 12 12 | | - | | | | | |
| ANDANTE | M50 1570 | 183.00 | 149.95 | 60 400 | 90 | 4 | 55-21 ± 3 | - | 4 | 2 | P | No | S E | 6 | No | Box enclosure. |
| A FUMIC LOUDSPEAKERS | 1570 1270 1070 1550 1250 1252 1254 Free Air 1254 Dual Voicecoli | 183.00 155.00 144.00 138.00 111.00 122.00 125.00 125.00 | | 400 300 250 300 250 250 250 250 250 | 88 89 90 91 92 90 90 | 4 4 4 4 2 4 4 | 20-800 Hz 25-1 30-1.5 28-1.5 40-2 28-1 | *** | 15 12 10 15 12 12 12 12 | | - | | | 6 5 4 ¹ /4 5 ¹ /2 | No No No No No No | Requires box enclosure. As above. As above. As above. As above. As above. As above. As above. |
| | 1050 0850 1030 830 630 0525 0456 0206 0306 NP1594 HP1294 HP1094 | 105.00 94.00 86.00 77.00 69.00 71.00 55.00 275.00 239.00 141.00 | 98.00 71.00 | 200 100 75 75 75 75 600 600 400 | 95.8 95.5 91 96 97 97 96 | * * * * * * * * | 30-1.5 40-2.5 16-800 Hz 22-1 25-1.5 | W W W M T T S S S | 10 8 10 8 5 15 12 10 | 2 | | Yes | | | No No No No No No No No | Requires box enclosure. As above. As above. |
| AUDIOPHILE | 1.1 5.1 8.2 10.1 10.2 2.5 | 79.00 99.00 110.00 120.00 130.00 379.00 | 179.00 | 40 100 100 250 250 100 | 89 89 91 91 94 91 89 | 4 4 4 4 4 4 | 3.5k-20k 50-3.5 27-2 27-2 25-2 27-2 50-20 | T W S S S S | 5 8 18 10 5 | | A/P A/P | Yes | \$ F F F F | 1% 3½ 3½ 4½ 4½ | Yes Yes Yes Yes Yes Yes Yes | External crossover required. As above. Dual volce-colls. As above. †Flush-mount woofer, surface-mount tweeter. |
| AUDIOSOURCE | LS Two/A | | 249.00 | 50 | 89 | 4 | 60-20 | | 5 | 2 | | No | S | | 4 | Cabinet enclosure. |
| AUDIOVOX | SC-696 CDWP-200 SW-50 SL-50 SL-30 SL-30 SL-10 TRY-45 TRY-35 TRY-30 CX-115 CX-115 CX-15 CX-15 SC-30 SC-1 | | $\begin{array}{c} 35.00\\ 125.00\\ 100.00\\ 100.00\\ 100.00\\ 50.00\\ 50.00\\ 50.00\\ 50.00\\ 50.00\\ 50.00\\ 50.00\\ 50.00\\ 30.00\\ 30.00\\ 30.00\\ 30.00\\ 25.00\\ \end{array}$ | 40 100 60 150 200 60 120 120 120 120 120 120 80 80 80 60 | | 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 | 20-15 100-18 40-20 70-20 70-18 90-18 120-17 70-18 80-18 80-18 80-18 80-18 80-18 80-18 100-18 100-18 100-20 110-17 120-15 120-15 120-15 | | 64565654554554555555555555555555555555 | W 3 2 3 3 2 2 2 3 3 2 2 2 2 2 2 2 2 2 2 | | No No No No No No No No No | | | No No Yes Yes Yes No No No No No No | |

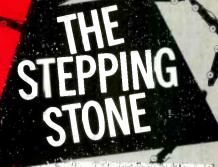
Speakers

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| MANUFACTURER | Mode | Price II | A LIC | - All | * 3 | | and the state | 13 | */ *° | . | 7/ 🗸 | | | ⁸ 3 | | Males Mailes |
| AUTOTEK | 46BTM 86BTM | 69.97 69.97 | | 160 160 | | 4 | 40-3 40-3 | M M M | | | | | F | 3 | No No | |
| | 488TM 888TM 4108TW | 79.97 79.97 119.95 | | 160 160 | 93 | 8 | 40-3 35-3 20-1 | M | 10 | | | | F F F | 3 ¹ /2 3 ¹ /2 | No No | |
| | 412BTW 415BTW | 129.95 | | 260 260 260 | 93 94 94 | ļĮ. | 20-1 20-1 20-800 Hz | \$ \$ \$ | 10 12 15 | | | | F F | 41/8 43/4 53/4 | No | †2, 4, or 8 ohms. |
| AVI | SL380 | 375.00 | | 500 | 95 | 4 | 25-600 Hz ± 3 | S | 15 | | | | F | 51/1 | No | |
| | SL300 | 305.00 | | 500 | 94 | 4 | 28-700 Hz ±3 | S | 12 | | | | F | 43/8 | Mo | |
| | SL250 SL200 | 240.00 | | 500 300 | 92 91 | 4 | 30-800 Hz ±3 35-1 ±3 | S S | 10 8 | | | | F | 35/1 33/1 | No | |
| | SL170 MX100 | 130.00 | 160.00 | 300 | 90 91 | 4 | 42-1.6 ± 3 125-6.2 ± 2 | S M | 61/2 | | | | F | 21/8 | No Yes | |
| | MX130 MX160 HF13N | | 200.00 250.00 60.00 | 200 240 120 | 92.5 93.5 95 | 4 | 75-6,2 ± 2 60-5,2 ± 2 5k-24k ± 2 | | | | | | F | 23/8 21/2 | 999 1997 1997 1997 | Instuden exemptions |
| | HF25S | | 125.00 | 240 | 93 | 1 | 2.4k-22k ±2 | † | - | | A | | S F, S | 3⁄4 | No | Includes crossovers. |
| | HF25V | | 150.00 | 240 | 93 | 4 | 2.4k-22k ±2 | Т | | | A | | F, S | 3/4 | No | |
| 8 & G Mobile Concepts | Speaker Panels | | 370.00 | 200 | 97 | 3.2 | 100-21 ± 3 | | | 2 | | | | | Yes | Requires Model 2525 Audiodoors (replaces doors of Jeep CJ-7, CJ-8, |
| GUNGEFIS | | . | | | | | | [| | | | | | | | and Wrangler), \$1110.00 per pair, or Model 2013 Satellite (rear enclosure), \$290.00 each; also requires |
| | | | | | | | | | | | | | | | | Connections Kit (wiring, connectors, and tweeter gain control), \$160.00. |
| | 2012 | 930.00 | | 600 | 98 | 6.3 | 30-100 Hz ± 3 | S | (2)12 | | | | | | Yes | Enclosed subwooler; for Jeep CJ-7, CJ-8, and Wrangler. |
| BLACK KNIGHT | 833 CCS AT-10 | 259.99 | 39.99 | 80 40 | 92 90 | 4 | 45-20 7k-20k | T | 8 | 3 | Р | Yes | F, S S | 31/4 | Yes Yes | |
| BLACK MAX | UES-800 UES-600 UES-1000 | 90.00 65.00 125.00 | 180.00 130.00 250.00 | 250 180 300 | 95 95 96 | 4/8 4/8 4/8 | 30-3.5 45-4.0 28-3.5 | WWW | 8 6½ 10 | | | | F | 4¼ 3 4 | | For sealed enclosure. As above. As above. |
| | UES-1200 UES-1500 | 150.00 180.00 | 300.00 360.00 | 400 450 | 98 99 | 4/8 4/8 | 25-3.5 28-3.5 | Ŵ | 12 15 | | | | F | 51/4 61/2 | | As above. As above. |
| BLAUPUNKT | UES-1800 ZL 693 | 225.00 | 450.00 249.95 | 450 300 | 99 93 | 4/8 | 23-3.5 30-25 | W | 18 6 x 9 | 3 | | No | F | 7 | Yes | As above. Wooter has second voice-coil for |
| | ZL 653 ZL 603 | | 199.95 179.95 | 150 120 | 93 93 | 4 | 35-25 40-25 | | 61/2 | 3 | | No No | F | 23/4 21/2 | r'es r'es | connection to subwooter amp. As above, As above, |
| | ZL 542 | | 139.95 129.95 | 120 90 | 93 93 | 4 | 43-25 45-25 | | 5¼ 4 | 2 | | No | F | 21/4 | Yes | AS 80046. |
| | RL 6935 RL 6920 RL 6528 | | 139.95 119.95 99.95 | 150 100 | 94 93 92 | 4 | 30-24 35-24 | | 6 x 9 6 x 9 | 3 | | No | F | 3½ 3½ | Yes Yes | |
| | RL 5428 | | 89.95 89.95 | 80 80 50 | 92 91 91 | 4 | 40-24 45-24 50-24 | | 6½ 5¼ 4 x 6 | 2 2 2 | | No No No | F F F | 21/8 21/4 2 | Yes Yes Yes | |
| | RL 4025 HC 1660 | | 79.95 99.95 | 50 60 | 91 91 | 4 | 50-24 45-18 | | 4 6½ | 2 | | No No | F | 2 2 ¹ /8 | Yes Yes | Honeycomb driver. |
| | HC 1340 HC 1030 CL 4665P | | 89.95 79.95 124.95 | 40 30 60 | 90 89 90 | 4 | 50-22 70-20 90-20 | | 5 4 4 x 5 | , | | No No | F | 13/4 13/4 11/2 | Yes Yes Yes | As above. As above. |
| | RL 5400P CB 4500 | | 149.95 159.95 | 100 | 92 89 95 95 | 4 | 45-20 30-20 | | 5¼ 4 | 2 2 2 | | | P | 11/18 | Yes | |
| | ACS 1221 ACS 1021 ACS 8021 | 119.95 89.95 79.95 | | 200 200 200 | 95 95 95 | 4 | 20-3 25-3 35-3 | WWW | 12 10 8 | | | | F F ■ F | 43/4 41/4 33/1 | Yes Yes | |
| | ACS 1000 ACS 1521 | 199.95 | 99.95 | 100 | 95 90 96 | | 3k-20k 20-2.5 ± 3 | | 15 | | | | S F | 378 6 | Yes Yes Yes | |
| | ACS 65 ACS 60 ACS 54 | | 149.95 139.95 129.95 | 225 180 150 | 96 93 93 93 | | 30-5 35-5.5 | T S W W W | 6½ 6 5¼ | | | | F F | | Yes Yes | |
| | ACS 40 ACS 10 | | 109.95 229.95 | 120 450 | 93 93 | 4 | 38-7.5 40-8 3.5k-25k | Ŵ | 4 | | P | | F F.S | 2 | Yes Yes | includes frequency-selectable |
| BLUES | BDT25 | | 89.95 | 75 | 93 | 4 | 3k-20k + 3 | Т | | | | | F, S | 3/4 | No | crossover. |
| | BL3.5 BL4 | | 99.95 109.95 | 30 50 | 86.5 86 88.5 | 4/8 | 165-8 ± 3 135-3.5 ± 3 | | | | | | F, S F, S | 11/2 21/1 23/1 | NO NO | |
| | BL5.25 BL6.5 BL8 | 79.95 89.95 | 119.95 | 50 100 100 | 88.5 87.5 89.5 | 4/8 4/8 4/8 | 90-3.5 ±3 30-4 ±3 30-4 ±3 | W | 6½ 8 | | | | F, S F, S F, S | 2% 2% 3% | No No No | |
| | 6L10 BL12 | 129.95 149.95 | | 150 150 | 90 91 | 4/8 4/8 | 25-3 ± 3 25-2.5 ± 3 | W | 10 12 | | | | F, S F, S | 43/8 5 | No No | |
| | 8L15 8T62 8T82 | 179.95 | 279.95 329.95 | 150 200 200 | 93.5 90.5 93 | 4/8 4 4 | 25-2 ±3 45-40 ±3 40-40 ±3 | W | 15 5½ 8 | 2 | | No No | F, S | 6 | No No No | Enclosure; for trucks. As above. |
| | BT102 BT122 | | 399.95 479.95 | 250 300 | 93 94 | 4 | 38-40 ± 3 38-40 ± 3 | | 10 12 | 2 2 2 | | No No | | | No No | As above. As above. |
| | BH6-02 BH8-02 | 289.95 349.95 | | 200 200 | 90.5 92.5 | 4 | $40-40 \pm 3$ $40-40 \pm 3$ | | 6½ 8 | 2 | | No | | | No | Enclosure; for vans, hatchbacks, and 4 x 4s. |
| | BH10-02 BH12-02 | 419.95 479.95 | | 250 300 | 94 94 | 4 | $38-40 \pm 3$ $38-40 \pm 3$ | | 6 10 12 | 2 2 2 | | NO No No | | | NO NO NO | As above. As above. As above. |
| (Continued) | BH15-02 TRISOBARIC-10 | 599.95 459.95 | | 300 300 | 96.5 87.5 | 4 | 38-40 ± 3 35-250 Hz | \$ | 15 10, | 2 | | No | | | No No | As above. Enclosed subwoofer. |
| (| | ŀ | | | | | | | (2)8 | | | | | | | |

AUDIO/MAY 1992

SPEAKERS

| MANUFACTURER DRIVERS 000 | |
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| MANUFACTURER 100 <t< th=""><th></th></t<> | |
| MANUFACTURER 100 <t< td=""><td></td></t<> | |
| BLDEs INSUBARIC-100 459.55 300 87.5 4 35-250 Hz S 10, No As above. (Continued) ISO-KIT 10 349.95 300 91 4 25-250 Hz S 10, F, S 9 No As above. | |
| BLDEs INSUBARIC-100 459.55 300 87.5 4 35-250 Hz S 10, No As above. (Continued) ISO-KIT 10 349.95 300 91 4 25-250 Hz S 10, F, S 9 No As above. | |
| ISO-KIT 10 349.95 300 91 4 25-250 Hz S (2)10 F, S 9 No isobaric enclosed subwooler. | |
| | |
| Monitor Monitor <t< td=""><td>- trucke</td></t<> | - trucke |
| ACOUSTICS ProSeries Neo 11 260.00 170 89 4 44-20k ±3 T P F, S 1/2 Yes Includes crossover. | r wucks. |
| 893 349.95 120 87 4 36.20 ±3 6 x 9 3 A/P Yes C 3/a Yes 861 249.95 120 87 4 48.20 ±3 6 ye 2 A/P Yes C 3/a Yes 851 229.95 100 87 4 48.20 ±3 6 ye 2 A/P Yes C 2 ye 841 219.95 80 87 4 85-20 ±3 4 2 A/P Yes C 1 ye ProSeries 4.2 380.00 80 89 4 100-20 ±3 4 2 A/P Yes C 1 ye ProSeries 5.2 400.00 130 89 4 65-20 ±3 5 ya 2 A/P Yes C 1 ya Yes | |
| ProSeries 5.2 400.00 130 89 4 65-20 ±3 51/4 2 AP Yes C 21/4 Yes ProSeries 6.2 430.00 170 89 4 55-20 ±3 6 2 AP Yes C 21/4 Yes ProSeries 8.0LF 200.00 430.00 170 89 4 20-1 ±3 S 8 8 | |
| ProSeries 10.4LF 250.00 500 93 4 20.1 ±3 5 10 4¼ Yes ProSeries 10.8LF 250.00 500 93 8 20.1 ±3 \$ 10 4¼ Yes ProSeries 10.8LF 250.00 500 93 8 20.1 ±3 \$ 10 4¼ Yes ProSeries 12.0LF 325.00 700 95 4 20.1 ±3 \$ 10 4¼ Yes | |
| C700 Series II 199.95 100 87 4 58-20 ± 3 5¼ 2 No P 1½ Yes 797 199.95 80 89 4 36-20 ± 4 6 x 9 3 No F 2½ Yes 767 149.95 50 89 4 36-20 ± 4 6 x 9 3 No F 2½ Yes 767 149.95 50 89 4 56-20 ± 4 6½ 2 No F 2½ Yes 757 129.95 50 89 4 56-20 ± 4 6½ 2 No F 1½ Yes 757 129.95 50 89 4 56-20 ± 4 5½ No F 1½ Yes | |
| 757 (129.95 50 89 4 58-20 ± 4 55/2 ± 4 51/2 No F 14/4 Yes 727 (109.95 20 90 4 100-20 ± 3 3 2 No P 11/2 Yes Fits American and European (710LF (179.95 200 92 4 33-120 Hz S 10 F 3/4 Yes Fits American and European (| ars. |
| 780LF Series II 149.95 200 91 4 40-120 Hz S 8 F 33% Yes | |
| 701 99.95 80 90 8 4k-20k ± 3 T A/P C 1/2 Yes Includes crossover. 705 89.95 40 90 4 58-17 ± 3 51/4 W F 1/2 Yes Includes crossover. 707 50.95 40 90 4 58-17 ± 3 51/4 W F 1/2 Yes Includes crossover. | dal |
| 704 79.95 25 90 4 90-17 ± 3 4 W F 13/4 Yes | aei |
| 80STWICK 80S-654/658 69.50 100 91.8 4/8 55-4.5 W 61/2 F 3 No 80S-824/828 79.50 100 90.1 4/8 40-1.2 S 8 F 31/2 No | |
| 805-844/848 99.50 125 91.4 4/8 35-2.5 S 8 F F 37/8 No 805-1024/1028 89.50 100 91.8 4/8 35-2 S 10 F 4 No 805-1044/1028 104.50 125 92.3 4/8 38-3 S 10 F 4 No | |
| 805-1224/1228 109.50 100 91.4 4 8 37-3.5 S 12 F 4 ⁷ / ₂ No 805-1244-1248 119.50 125 92.7 4/8 37-3.5 S 12 F 5 No 805-1544-1548 139.50 125 93.7 4/8 25-1 S 15 F 6 5/N No | |
| 805-1564/1568 179.50 250 94.8 4/8 22-800 Hz \$ 15 F F 64 No 808-354/358 38.50 50 86.3 4/8 250-11 M F 11/2 No 809-404/408 43.50 77 87.8 4/8 150-8 M F 21/2 No | |
| 805-254/5258 59.50 100 90.2 4/8 100-5 W 5½ F 2½ No 808-8014/8018 24.50 35 90 4/8 3k-20k T F F ½ No 808-8004/8008 29.50 50 91 4/8 3k-20k T F F ½ No | |
| 805-HD14/HD18 16.50 25 88 4/8 6k-18k T F 5% No B0S-HD24/HD28 17.50 25 88 4/8 6k-18k T F 5% No F 3/9 25 88 4/8 6k-18k T F 5% No F 3/9 25 88 4/8 6k-18k T F 5% No F 3/9 25 88 4/8 6k-18k T F 5% No | |
| 20-319 81.00 55 4 50-18 3 No 5 Wedge style. 20-315 19.00 15 4 60-18 3 No 5 4/4 Wedge style. | |
| CANTON BMW 5/7 295.00 80 4 5½ 2 P Yes C 2% Yes VW Golf II 349.00 80 4 5½ 2 P Yes C 2% Yes HC100 295.00 60 87.2 4 48-30 ± 3 4 2 A No S No | |
| Pullman 495.00 80 89.7 4 45-30 ± 3 (2)4 3 A No Š No | |
| | |
| CX 160 349.00 50 91.8 4 5 2 Yes F 234 Yes TI 25 125.00 4 2.5k-30k T 5 2 Yes F 34 Yes | |
| M 120 125.00 4 150-2.5 M F 134 Yes W 160 150.00 4 150-2.5 M F 2 Yes External crossover required. W 205 250.00 4 W 6 F 3 Yes As above. W 280 209.00 4 S 10 F 3¼ Yes Out voice-colls; includes cro Sub 280 295.00 4 8 10 F 3¼ Yes Out voice-colls; includes cro Sub 300 350.00 130 4 18-250 Hz S 10 F 3¼ Yes Out voice-colls; includes cro | |
| Sub 280 295.00 4 5 10 F 3/4 Ves Yes Oual voice-colls; includes cro ± 3 Sub 300 350.00 130 4 18-250 Hz S 10 F 3/4 Yes Oual voice-colls; includes cro Sub 300 350.00 130 4 18-250 Hz S 10 F 3/4 Yes Oual voice-colls; includes cro | \$0V6 7. |
| | |
| A0-12 279.00 600 95 4/6 30-500 Hz S 12 F 5.7 Yes A0-15 399.00 600 97 4/8 30-500 Hz S 15 F 6.4 Yes | |
| CERWIN-VEGA S-8 Free Air 100.00 150 92 8 30-800 Hz S 8 F 31/s Yes S-10 Free Air 110.00 150 92 8 30-800 Hz S 8 F 31/s Yes | |
| S-12 Free Air 120.00 250 98 8 20-500 Hz S 12 F 4% Yes S-15 Free Air 150.00 250 101 8 20-400 Hz S 15 F 14 Yes | |
| CS-9 229.00 150 94 4 40-20 ± 3 6 x 9 2 Yes F, S 2% Yes H.1. overioad protected. CS-6 179.00 80 94 4 60-20 ± 3 6½ 2 Yes F, S 2½ Yes H.1. overioad protected. MW-6 179.00 80 92 4 60-20 ± 3 M C 2 Yes F, S 2½ Yes A above. XL8S 119.00 150 4 40-800 Hz S 8 F 3½ Yes | |
| XL8D 119.00 \dagger \dagger \dagger 40.800 Hz S 8 F J ¹ / ₂ Yes \dagger Dual voice-colls, 75 watts at ± 3 | d |
| (Continued) XL10S 139.00 250 94 4 30-800 Hz S 10 F 41/2 Yes 4 0 Hr a per con. | |



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SPEAKERS

| | | | | / | / | a min | Manuf | / | | | / | / / | | Ortheast | Wingo & Canal (S) | Moles |
|----------------------------|-------------------------------|--------------------------|-------------------------|--|-------------------|----------|--|-------------|----------------------------|--|----------|--|----------------|------------------------------|------------------------------|--|
| | | | Price S Individually | Recome in Pairs | Sec. Chamer Matin | | Freesence, DPL / W. | Buse | | and the second s | | | a show wounder | | $\left \frac{1}{2} \right $ | |
| | | | Indivi | in Pai | hand | 8 | Frequence, SP(| 0.0 | | | | | A Com | Conversion (C. Su | | I'DOI eq |
| | Moder | 11 c. S | 11 C 2010 | 0100 010 | Ster S | | Pedan, | | | | | | | | in the second second | Moles |
| MANUFACTURER | (| | | / 2 2 1 | <u>د ا</u> | /_ | r/ &* | | | | ·/ *** | <u>/ </u> | | | <u> </u> | |
| CERWIN-VEGA (Continued) | XL10D | 139.00 | | t | 94 | † . | 30-800 Hz ± 3 | S | 10 | | | | F | 41/2 | Yes | †Dual voice-coils, 125 watts and 4 ohms per coil. |
| | XL12S XL12D | 149.00 149.00 | | 250 | 98 98 | 4 | 20-500 Hz ±3 | S | 12 | | | | F | 51/2 | Yes | |
| | XL12D | 199.00 | | t 300 | 101 | 4 | 20-500 Hz ± 3 20-400 Hz | S | 12 15 | | | | F | 5½ 6¼ | Yes | †As above. |
| | XL15D | 199.00 | | t | 101 | t t | ± 3 20-400 Hz | s | 15 | | | | r | 6 ¹ /4 | Yes Yes | †Dual voice-coils, 150 watts and |
| | XL18S | 399.00 | | | 103 | 4 | ±3 18-250 Hz | s | 18 | | | ' | | 71/2 | Yes | 4 ohms per coil. |
| | CMT-5 | | 199.95 | 100 | 92 | 4 | ±3 40-20 ±3 | | 61/2 | 2 | | Yes | s | | Yes | H.f. overload protected. |
| CLARION | SEP5300 SEP5301 | | 25.00 40.00 | 45 45 | 89 89 | 4 | 100-20 100-20 | | 31/2 31/2 | W 2 | | No | F | 1½ 1½ | | |
| | SEP5403 SEP5402 | | 50.00 90.00 | 45 120 | 90 92 | 4 | 90-20 40-22 | | 4 x 6 4 x 10 | 2 2 2 2 2 | | No | F | 1¥4 2 ¹ ⁄2 | Yes | |
| | SE6275 SE7360 | | 75.00 100.00 | 100 120 | 92 91 | 4 | 40-21 40-22 | | 6½ 6 x 8 | 2 | | No | F | 21/1 21/1 | Yes Yes | |
| | SE1400 SE2401 | | 40.00 60.00 | 45 60 | 90 90 | 4 | 60-18 80-21 | | 4 | ₩ 2 | | No | F | 1¥4 1½ | Yes | |
| | SE1501 SE2500 | | 40.00 70.00 | 60 60 | 90 90 | 4 | 60-20 60-22 | | 5 51⁄4 | W 2 | | No | F | 1% 1% | Yes Yes | |
| | SE1600 SE2601 SE2600 | | 55.00 120.00 | 60 140 | 90 91 | 4 | 60-20 35-23 | | 6½ 6½ | W 2 | | No | F | 13/4 25/8 | Yes | |
| | SE3601 | | 70.00 140.00 | 100 160 | 90 91 | 4 | 60-21 35-25 | | 6½ 6½ | 2 3 | | No No | F | 1¾ 2¾ | Yes | |
| | SEB670 SE2900 | | 100.00 80.00 | 100 100 | 90 91 | 4 | 40-23 30-21 | ľ | 6½ 6 x 9 | 2 2 3 2 | | No No | F | 13/4 21/2 | Yes | For marine use. |
| | SE3900 SE2901 | | 110.00 150.00 | 140 140 | 92 92 92 | 4 | 30-23 28-23 | | 6 x 9 6 x 9 | 3 | | No No | F | 2½ 2½ | | |
| | SE3901 SET170 | | 180.00 99.95 | 160 120 | 90 | 4 | 28-25 2k-25k | т | 6 x 9 | 3 | | No | F | 21/2 | | |
| | SET160 SEM470 | r I | 129.95 89.95 | 200 150 | 90 90 | 4 | 2k-25k 100-12 | T M M | | | | | C F | | Yes | |
| | SEM570 SEW5601 | | 80.00 100.00 | 150 150 | 89 90 | 4 | 50-6 40-6 | Wi | 61/2 | | | | F | 2 2¾ | Yes Yes | |
| | SEW5806 SEW5106 SEW5126 | 70.00 80.00 120.00 | | 300 375 450 | 92 93 95 | 4 4 4 | 30-3 25-3 20-3 | W W W | 8 | | | | F | 4 | Yes Yes | |
| CLIF DESIGNS | CD-1 | 120.00 | 99.00 | 50 | 91 | 4 | 5k-20k | Ť | 12 | | | | F | 51/4 | Yes Yes | |
| | CD-3 CD-5 CD-7 | | 109.00 129.00 | 50 50 | 91 91 | 4 | 5k-20k 5k-20k | T | | | A P | | S S | | Yes Yes | |
| | CD-9 | | 139.00 149.00 | 50 50 | 91 91 | 4 | 5k-20k 5k-20k | Ť | | | A/P P | | S F | | Yes Yes | |
| | CD-41 CD-43 | | 229.00 229.00 | 50 50 50 50 50 | 88.5 88.5 | 4 | 70-20 | | | | A | Yes Yes | S | | Yes Yes | |
| | CD-45 CD-47 | | 239.00 239.00 | 50 50 | 88.5 88.5 | 4 | 70-20 70-20 | | 4 | | P A/P | Yes Yes | S S | | Yes Yes | |
| | CD-49 CD-51 | | 249.00 289.00 | 50 75 75 75 75 75 80 | 88.5 90.4 | 4 | 70-20 65-20 | | 4 | | P | Yes Yes | FS | | Yes Yes | |
| | CD-53 CD-55 | | 289.00 299.00 | 75 75 | 90.4 90.4 | 4 | 65-20 65-20 | | 5 | | A P | Yes | S | | Yes Yes | |
| | CD-57 CD-59 | | 299.00 309.00 | 75 75 | 90.4 90.4 | 4 | 65-20 65-20 | | 5 5 | | A/P P | Yes Yes | S F | | Yes Yes | |
| | CD-61 CD-63 | | 329.00 329.00 | 80 | 92.6 92.6 | 4 | 55-20 55-20 | | | | A | Yes Yes | S | | Yes Yes | |
| | CD-65 CD-67 | | 339.00 339.00 | 80 80 | 92.6 92.6 | 4 | 55-20 55-20 | | | | P A/P | Yes Yes | S S | | Yes Yes | |
| | CD-69 CD-409 | | 349.00 249.00 | 80 50 | 92.6 88.5 | 4 | 55-20 70-20 | | 4 | | P | Yes No | F | | Yes Yes | |
| | CD-509 CD-609 | 70.00 | 279.00 299.00 | 75 80 | 90.4 92.6 | 4 | 65-20 55-20 | | 5 6½ | | P | No No | F | | Yes Yes | |
| | DVC-6 DVC-8 DVC-10 | 79.00 | | 75 100 | 86 91.7 | 4 | | S | 6 8 | | | | | | Yes Yes | Dual voice-coils. As above. |
| 00110710 | DVC-12 | 119.00 139.00 | | 150 200 | 93.7 85 | 4 | | \$ \$ | 10 12 | | | | | | Yes Yes | As above. As above. |
| COUSTIC | HS-93 HS-92 HS-90 | | 99.95 79.95 | 80 80 | 94 93 | 4 | $53-20 \pm 3$ 42-19 ± 3 | | 6 x 9 6 x 9 | 3 2 W | | No No | F | | Yes Yes | |
| | HS-50 HS-62 HS-60 | | 59.95 54.95 | 80 60 | 92 90 | 4 | 53.18 ± 3 66.18 ± 3 | | 6 x 9 6 ¹ /2 | 2 | | No | F | | Yes Yes | |
| | HS-50 HS-52 HS-50 | | 44.95 47.95 20.05 | 60 50 | 90 88 | 4 | 59-18 ± 3 59-18 ± 3 | | 6½ 5¼ | 2 | | No | F | | Yes Yes | |
| | HS-42 | | 39.95 39.95 32.95 | 50 40 | 88 88 | 4 | $61-18 \pm 3$ 77-18 ± 3 | | 51/4 | 2 2 | | No | F | | Yes | |
| | HS-40 HS-30 HT-601 | | 32.95 18.95 22.95 | 40 30 | 88 86 92 | 4 4 4 | 70-18 ± 3 134-15 ± 3 25 205 ± 2 | | 31/2 | W | | | F | 34 | Yes | |
| | HT-615 HT-612 | 214.95 129.95 | 32.95 | 40 400 300 | 92 95 95 | 4 | 2k-20k ±3 25-1 ±3 28-1.5 ±3 | S S | 15 12 | | | | F | 3/4 6 ⁷ /8 | Yes Yes | |
| | HT-610 HT-608 | 82.95 54.95 | | 200 150 | 95 93 92 | 4 | $28 \cdot 1.5 \pm 3$ $30 \cdot 2 \pm 3$ $35 \cdot 3 \pm 3$ | 5 5 5 | 10 | | | | F F F | 51/4 41/8 31/4 | Yes | |
| | HT-606 HT-605 | 34.93 | 69.95 59.95 | 60 50 | 92 92 90 | 4 | $35-3 \pm 3$ $55-10 \pm 3$ $65-12 \pm 3$ | ~ ₩ ₩ | 8 6 51⁄4 | | | | F | 31/4 21/2 21/2 11/8 | Yes Yes | |
| | HT-603 | | 49.95 32.95 | 50 50 30 | 90 90 89 | 4 | $90-12 \pm 3$ $90-12 \pm 3$ $130-16 \pm 3$ | M | 374 | | | | F | 2 /2 1 1/3 1 1/4 | Yes Yes Yes | |
| | HT-602 HT-600 | | 37.95 | 15 15 | 92 92 | 4 | 3k-25k ± 3 3k-25k ± 3 | Ť | | | P | | S F | 5/8 | Yes | |
| | HT-623 | | 67.95 | 30 | 89 | Ă. | 130-25 ± 3 | | 4 x 6 | 2 | | | s | | Yes | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | · | | | | | | | | | |



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Speakers

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|---------------|--|----------------------------|----------------------------|-----------------------------|--|-------------------|---|-------------|-------------------------|-------------|------|----------------|---|---|-------------------|--|
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| | **** | 2.0 2.0 | 2000 | 2010 | 912 - C. | and a second | becanic, | ŝ. | | | | | La la | | New W | toolles. |
| MANUFACTURER | <u> </u> | 120 | <u> </u> | 4 | */ 4 | §/4 | a 150.34 | /3 | | <u> </u> | */ * | ×/ 4 | ×/ * | 3/4 | | ·/ ···· |
| CRAIG | SG101 SG110 SG120 | | 30.00 30.00 40.00 | 25 30 50 25 100 | 90 90 91 | 4 | 100-18 110-16 70-21 | | 31/2 | W | P | M- | F | 13/8 11/4 | | |
| | SG210 SP530 | | 30.00 | 25 100 | 90 91 | 4 4 4 | 80-16 | | 5 | 2 W 3 | P | No No | F F S | 13/4 | | Box enclosure. |
| | SG310 SG320 SG410 | | 40.00 60.00 40.00 | 40 80 50 | 90 91 | 4 | 50-16 40-22 40-16 | | 6½ 6½ | W 2 | P | No | F | 1 ⁷ /8 2 ¹ /8 | | |
| | SG420 SG430 | | 50.00 60.00 | 70 80 | 90 91 91 | 4 | 40-20 | | 6 x 9 6 x 9 6 x 9 | 2 3 | P | No No | F | 3 ¹ /4 3 ¹ /2 3 ¹ /2 | | |
| CRUNCH | ISD-66 | 300.00 | | 150 | 90 | 4 | 42-400 Hz ± 3 | S | (2)61/2 | | | | s | | Yes | Compound tube enclosure; Q83 alignment. |
| | ISD-88 ISD-1010 | 340.00 | | 250 | 90 91 | 4 | 38-200 Hz ± 3 32-150 Hz | s s | (2)8 | ľ | | | s s | | Yes | As above. |
| | CTS6 | 400.00 | 300.00 | 120 | 91 | 4 | ± 3 45-1 ± 3 | s | 61/2 | | | | s | | Yes | As above. Tube enclosure. |
| | CTS8 CTS10 SD620 | | 400.00 500.00 249.00 | 150 200 100 | 92 92 92 | 4 4 4 | 40-1 ± 3 35-1 ± 3 45-25 ± 3 | S S | 8 10 6 | 2 | | No | S | | Yes Yes Yes | As above. As above. |
| | SD3200 SD2200 | | 380.00 329.00 | 160 | 94 93 | 4 | 35-25 ± 3 45-25 ± 3 | | 10 | 22 | Â | No No | S | | Yes Yes | |
| | SD4200 SD3210 CR7100 | 469.00 | 440.00 370.00 | 165 160 220 | 92 92 94 93 94 93 94 94 94 94 | 4 | $30-25 \pm 3$ 28-25 ± 3 | | 12 10 12 | 2222223 | Å | No No No | 555555555555555555555555555555555555555 | | Yes Yes Yes | |
| | CR6100 CR1530 | 399.00 600.00 | | 175 300 | 94 96 | 4 4 4 | 30-25 ± 3 | | 10 (2)15 | 23 | Â | No No | S | | Yes | Rear-ported enclosure for corner |
| | SD7300 CR210 | 550.00 450.00 | | 220 200 | 95 93 | 4 | 28-25 ± 3 35-2 ± 3 | s | 12 | 3 | A | No | S S | | Yes Yes | loading; biamp capable. |
| | CR212 CR5MB | 499.00 | 150.00 | 250 120 | 95 93 94 92 96 95 | 4 | 28-2 ± 3 100-5 ± 3 | S S M | (2)10 (2)12 | | | | S F | 23/4 | Yes Yes | |
| | CRT52 CF7300 CR1530SB | 359.00 | 69.00 650.00 | 60 175 250 | 96 95 96 | 4 4 4 | 3k-25k ± 3 25-20 ± 3 20-20 ± 3 | ' | 12 15 | 3 | P | No | C P S | 1⁄4 8 | Yes | For Camaros and Firebirds. Separate luned-port enclosure for each |
| | CR1830SB CR1PRD | | 759.00 199.00 | 275 | 97 94 | 4 | 20-20 ± 3 3.5k-20k | , | 18 | 3 | | No | s | | Yes | channel. As above. |
| | CR12PRD | 250.00 | 199.00 | 300 | 04 | 4 | ± 3 32-1 ± 3 | s | 12 | | A . | | C F | 5 | Yes | |
| | CR15PRD CR18PRD CR10WTP | 300.00 450.00 150.00 | | 400 500 200 | 95 96 93 94 | 4 4 4 | 27-1 ± 3 24-1 ± 3 34-1 ± 3 | S S S | 15 15 10 | | | | F | 6 7 4 | Yes Yes | |
| | CR12WTP CR15WTP | 175.00 225.00 | | 250 300 | 95 | 4 | $30-1 \pm 3$ 28-1 ± 3 | SSS | 10 | | | | F F F | 43⁄4 53⁄4 | Yes Yes Yes | |
| | CR8WTP CR6WTP | 90.00 75.00 | | 120 100 | 92 91 | 4 | $\begin{array}{r} 40-3 \pm 3 \\ 45-4.5 \pm 3 \end{array}$ | S | 8 | | | | F | 3 ¹ /4 3 | Yes Yes | |
| CRYSTAL CLEAR | UES-44 UES-45 UES-46 | 37.00 60.00 75.00 | 74.00 120.00 150.00 | 120 175 200 | 91 94 95 | 8 8 8 | 55-3.0 32-4.0 25-3.0 | W W | 6½ 8 10 | | | | F F F F | 3 4 ¹ /2 4 ³ /4 | | For sealed enclosure. As above. As above. |
| | UES-47 UES-48 | 95.00 115.00 | 190.00 230.00 | 250 300 | 95 95 | 8 | 25-3.0 20-2.5 | Ŵ | 12 15 | | | | F | 5 ¹ /2 6 ¹ /2 | | As above. As above. |
| DENDN | DCS-352 DCS-461P DCS-462U | | 80.00 115.00 115.00 | 30 60 60 | 90 91 91 | 4 | 90-20 ± 3 55-21 ± 3 55-21 ± 3 | | 3½ 4 x 6 | 222 | | No No | F | 1 ¹ /8 1 ³ /4 1 ⁷ /8 | Yes | Fits factory cutouts of European cars. |
| | DCS-402 DCS-501 | | 120.00 140.00 | 45 60 | 91 91 | 4 | $55-21 \pm 3$ 55-21 ± 3 50-21 ± 3 | | 4 x 6 4 51/4 | 222 | | NO No No | F | 1 ¹ /4 1 ¹ /8 | Yes Yes Yes | |
| | DCS-651 DCS-692 DCS-802W | 100.00 | 170.00 260.00 | 100 150 250 | 92 92 92 | 4 4 4 | 40-21 ±3 35-21 ±3 30-3 ±3 | s | 6½ 6 x 9 8 | 2 3 | | No No | F | 2 ¹ /4 4 3 ³ /4 | Yes | Manuala da das da su ser ad su d |
| | DCS-1001W DCS-1201W | 125.00 | | 350 350 | 92 93 | 4 | 25-2 ± 3 20-2 ± 3 | S | 10 12 | | | | F F | 374 41/4 53/8 | Yes Yes Yes | Mounts to front or rear of panel. As above. As above. |
| DYNA DRIVE | UES-3 UES-7 UES-28 | 39.00 45.00 | 78.00 | 100 140 | 94 94 | 8 | 30-3.6 28-3.0 | W | 8 10 | | | | F | 3 ¹ /2 5 | | For sealed enclosure. As above. |
| EARTHQUAKE | UES-38 UES-49 EQ-69 | 65.00 89.00 90.00 | 130.00 178.00 | 140 300 | 94 96 | 8 | 28-3.0 23-3.0 | W | 12 12 | | | | F | 5 ¹ /2 6 | - | As above. As above. |
| SOUND | EQ-6 EQ-8 | 89.00 109.00 | | 120 100 180 | 91 91 94 | 4/8 4/8 4/8 | 50-2.5 40-2.5 30-1.5 | ₩ S S | 6 x 9 6 8 | | | | F F | 4½ 4¾ 4¾ | NO NO NO | |
| | EQ-10 EQ-12 | 130.00 150.00 | | 180 180 | 96 97 | 4/8 4/8 | 20-1.5 20-1.5 | ~~~~ | 10 12 | | | | F F F | 5 | No No | With dual 4-ohm voice-coils, \$175.00 |
| | EQ-15 EQ-1065 | 175.00 100.00 | | 300 240 | 98 97 | 4/8 4/8 | 18-800 Hz 19-1.5 | S S | 15 10 | 2 | | | F | 5½ 5½ | No No | each. As above but \$200.00 each. |
| | EQ-1265 EQ-12 Cast Foam EQ-12 Cast XLT | 110.00 199.00 259.00 | | 260 300 320 | 98 98 99 | 4/8 4/8 | 18-1.5 20-1.5 | ~~~~ | 12 12 | | | | F F | 5½ 6½ | No No | Cast basket. |
| | EQ-12 Cast PRD | 290.00 | | 400 | 99 | 4/8 4/8 | 20-1.5 18-1.5 | 5 | 12 12 | | | | r F | 6 ³ ⁄4 | No No | As above; extra long throw; bumped backplate. Cast basket; reinforced cone |
| | Double Spider EQ-15 Cast Foam EQ-15 Cast XLT | 250.00 290.00 | | 360 400 | 99 99 | 4/8 4/8 | 20-1.5 20-1.5 | SS | 15 15 | | | | F | 6¾ | No | suspension (double spiders). Cast basket. |
| | EQ-15 Cast PRD | 325.00 | | 500 | 88 | 4/8 | 20-1.5 18-1.5 | 5 5 | 15 15 | | | | F F | 6¾ 7 | No No | As above; extra long throw; bumped backplate. Cast basket; reinforced cone |
| | Double Spider EQ-18 Cast Cloth EQ-1048 Bulk | 399.00 85.00 | | 360 140 | 102 96 | 4/8 4/8 | 18-1.5 20-1.5 | S | 18 10 | | | | F | 7 | No | suspension (double spiders). |
| (Cooline 4) | EQ-1248 Bulk TW-102 | 120.00 60.00 | | 160 80 | 97 101 | 4/8 8 4 | 20-1.5 5k-22k | S 5 T | 12 | | A/P | | F | 4½ 4½ 1¼ | No No No | Titanium version, \$75.00 each. |
| (Continued) | TW-103 SMT | | 130.00 | 50 | 100 | 4 | 5k-24k | Т | | | A | | S | | No | |

SPEAKERS DRIVERS

| | | | | | / | 40 ⁴ | Wall I Me | / | | | / | / / | | in the second | Count (C) | D Lann |
|------------------------------------|--|--|--|---|--|---|--|--|--|----------------------------|--|----------------------------|--|---|--|--|
| | | / | Price S (III'S S | In Pairs) | Sens Channey Patim | un. 55 80 Anning | Fernance, Ohns (1) W | as Bp ≥ | A CANANA A C | Marches Marches | (1) and a state of the state of | Seal in the second second | Times Moundable | Manual () Sumace | Koass Reverse A. | holes |
| ANUFACTURER | Moder | Price S | Price S | Recom | Sem | | Leguence Leguence | - Contraction | AND NOT | | | | all and a second | | Weat. | Moles |
| EARTHQUAKE SOUND (Continued) | TW-104 SME TW-105 SMR MD-4 MD-5 XL-4 XL-5 MD-5 Cast MD-5 Cast MD-6 Cast PL-46 MD-5 Open | 39.00 45.00 40.00 60.00 70.00 99.00 80.00 50.00 | 70.00 75.00 | 30 30 80 80 80 100 80 80 40 60 | 99 99 100 101 101 101 91 94 94 94 96 | 4 8 8 4 4 8 8 8 4 | 5k-21k 5k-21k 600-7 400-7 300-7 300-7 200-6 50-5 400-20 300-5 | T T M M M M M | | 2 | A T | No | 8 8 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 21/4 21/2 3 31/4 23/4 23/4 21/4 21/4 23/4 | NO NO NO NO NO NO NO NO NO | tincludes flat and angled mounts. Sealed-back midrange. As above. Midrange and tweeter. |
| ECLIPSE | ESG-4000 ESG-6950 ESG-5000 ESG-5000 ESG-6000 ESG-8000 ESG-8000 | 159.95 | 129.95 279.95 109.95 109.95 119.95 199.95 | 30 70 60 90 150 200 13 | | 4 4 4 4 4 | 50-25 30-28 2k-23k 100-12 45-3 25-5 | T M W S | 4 6 x 9 6 ¹ /2 8 3 | 23 | | | F F, S F F T | 13/4 31/5 7/8 15/8 21/8 33/8 | No No No No No | Ambient center-channel speaker for use with EQS-1000 or EQS-1001 digi- tal sound processor (see "Amps"). †Mounts on rear-view mirror. |
| EXCALIBUR | EX-6913 PP-6923 EX-4102 EX-501 EX-502 EX-502 EX-401 EX-401 EX-401 EX-401 EX-401 EX-401 EX-401 EX-3001 EX-3001 EX-3001 EX-3001 EX-3001 EX-201 PP-621 PP-621 PP-1221 PP-1221 TW-1 TW-4 | 39.95 59.95 79.95 99.95 39.95 39.95 39.95 | 39.95 49.95 29.95 39.95 59.95 59.95 59.95 59.95 59.95 59.95 59.95 59.95 59.95 59.95 59.95 59.95 | 150 150 100 80 100 100 60 80 80 50 100 150 150 150 150 150 150 | | ************ | | M W W T T | 6 x 9 6 x 9 4 x 10 5 ¹ / ₄ 5 ¹ / ₄ 5 ¹ / ₄ 4 4 4 x 6 3 ¹ / ₂ (2) 3 (2) 4 8 10 12 | 332¥222¥22¥ | | | | 134 134 134 134 134 134 134 134 17/2 | Yes Yes Yes Yes Yes Yes Yes | |
| EXXESS Electronixx | EX-48 EX-410 EX-412 EX-415 EX-415 EX-418 | 28.75 36.80 43.70 48.30 94.30 | | 180 220 280 340 420 | 92 93 96 98 98 | 4 4 4 4 | 20-1 ± 3 15-1 ± 3 10-1 ± 3 10-1 ± 3 10-1 ± 3 | \$ \$ \$ \$ \$ | 8 10 12 15 18 | | | | F, S F, S F, S F, S | | Yes Yes Yes Yes Yes | |
| FAS | CS369F PS693 PS692 PS62 PS6 PS6 PS4 | | 169.95 99.95 89.95 69.95 49.95 49.95 | 90 60 50 60 20 20 | 93 | 4 4 4 4 4 | 50-25 60-20 60-20 | | 6 x 9 6 x 9 6 x 9 6 4 | 3 3 2 2 W W | | No No No No | F F F F | 3 2 ⁷ /8 2 1 ³ /4 1 ¹ /2 | No No No No No | |
| FOCAL | T90K 5K013L | 60.00 130.00 | | 30 50 | 91 90 | 6 | 2.5k-20k 50-5 | TW | 51⁄4 | | | | F | 1 23⁄4 | Yes Yes | |
| FULTROM | 15-9793 15-9762 15-9762 15-9746 15-9746 15-9550 15-8550 15-8550 15-8250 15-8250 15-8210 15-9012 15-9012 15-9012 15-9012 15-9108 15-9112 15-9112 | 79.95 54.95 49.95 54.95 54.95 54.95 79.95 99.95 119.95 | 89.95 74.95 55.95 55.95 59.95 40.00 69.95 54.95 54.95 29.95 29.95 | 120 100 60 60 140 140 60 80 80 80 80 80 80 200 100 140 140 140 | 88 86 85 85 85 86 88 95 88 86 90 90 88 90 90 88 90 90 88 90 90 88 90 90 88 90 90 88 90 90 88 90 90 88 95 93 93 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 8 4/8 4/8 4/ | $\begin{array}{c} \textbf{30-20}\\ \textbf{50-20}\\ \textbf{50-20}\\ \textbf{50-20}\\ \textbf{80-20}\\ \textbf{30-20}\\ \textbf{30-20}\\$ | ************************************** | 6 x 9 61/2 51/2 51/4 4 61/2 15 12 10 12 8 10 12 12 15 | 33222 | | No No No No No | | 3 ¹ / ₂ 3 ²⁵ / ₈ 2 ¹ / ₈ 2 ¹ / ₈ 2 ¹ / ₈ 2 ¹ / ₄ 2 2 6 ¹ / ₂ 5 4 ¹ / ₂ 4 ³ / ₈ | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Dual voice-coils. |
| GEMINI | RW-10 RW-20 RW-40 RW-50 | 304.00 380.00 493.00 | 350.00 | 150 150 200 300 | 97 95 99 95 | 4 4 4 | 60-22 45-22 40-20 60-20 | | 10 10 12 15 | 3335 | P P A A | No No No | S S S | | No No No | Box enclosure. As above. As above. As above. |
| GÖLD SOUND | GS1284 GS1244SVC | 199.00 109.00 | | 300 200 | 95 92 | 4 | 22-2 22-500 Hz | S S | 12 12 | | | | F | 51/4 53/8 | Yes Yes | Requires enclosure of 1 cubic foot; vented pole-piece. As above; 8-ohm version available; with dual 4- or 8-ohm voice-coils. \$119.00 each. Requires enclosure of 0.7 cubic foot: |
| | GS844 GS1044 GS824 GS821-4 | 98.00 109.00 79.00 74.00 | | 200 200 100 100 | 92 92 91 91 | 4 | 28-2 25-1 ± 3 32-2 ± 3 32-2 ± 3 | S S S | 8 10 8 8 | | | | F F F | 334 41/4 351 351 | Yes Yes Yes Yes | Requires enclosure of 0.7 cubic foot; vented pole-piece; 8-ohm version available. As above; dual voice-coils. As above; mean of 0.7 cubic foot; Requires enclosure of 0.7 cubic foot; |

Speakers

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| | | | | | Watter Changed Max. | 00me | Wall Moler | | | | / | / / | - Carlor Assessed | | Man (1) and (2) | tollar |
| | | | Price 5 | / _ | | unui, | Trequence Dines | <u>_</u> | and the second s | | • / | ./. | • | 40 | | |
| | | / | loiviou, | Sile | Ced No | è / 4 | - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 | 100 × | | inc. | | | Nounie. | | | 1000 m |
| | Manual | 100 | 2010 | Record in Pairs | transition of the second | ilinii) | Frequence Ohns (1) | ar' | | AND COLORIDA | | | , ile | Communication (C) Sun | and the second | It and the second second |
| MANUFACTURER | * °° | | | - A | × . | | and is it | 33 | | | ~/ \$ | 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - | * / :* | | i 3 | Maller |
| GDLD SOUND (Continued) | GS6x9W | 69.00 | | 100 | 91 | 4 | 40-3 ± 3 | S | 6 x 9 | | | | F | 35/8 | Yes | Requires enclosure of 0.7 cubic foot; vented pole-piece. |
| | GS512-4 GS405-4 | 39.00 36.00 | | 50 40 | 90 90 | 4 | 70-5 ± 3 | M | | | | | F | 2 ¹ /2 | Yes | Vented pole-piece; 8-ohm version available. |
| | GS624 | 69.00 | | 100 | 92 | 4 | 35-3 ± 3 | S | 61/2 | | | | F | 31/2 | Yes | As above, As above; requires enclosure of 0.5 cubic feet. |
| | GS612-4 GS524 | 49.00 59.00 | | 60 100 | 90 89 | 4 | $ \begin{array}{r} 38-4 \pm 3 \\ 60-4 \pm 3 \end{array} $ | S | 6 ¹ /2 5 ¹ /4 | | | | F | 3 23/4 | Yes Yes | As above. Vented pole-piece; 8-ohm version |
| | GSBAC-4 | | 199.00 | 100 | 92 | 4 | 32-20 ± 3 | | 8 | 2 | | No | F | 3¾ | Yes | available. Blamp capable; 8-ohm version available. |
| | GS8C-4 GS69AC GS69C | | 139.00 199.00 139.00 | 60 100 60 | 92 92 92 92 | 4 | 36-20 ± 3 40-20 ± 3 45-20 ± 3 | | 8 6 x 9 6 x 9 | 222 | | No No No | FF | 31/2 33/4 | Yes Yes Yes | As above. Blamp capable. As above. |
| | GS6.5AC GS6.5C | | 189.00 129.00 | 100 60 | 92 | 4 | 35-20 ± 3 38-20 ± 3 | | 6½ 6½ | 22 | | | F | 3 ¹ /2 3 ¹ /2 3 | Yes | As above. As above. As above. |
| | GS5x7C GS5AC | | 138.00 169.00 | 40 | 92 92 | 4 | $68-25 \pm 3$ $65-25 \pm 3$ | | 5 x 7 51⁄4 | 2 | | | F | 23/4 | Yes | As above; for Ford, Chrysler, Audi, Porsche, and VW vehicles. |
| | GS5C GS4x10C | | 119.00 139.00 | 50 40 | 92 | 4 | 70-25 58-25 ± 3 | | 51⁄4 4 x 10 | | | | F | 2 ³ /4 2 ¹ /2 2 ³ /4 | Yes Yes Yes | Biamp capable. As above. As above; for GM and Ford vehicles. |
| | GS4x6C GS4SC | | 139.00 109.00 | 30 30 | 90 90 | 4 | $58-25 \pm 3$ 98-25 ± 3 | | 4 x 6 | 2 | | No | F | 23/8 | Yes | For GM, VW, BMW, and Porsche vehicles. |
| HAFLER | MAS 10 MAS 5 | - | 135.00 | 75 75 | 91 89 | 4 | 4k-20k ±3 8k-20k ±3 | Ţ | - | - | | No | r S C | 13/4 | Yes | includes crossover. |
| | MAS 35 MAS 460 | | 119.00 199.00 | 100 | 88 88 | 4 | 200-20 ± 3 200-20 ± 3 | ' | 31/2 31/2 | 2 | | No No | F | 1 2 2 | Yes Yes Yes | Fits 3½-inch or 4 x 6-inch holes, |
| | MAS 51 MAS 55 MAS 510 | | 260.00 260.00 275.00 | 100 100 100 | 88 88 89 | 4 | 100-20 ± 3 100-20 ± 3 100-20 ± 3 | | 5¼ 5¼ 5¼ | 2 | | Yes No | F | 21/4 33/4 | Yes Yes | |
| | MAS 520 MAS 60 | | 325.00 125.00 | 100 | 88 88 | 4 | 100-20 ± 3 60-4 ± 3 | | 51/4 51/2 | 222 | | NO NO NO | P P F | 23/4 23/4 23/4 | Yes Yes Yes | Fits 5¼-inch or 6 x 9-inch holes. As above. |
| | MAS 80 MAS 88 MAS 100 | | 200.00 200.00 250.00 | 150 150 150 | 89 89 89 | 4 8 4 | $40-2 \pm 3$ $40-2 \pm 3$ 28.1 ± 3 | S | 8 8 | _ | | | F | 33/4 33/4 | Yes Yes | |
| | MAS 108 ML124X2 | 150.00 | 250.00 | 150 200 | 89 90 | 8 | 28-1 ±3 28-1 ±3 24-2 ±3 | S S S | 10 10 12 | | - | | FFFF | 43⁄4 43⁄4 5 | Yes Yes Yes | Dual voice-colts. |
| | ML84X2 ML104X2 | 120.00 135.00 | | 200 200 | 89 90 | 4 | $30-3 \pm 3$ 27-2.5 ± 3 | S S | 8 10 | | | | F F | 4 43/8 | Yes Yes | As above. As above. |
| HART | MS1000-18 MS1000-15 | 750.00 575.00 | | 1k 1k | 97 97 | 4/8 | 16-1.25 ±3 20-3 ±3 | S S | 18 15 | | | | F | 6% | No | |
| | MS1000-12 SW10000 | 475.00 160.00 | | 1k 100 | 96.5 91 | 4/8 | 24-3 ± 3 16-750 Hz | S | 12 10 | | | | F | 5 4½ 4¼ | No No Yes | |
| | SW8000 | 130.00 | | 150 | 93 | 8 | ± 3.5 16-1.5 ± 3.5 | s | 8 | | | | F | 31/8 | Yes | |
| | SW6500 SW6200 EMT4500 | 110.00 85.00 | 135.00 | 150 100 | 91 92 93.5 | 8 | 40-1.2 ± 3 50-3.5 ± 3 | W | 6 6 | | | | F | 3 21/8 | Yes Yes | |
| | CMT3500 | | 75.00 | 75 50 | 95 | 8 | 100-8.5 ±5 1k-18k ±3 | M | | | | | F | 11/8 11/2 | Yes No | |
| | PRD2000 ST1000 + | | 55.00 65.00 | 30 20 | 92 92 | 8 | 1.5k-20k ± 3 10k-26k | T | | | | | F | 11/8 | No | |
| | ND-250 | | 05.00 110.00 | 40 | 92 | 8 | 10K-26K ±3 3.5k-23k | T T | | | ٨P | | S F, S | | Yes | includes crossover. |
| | PR-106 PR-108 | 48.00 50.00 | | 85 85 | 88 90 | 4 | ±3 45-6.5 ±3 40-6 ±3 | w | 6 | | | | F | 2 ⁷ /8 3 ¹ /4 | Yes | |
| | PR-110 PR-112 | 75.00 100.00 | | 100 100 | 93 | 6 | 35-4 30-4 | W | 6 10 12 12 | | | | F F F | 31/4 41/2 5 | Yes Yes | |
| HECO | SR12-100 CAC130 | 185.00 | 320.00 | 250 50 | 100 89 | 8 | $27-1.8 \pm 3$ 50-32 ± 3 | S | 12 (2)5 ¹ ⁄4 | 2 | P | Yes | F † | 17/8 | Yes Yes | †Flush-mount woofer, convertible |
| | CAC160 CAC200 | | 340.00 400.00 | 60 60 | 89 | 4 | 45-32 ± 3 40-32 ± 3 | | (2)6 ¹ /2 | 2 | P | Yes | I | 21/8 13/4 | Yes | tweeter. |
| | CAC220 CPT100 | | 350.00 140.00 | 100 40 | 89 92 89 | 4 | 30-2 ± 3 40-2.8 ± 3 | S W | (2)8½ 4 | | | Yes | F | 31/8 13/4 | Yes Yes Yes | Includes crossover. |
| | CAX160G CAX130G | | 220.00 200.00 | 50 50 | 89 89 | 4 | 45-25 ± 3 50-25 ± 3 | | 6½ 5¼ | 2 | | No No | F | 25/8 25/8 | Yes | Without grille, Model CAX130, |
| | CAD100G CAS100 | | 90.00 450.00 | 40 50 | 89 87 | 4 | 70-25 ± 3 80-32 ± 3 | | 4 | W 2 | | No | FS | 11/18 | No Yes | \$190.00 per pair. Box enciosure. |
| | CAB100 CPT230A CPT260A | 125.00 | 300.00 | 40 160 180 | 89 94 94 | 4 8 8 | 70-32 ±3 27-4 ±3 22-3 ±3 | S | 4 9 10¼ | 2 | | No | P F F | 11/2 | Yes Yes Yes | |
| HIFONICS | HT2 HT3 | 40.00 55.00 | | 80 100 | 88 89 | 4 | 12k-25k 11k-25k | T | | | | | F | 7/1 11/2 | 102 | |
| | NT1 | 55.00 | | 100 | 92 | 8 | 17k-25k | Ť | | | | | F | 5%8 | | Surface-mount adaptor, \$7.00 each; with mounting flange, Model NT2, |
| | NT3 MR1 | 60.00 65.00 | | 100 70 | 92 88 | 8 | 17k-22k 650-1 | TM | | | P | | SF | 7/1 | | \$58.00 sach. |
| | MR2 MR3 Ol064/068 | 75.00 55.00 | | 100 80 | 88 89 | 4 | 500-12 90-13 | M M W W | 5 | | | | FF | 1 21/1 | | |
| (Continued) | OL084/088 OL084/088 OL104/108 | 55.00 65.00 95.00 | | 120 120 250 | 92 93 93 | 4/8 4/8 4/8 | 40-3 40-3 30-2 | 5 5 5 | 6 ¹ /2 8 10 | | | | न न न | 3 3 4¼ | | |
| 6 | | | | | | <u> </u> | | | | | _ | | | ~ /4 | | |



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- 130V/µsecond slew rate, DC servo coupled
- Dual-mono twin 1200VA toroid transformers
- 100,000mF computer grade capacitors
- Independent regulation of Mosfet drivers
- Matched complementary J-FET inputs
- 24 B-matched 60MHz, 15A output transistors
- Balanced XLR and gold unbalanced inputs
- Two pairs of 5-way terminals for bi-wiring

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| MANUFACTURER | Made | Price S | Price S | Second | Willew W | uninsus | requence | - | Marine . | er ler | 2 10 100 | and the second | Palale . | Convertion | Linnin | soller, Moles |
| HIFDNICS | DL124/128 | 100.00 | | 1 200 | 1 93 | 4/8 | 25-1 | s | 12 | 1 | 1 | 1 | F | 5 | $\left(- \right)$ | |
| (Continued) | DL154/158 WP064/068 WP084/088 WP104 | 125.00 65.00 70.00 | | 275 150 150 | 93 92 93 | 4/8 4/8 4/8 | 20-800 Hz 40-3 40-3 | 5555 | 15 6 8 | | | | F F F | 6 3 3 | | |
| | WP1028D WP124 | 125.00 130.00 130.00 | | 275 300 300 | 94 90 93 | 4 | 30-2 30-1 25-1 | ~~~~~~ | 10 10 12 | | | | F | 43/8 43/8 51/4 | | †Dual 4-ohm voice-coils. |
| | WP1228D WP154 WP1528D | 135.00 158.00 158.00 | | 300 300 300 | 90 93 91 | | 25-1 20-800 Hz 20-800 Hz | S | 12 15 15 | | | | F F F | 51/4 61/8 61/8 | | |
| HOLLYWODD SOUND LABS | WP184 RSK-0041 | 210.00 | 250.00 | 400 80 | 96 92 | 4 | 20-800 Hz 100-20 | s | 18 | 2 | A | Yes | F t | 73/8 21/4 | | †Flush-mount midrange, surface- |
| | RSK-0051 RSK-0851 | | 280.00 515.00 | 80 250 | 92 90 | 4 | 85-20 35-20 | | 5 ¹ /4 (2)8 | 23 | Â | Yes Yes | ‡ | 21/2 31/8 | | mount tweeter. t+Flush-mount woofers and midrange, |
| | RSK-1051 RSK-1251 | | 585.00 625.00 | 300 300 | 90 90 | 4 | 25-20 20-20 | | (2)10 (2)12 | 33 | \$ | Yes Yes | # | 31/2 41/2 | | surface-mount tweeter. |
| HOT BOX | 6TL 6TL-B 8TL-S | | 189.90 129.90 229.90 | 75 60 100 | 94 92 96 | 4 4 4 | 34-22 34-2 29-22 | w | 6 6 8 | 3 | | Yes Yes | | | No No No | Enclosure. As above. As above. |
| | 8TL-SB 8TL-L 10TL-LB | | 149.90 249.90 199.90 | 75 100 120 | 94 97 97 | 4 4 4 | 25-2 25-22 21-2 | WS | 8 8 10 | 3 | | Yes Yes Yes | | | N O No | As above. As above. |
| | 10TL-S 10TL-SB 10TL-L | | 269.90 189.90 279.90 | 150 | 97 | 4 4 | 24-22 24-2 | s | 10 10 | 3 | | Yes Yes | | | No No No | As above. As above. As above. |
| | 12TL 12TL-8 | | 299.90 229.90 | 150 175 150 | 98 98 97 | 4 | 21-22 18-22 18-2 | s | 10 12 12 | 3 | | Yes Yes Yes | | | NO NO NO | As above. As above. As above. |
| | 8HL 8HL-B 10HL | 249.90 169.90 289.90 | | 100 75 150 | 96 94 97 | 4 4 4 | 25-22 25-2 22-22 | s | 8 8 10 | 3 | | Yes Yes Yes | | | NO NO NO | As above. As above. As above. |
| | 10HL-B 12HL 12HL-B | 209.90 319.90 219.90 | | 130 150 130 | 96 98 97 | 4 4 4 | 20-2 20-22 18-2 | S | 10 12 12 | 3 | | Yes Yes Yes | | | No No | As above. As above. As above. |
| IMPACT | M-108.2 M-110.2 M-112.2 | | 249.95 299.95 399.95 | 150 250 300 | 95 95 | 4 4 4 | $\begin{array}{r} 40-20 \pm 3 \\ 37-20 \pm 3 \\ 34-20 \pm 3 \end{array}$ | | 8 10 | 22 | | No No | s | | | Wedge enclosure; for mini trucks. As above. |
| | M-508.2 M-510.2 | 299.95 349.95 | 399.93 | 150 250 | 94 95 95 | 4 | 37-20 ± 3 30-20 ± 3 | | 12 8 10 | 222 | | NO NO NO | S S | | | Wedge enclosure; for medium trucks. For hatchbacks. As above. |
| | M-512.2 SCM-8.2 SCM-10.2 | 419.95 | 309.95 359.95 | 300 150 250 | 95 94 95 95 94 95 95 95 95 | 4 4 4 | $\begin{array}{r} 30-20 \pm 3 \\ 40-20 \pm 3 \\ 30-20 \pm 3 \end{array}$ | | 12 8 10 | 2222 | -56 | NO NO NO | S S S | | NO NO NO | As above. Enclosure. As above. |
| | BB-208 BB-210 | 219.95 269.95 | | 150 250 | 95 95 | 4 | 42-500 Hz ± 3 30-500 Hz | S | 8 | | | | S S | | No No | |
| | BB-212 BB-215 | 319.95 419.95 | | 300 500 | 95 95 | 4 | ±3 30-500 Hz 20-400 Hz | S | 12 15 | | | | s | | No | As above. As above. |
| | BB-A8 BB-A10 | 309.95 369.95 | | 100 Inc. 100 | 92 92 | 4 | 30-500 Hz 25-500 Hz | S | 8 | | | | S | | No | Powered mono subwoofer; includes crossover; wedge enclosure; for trucks. |
| | BB-A12 | 429.95 | | Inc. 100 Inc. | 92 | 4 | 20-500 Hz | s | 12 | | | | s | | No | Powered mono subwoofer; includes crossover; for trunks and hatchbacks. As above. |
| | BB-A15 BB-T208 | 499.95 259.95 | | 100 Inc. | 92 | 4 | 20-400 Hz | s | 15 | | | | S | | No | As above. |
| | BB-T210 | 329.95 | | 200 | 92 92 | 2 | 40-116 Hz ± 3 37-113 Hz | s | (2)8 (2)10 | - | | | S S | | No No | Bandpass enclosure; for trucks. As above. |
| | BB-T212 | 399.95 | | 350 | 92 | 2 | ±3 32-104 Hz ±3 | s | (2)12 | | | | s | | No | As above. |
| | MD2-8.4 MD2-10.4 | 80.00 | | 75 | 92 92 | 4 | 20-2.5 | w | 8 10 | | - | | E E | 3 ³ /8 | | For enclosure of 0.25 to 0.5 cubic foot; 8-ohm version available. As above but 0.5 to 1 cubic foot. |
| | MD2-12.4 MD2-15.4 MFC-8.4 | 120.00 160.00 100.00 | | 150 200 200 | 92 92 92 | 4 | 20-2.5 20-2.5 20-2 20-2.5 | W | 12 15 8 | | | | FF | 5 6 3 ³ /8 | No | As above but 0.75 to 1.5 cubic teet. As above but 1.5 to 2.5 cubic teet. As above but 0.25 to 0.5 cubic foot. |
| | MFC-10.4 MFC-12.4 MFC-15.4 | 120.00 140.00 180.00 | | 300 400 | 92 92 | | 20-2.5 20-2.5 | **** | 10 12 | | | | F | 43/8 5 | NO NO NO | As above but 0.5 to 1 cubic foot. As above but 0.75 to 1.5 cubic feet. |
| | MFS-8.4 MFS-10.4 | 150.00 200.00 | | 500 150 250 | 92 91 91 | 4 | 20-2 40-1.5 37-1.5 | S S S | 15 8 10 | | 1.0 | | F F F | 6 4 5 | No No No | As above but 1.5 to 3 cubic teet. 8-ohm version available. As above. |
| INFINITY | MFS-12.4 KCS-65MB KCS-80IB | 250.00 79.00 110.00 | | 300 125 150 | 91 87 91 | 4 4 4 | 32-1.5 | WW | 12 6 ¹ /2 8 | | | | | 6 31/4 33/4 33/4 | No | As above. |
| | KCS-80BR KCS-100IB KCS-100BR | 110.00 140.00 140.00 | | 175 175 200 | 91 93 93 | 4 4 4 | | ₩ S S | 8 10 10 | | | | 4 4 4 | 3 ³ / ₄ 4 ³ / ₈ 4 ³ / ₈ | | For vented enclosures. |
| | KCS-120IB KCS-120BR 100-Kappa DIN | 170.00 | 109.95 | 200 250 70 | 94 94 88 | 4 4 | 75-20 | S | 12 12 | 2 | | No | F | 51/4 51/4 | | As above. |
| | 120-Kappa DIN 130-Kappa DIN 150-Kappa DIN | | 119.95 129.95 89.95 | 80 80 70 | 88 88 88 | | 65-20 60-20 | | 43/4 51/8 | ~~~~ | | No No Na | 444 | 13/8 13/4 21/4 | | DIN snap-in for European cars. As above. Four-tab mounting for European cars. |
| | 693-Kappa 63-Kappa | | 249.95 199.95 | 100 55 | 90 88 | 4 | 70-20 34-45 58-45 | | 5 ⁵ /8 x 3 ³ /8 6 x 9 6 ¹ /2 | 2 | | No | F F, S | 1 ⁷ /8 2 ⁷ /8 | Yes | As above. |
| (Continued) | 692-Kappa 62-Kappa | | 189.95 189.95 149.95 | 75 55 | 90 88 | 4 | 34-22 58-22 | | 6½ 6 x 9 6½ | 3 2 2 | | | F F F | 23/8 | Yes Yes Yes | |

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| | | - | Price S | ald in Pa | S Change | 80 Hini | Fequence Ohms | Y A | | 20-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | | Search and a second | eller Mo | And Contractions | Part Requir | holes - |
| MANUFACTURER | | A LICO | | Reco | | | | 1 | 10 A0 | | | | | | s so | Notes |
| INFINITY (Continued) | 52-Kappa 42-Kappa CS-1A Kappa CS-6 Kappa CS-5 Kappa CS-4 Kappa Kappa Polycell | | 144.95 99.95 439.95 279.95 249.95 229.95 125.00 | 30 25 200 120 100 90 40 | 88 87 89 90 88 88 88 94 | 4 4 4 4 4 4 | 63-22 98-16 34-45 58-22 85-22 100-22 3.5k-45k | т | 5 ¹ /4 4 6 x 9 6 5 ¹ /4 4 | 2 | *** | Yes Yes Yes Yes | FFF, F, F, F, F, F, F, F, F, F, F, F, F, | 11/8 17/8 23/8 21/4 15/8 | Yes Yes Yes Yes Yes Yes Yes | |
| | Emit-N Kappa | | 189.95 | 50 | 93 | 4 | ±3 3.5k-45k ±3 | T | | | | | s | | Yes | |
| | RSDS 12" Pro RSDS 12" RSDS 10" RSDS 8" RSDS 6½" RSDS Polycell | | 600.00 450.00 350.00 270.00 149.95 125.00 | 300 250 175 150 100 40 | 92 90 90 89 86 94 | 4 | $\begin{array}{c} 22-1.5 \pm 3\\ 26\cdot 1.5 \pm 3\\ 30\cdot 1.5 \pm 3\\ 35\cdot 1.5 \pm 3\\ 50\cdot 4\\ 3.9k\cdot 22k\\ \pm 3\end{array}$ | W W W W T | 12 12 10 8 6 ¹ /2 | | A | | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 5 ⁷ /8 5 ¹ /2 4 ¹ /2 4 ¹ /4 3 | Yes Yes Yes Yes Yes Yes | |
| | RSDS Emit-N RSDS Polydome | | 189.95 200.00 | 50 50 | 93 88 | 4 | ±3 3.5k-45k ±3 700-4 ±3 | т | | | Ρ | | S F. S | 3⁄4 | Yes Yes | |
| | RSDS 4A RSDS Polygraph | | 100.00 260.00 | 50 50 75 | 88 89 | 4 | 100-4.5 ±3 100-800 Hz ±3 | M M M | | | | | F, S F, S F, S | 11/2 | Yes | |
| | RS-6903 RS-6902 RS-602 RS-502 RS-402 RS-400 RS-500 RS-500 | | 199.95 159.95 119.95 119.95 89.95 199.95 219.95 229.95 | 90 80 50 30 25 60 | 93 93 92 91 91 89 89 89 | 4 | 40-22 40-20 60-20 70-20 80-16 90-20 ± 3 80-20 ± 3 60-20 ± 3 | | 6 x 9 6 x 9 5 ¹ / ₂ 5 ¹ / ₄ 4 5 ¹ / ₄ 6 | 3 3 2 W 2 2 2 | | Yes Yes Yes | F, S F, S F, S F, S F | 2 ⁷ /1 2 ⁷ /1 2 ¹ /1 1 ⁷ /1 1 ⁵ /1 | Yes Yes Yes Yes Yes | |
| 101 | 462-K 32-K | 479.00 | 54.95 49.95 | 25 18 1k | 86 86 95 | 4 | 98-16 112-16 20-300 Hz | S | 4 x 6 3 ¹ /2 18 | W | | | F F F, S | 13/4 15/8 67/8 | Yes Yes Yes | For enclosure of 3.5 cubic teet; Venturi |
| JBL | 1800GTi 1500GTi 1200GTi GT152 GT122 GT102 GT82 T120 T100 T104 T104 T84 T06 | 479.00 349.00 299.00 119.00 99.00 89.00 69.00 259.00 159.00 159.00 119.00 | 129.00 | 1k 1k 300 280 260 200 300 200 300 250 150 | 94 93 97 95 94 93 91 91 91 91 91 91 | | 20-300 Hz 20-300 Hz 25-3 30-3.5 35-5 40-1.2 35-2.5 35-2.5 35-2.5 40-3 2.5k-26k | S S S S S S S S S S T | 15 12 15 12 10 8 12 10 10 8 | | | | F.F.F.F.F.F.F.F.F.C SSSSSSSSSSSSSSSSSSSS | 51/4 41/4 61/4 51/4 43/8 37/8 51/4 43/8 43/8 31/2 1/4 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | venting. As above but 2.5 cubic test. For enclosure of 1.75 cubic test. With dual voice-coils, \$129.00 each. As above but \$199.00 each. As above but \$99.00 each. As above but \$79.00 each. |
| | GT03 TD30 T414 T516 GT965 GT963 GT963 GT963 GT963 GT962 GT961 T545 GT622 GT621 GT522 GT521 | | 79.00 349.00 199.00 299.00 199.00 169.00 149.00 149.00 349.00 349.00 139.00 99.00 119.00 89.00 | 90 200 40 80 100 140 120 105 150 100 90 90 60 | 90 92 90 92 92 92 93 92 92 92 92 92 91 91 91 | | 41-23k 500-8 60-23 55-26 50-27 40-23 45-21 50-20 45-22 40-18 55-20 55-20 55-20 60-20 60-20 60-20 | M | 4 51/2 6 x 9 6 x 9 5 1/2 5 1/4 5 1/4 | 2224323322222 | | Yes Yes No No No No No No No No | S F F. C C C C C F S C F C F C | 2 13/4 21/2 33/8 31/8 31/8 31/8 11/8 17/8 17/8 2 2 15/8 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Includes crossover. For Fords and Hondas. DIN basket. Tabs removable for European round |
| | GT422 GT421 | | 99.00 69.00 | 80 50 | 91 90 | 4 | 70-20 70-20 | | 4 31/2 | 2 | | No No No | F F F, P | 1% 1½ 1¾ | Yes No Yes | nounting. DIN basket. For Mercedes. |
| | T464 GT462 TL410 TL350 T75 | | 119.00 59.00 119.00 49.00 269.00 | 60 60 80 15 100 | 90 92 92 87 85 | 4 4 4 4 | 100-20 70-20 55-20 115-15 75-26 | | 372 4 x 6 4 x 10 3 ¹ / ₂ 5 ¹ / ₄ | 2 2 2 W 2 | | No No Yes | F F F P | 11/2 31/2 11/2 15/2 | Yes Yes Yes | For U.S. cars; tor European cars, Model GT462M. |
| JENSEN | JM 156 JTE 1300 JW101 JTX 3469 JCX 2469 JCX 2269 JX 3269 JCX 2269 JW804 JTX 340 JTX 340 JTX 320 | 299.00 149.00 59.95 | 80.00 119.00 80.00 99.00 79.00 109.95 99.95 | 100 300 375 190 160 160 140 200 150 140 | 89 97 89 92 91 91 88 93 93 | 4 4 4 4 4 4 4 4 4 | 45-20 53-22 36-200 Hz 35-23 30-22 35-23 30-22 35-20 25-3 45-22 45-22 | s | 6 ¹ / ₂ (2)10 10 6 x 9 6 x 9 6 x 9 6 x 9 8 6 x 9 6 x 9 6 x 9 | W 3 2 3 2 3 3 3 | | No No No No No No | + + + + + | 31/2 31/4 31/2 31/4 41/8 41/8 | Yes No No No No No | Enclosure; for hatchbacks. Dual voice-coils. |
| | JTX365 JSM401 JSM301 JXL461 JXL351 JXL692 JXL401 JXL653 JXL693 | | 99.95 179.95 139.95 39.95 34.95 109.95 49.95 109.95 129.95 | 120 120 100 50 50 160 65 135 175 | 91 90 80 91 86 92 86 91 91 | 4 4 4 4 4 4 4 4 4 | 58-20 80-20 85-20 65-21 70-20 40-25 70-21 58-23 40-26 | | 6 ¹ /2 (2)4 4 3 ¹ /2 6 x 9 4 6 ¹ /2 6 x 9 | 3 3 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | | No No No No No No | | 11/2 11/2 11/4 4 11/4 11/4 11/4 41/18 | No No No No No No | In-dash replacement. As above. As above. |
| (Continsed) | JXL653 JXL522 JXL653 JXL452 | | 109.95 89.95 109.95 69.95 | 100 135 80 | 93 91 91 90 | 4 4 4 | 58-23 58-20 ± 3 58-23 65-23 | | 61/2 51/4 61/2 41/2 | 3232 | | No No No | F F | 4 % 1 3 /4 1 7 /8 1 3 /4 | NO Yes No | For marine use. |

Speakers Umun Dower

DRIVERS

| | / | / | / | / | / | / | | | / | | | | VERS | | | |
|--------------|---|------------------|--|-------------------|----------------------------|------|--|----------------|----------------------------|----------------|--------------|----------|---------------|---|-------------------|--|
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| MANUFACTURER | And | 200 | Price Sold Individually) | Recold in Pairs | \$ 10 × 10 | | Transame, Olas I Hant He | * /3 | | and the second | | | | Communic () Surger | The second second | tone and the second |
| JENSEN | JFX165 | Í – | 49.95 | 1 13 | 1 30 | 1.4 | 00.20 ±3 | + | 61/2 | T w | \leftarrow | | F | 11/1 | \leftarrow | <u> </u> |
| (Continued) | JFX1460 J5252 J1401 | | 39.95 199.95 | 50 150 | 90 88 | 4 | 65-18 50-21 ± 3 | | 4 x 6 5¼ | 2 3 | | Yes | | 11/2 | No | In-dash replacement. |
| | J1405 J1350 | | 129.95 84.95 32.95 | 45 45 50 | 88 92 92 90 | | 40-20 45-18 | | 4 x 10 4 x 10 | 2 | | No No | F | 2% 2% | | |
| | JW1004 JW1204 | 67.95 79.95 | 32.93 | 250 | 30 | 4 8 | 80-50 25-2.1 ± 3 | S | 3½ 10 | W | | | F | 11/2 | No | As above. |
| | JW1500 JW1200 | 99.95 | | 350 | 94 | 4 | 20-2.5 ±3 20-2.1 ±3 20-2.5 | S S S | 12 15 12 | | | | | 6% | | |
| | JW1000 JTE630 | 69.95 | 199,95 | 325 250 150 | 94 92 91 91 | 4 | 25-2.1 75-25 ± 3 | Š | 10 | 2 | ļ. | | | 5¼ 4½ | No No | |
| | JTE830 | | 249.95 | 200 | 94 | 4 | 60-25 ± 3 | | 8 | 2 | | No | S | | No | Carpeted enclosure; for smaller pickups and vans. |
| | | 1 | | | | | | | ľ | 1 | | | ľ | | No | Carpeted, bottom-loaded, ported enclosure; for smaller pickups and |
| 1 | JTE1030 | | 299.95 | 250 | 95 | | 55-20 ± 3 | | 10 | | | No | s | | No | vans. Carpeted, bottom-loaded, ported enclosure. |
| | JM1600 JM1610 | 64.95 69.95 | | 170 | 88 88 | 4 | 50-22 ± 3 50-22 ± 3 | | 6½ 6½ | 2 | | No Ne | F | 1% | Yes Yes | For marine use. As above; cabinet enclosure. |
| | JCX244 JCX225 | | 64.95 79.95 | 75 80 | 90 | 4 | 61-20 ± 3 60-20 ± 3 | | 4 51/4 | 22 | | No | S F F | 1½ 1¾ | | Fits European cars. |
| | JCX246 JCX220 JCX240 | | 69.95 89.95 89.95 | 90 130 140 | 90 92 92 | 4 | 60-20 ± 3 45-22 | | 6½ 6 x 9 | 222222222 | | No No | F | 196 41/6 | No | |
| | JCX226 | | 64.95 | 80 | 90 | 4 | 45-21 60-20 | | 6 X 9 61/2 | 2 | | No No | F | 41/1 | No No | |
| JL AUDID | 8W2 8W3 | 67.00 89.00 | | 75 125 | | 4 | 24-2.5 ± 3 23-250 Hz | S S | 8 | | | | F | 3 ¹ /2 3 ¹ /2 | Yes Yes | For enclosure of 0.75 to 2 cubic feet. As above but 0.5 to 1.5 cubic feet. |
| | 10W1 | 99,00 | | 125 | 1 | 4 | ± 3 23-180 Hz | s | 10 | | | | F | 41/2 | Yes | As above but 0.5 to 2 cubic feet. |
| 1 | 10W2 | 109.00 | | 125 | 1 | 4 | ± 3 26-250 Hz | s | 10 | | | | F | 41/4 | Yes | As-above but 1.5 to 3 cubic feet, |
| | 10W5 | 165.00 | | 250 | | 4 | ±3 21-250 Hz ±3 | s | 10 | | | | F | 41/4 | Yes | As above but 1 to 2 cubic feet. |
| | 12W1 | 113.00 | | 125 | | 4 | 23-180 Hz ± 3 | s | 12 | | | 1 | F | 51⁄4 | Yes | As above but 1 to 3 cubic feet. |
| | 12W2 | 123.00 | | 125 | | 4 | 28-250 Hz ± 3 | S | 12 | | | | F | 5 | Yes | As above but 2.25 to 3.5 cubic feet. |
| | 12W5 | 187.00 | | 250 | | 4 | 21-250 Hz ± 3 | S | 12 | | | | F | 5 | Yes | As above but 1.5 to 3 cubic feet. |
| | 121B4 15W1 | 110.00 149.00 | | 125 150 | 93 | 8 | 32-2.5 ± 3 21-180 Hz | W S | 12 15 | | | | F | 5½ 6¾ | No Yes | As above but 1.5 to 5 cubic feet. |
| | 15W5 | 209.00 | | 250 | | 4 | ± 3 20-250 Hz | s | 15 | | | | F | 5¾ | Yes | As above but 2.5 to 6 cubic feet. |
| | CT-1 5CW-1 | | 55.00 90.00 | 50 | 94 | 4 | ±3 5k-22k ±3 | T | - | | A | | F, S | 3/4 | Yes | |
| | 6CW-1 6W1 | 59.00 | 119.00 | 50 50 60 | 88 88 89 | 4 | $\begin{array}{c} 60.8 \pm 3 \\ 50.5 \pm 3 \\ 50.4 \pm 2 \end{array}$ | WWW | 51/4 61/2 | | | | E | 2½ 2½ | Yes Yes | |
| | 5CS-1 5CX-1 | 03.00 | 180.00 119.00 | 50 40 | 88 88 | 4 | 50-4 ± 3 60-20 ± 3 70-19 ± 3 | w w | 6½ 5¼ 5¼ | 2 | A | Yes | F F, S | 3 2 ¹ /2 | Yes Yes | |
| | Mustang Stealthbox | 599.00 | | 200 | 95 | 4 | 28-120 Hz ± 3 | S | 10 | - | | No | | 21/2 | Yes Yes | Fiberglass enclosure; for spare tire |
| | Toyota Smartbox | 999.00 | | 300 | 93 | 4 | 35-180 Hz ± 3 | S | 10 | | | | | | Yes | well of Ford Mustangs, Fiberglass enclosure; for Toyota standard-cab trucks, |
| - | Mazda Smartbox | 999.00 | | 300 | 96 | 4 | 34-180 Hz ± 3 | S | 10 | | | | | | Yes | As above but for Mazda standard-cab trucks. |
| | GM Full-Size Smartbox Nissan Smartbox | 1099. 999.00 | | 450 | 95.5 | | 30-180 Hz ± 3 | S | 10 | | | | | | Yes | As above but for full-size GM pickup trucks. |
| | Nissan Smartbox 8A-1 | 999.00 229.00 | | 300 50 | 93 | 4 | 35-180 Hz ± 3 44-140 Hz | S | 10 | | | | | | Yes | As above but for Nissan standard-cab trucks. |
| | 8PT-2 | 399.00 | | 100 | | 4 | ± 3 42-125 Hz | S S | 8 (2)8 | | | | | | No | Bass-reflex bandpass enclosure. |
| | 10A-1 | 329.00 | | 125 | | 4 | ±3 42-100 Hz | s | 10 | | | | | | No No | As above. As above. |
| | 10PT-2 | 499.00 | | 250 | | 4 | ±3 42-100 Hz | s | (2)10 | | | | | | No | As above. |
| JVC | CS-T11 | | 159.95 | 150 | 88 | 4 | <u>±3</u> 1k-30k | T | | | | | F | 54 | | |
| | CS-M04 CS-M05 | | 99.95 89.95 | 150 150 | 88 88 89 | 4 | 45-7 45-7 | M | | | | | F | 5% 13/4 21/4 | | |
| | CS-F08 CS-F10 CS-F300 | 240.05 | 169.95 199.95 | 200 300 | 89 | 4 | 30-2 20-1 | \$ \$ \$ | 8 | | | | F | 3 ³ /8 4 ³ /8 | | |
| | 00-1000 | 249.95 | | + | 86 | 1 | 20-2 | S | 6 X 6 | | | | S | | | †Dual voice-coils, 50 watts and 4 ohms per coil. Ported enclosure; |
| | CS-XG6938 CS-XG638 | | 269.95 229.95 | 150 100 | 90 89 | 4 | 25-30 30-30 | | 6 x 9 6 ¹ /2 | 3 | | | F | 31/1 | | honeycomb driver. |
| | CS-X6936 CS-X6926 | | 159.95 | 135 | 92 92 | 4 | 30-20 30-20 | | 6 X 9 6 X 9 | 32 | | | F | 2 ¹ /8 3 2 ³ /4 | | For marine use. |
| | CS-X626 CS-X616 | | 89.95 69.95 | 100 75 | 91 91 | 4 | 40-20 40-20 | | 6½ 6½ | 2 W | | | F | 294 11/1 11/1 | | As above. As above. |
| | CS-X426 CS-X416 | | 79.95 69.95 | 45 45 | 88 88 | 4 | 50-20 50-20 | | 4 | 2 W | | | F | 1¥4 1¥4 | | As above. As above. |
| | CS-6937 CS-6927 | | 119.95 99.95 | 120 | 93 92 | | 30-27 30-24 | | 6 x 9 6 x 9 | 3 | | | FI | 27/ | | As above. |
| | CS-6917 CS-627 CS-617 | | 89.95 74.95 59.95 | 75 | 93 92 92 90 90 | | 30-15 40-20 | | 6 x 9 6½ | 2 | | | FFF | 2% 2% 1% | | |
| (Continued) | CS-526 CS-516 | | 59.95 69.95 59.95 | 60 60 60 | 90 90 90 | | 40-19 50-20 50-20 | | 6½ 5¼ | W 2 | | | F F F | 13/4 13/4 | | |
| 100 | | | 33.33 | | 30 | • | 30-20 | | 5¼ | W | | | F | 1¾ | | |

AUDIO/MAY 1992

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The 10" MTX BTW1044

SPEAKERS

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| MANUFACTURER | and the second | Price. | Price S | Becom | Siller Mark | illisur, | to due | | | | */ } | | | 3 | Ke | folis. |
| JVC (Continued) | CS-427 CS-417 CS-5724 CS-304 CS-103 CS-103 | | 49.95 39.95 129.95 34.95 229.95 | 45 45 60 30 60 | 87 91 87 | 4 4 4 | 50-20 50-20 40-20 80-15 40-25 | | 4 4 5 x 7 31/2 | 2 W 2 W 2 | | | F F F P | 134 134 21/2 15% | | |
| | CS-8G7 CS-81 CS-8007 CS-MR626 CS-MR616 | | 169.95 129.95 169.95 89.95 69.95 | 100 70 70 100 75 | 90 90 90 91 91 | 4 | 45-30 60-20 50-20 40-20 40-20 | | 41/2 4 61/2 61/2 | 3 2 3 2 W | | | S S F F | 17/1 17/1 | | Basa-reflex enclosure. As above. For marine use. As above. |
| KAWASAKI | KS-36 KS-39 KS-360 KS-390 KS-390 | | 109.00 115.00 180.00 180.00 285.00 | 60 70 100 120 180 | 88 88 90 92 94 | 4 4 4 4/8 | 55-16 ± 3 55-16 ± 3 70-20 ± 3 40-20 ± 3 110-20 ± 3 | | 6 ¹ /2 6 x 9 6 ¹ /2 6 x 9 5 | W 3 3 2 | | No No No | F C F C S | 3 3½ 2% 3¼ | Yes Yes Yes Yes Yes | Box enclosure; dual voice-coits. |
| KEF | GT-100 GT-200 | | 250.00 575.00 | 50 100 | 90 90 | 4 | 50-20 ± 3 30-20 ± 3 | | 4½ 8 | 23 | | No Yes | P P | 1¾ † | Yes Yes | †1¾ inches for satellites, 12 inches for enclosed subwoofers. |
| | KAR-19S KAR-19F | | 120.00 120.00 | 70 | 90 90 | 4 | 2.5k-22k ±3 2.5k-22k | T T | | | | | S F | 1½ | Yes Yes | External crossover required. As above. |
| | KAR-33A KAR-33F KAR-110 | | 120.00 120.00 120.00 | 100 100 100 | 90 90 90 | 4 4 4 | ±3 2.5k-20k 2.5k-20k 50-5 | T T W/ | 41/2 | | A/P | , | S F F | 134 21/1 | Yes Yes Yes | As above. As above. As above. |
| KENWOOD | KAR-200SW KFC-HQ160 | | 350.00 149.00 | 100 150 | 90 90 | 4 | 30-250 Hz 35-22 ± 3 | ŝ | 8 6½ | 3 | | No | F F F | 12 21/4 | Yes Yes | As above; enclosed subwooler. |
| 1 | KFC-HQ130 KFC-1683 KFC-1683 KFC-1673 KFC-1663 KFC-1373 KFC-1363 KFC-1073 KFC-1073 KFC-1053 KFC-1053 KFC-W212 KFC-W210 KFC-W106 KFC-K106 | 149.00 | 119.00 99.00 119.00 89.00 59.00 69.00 49.00 199.00 129.00 79.00 | 100 60 120 60 60 50 50 40 300 300 45 | 90 89 92 92 91 91 90 90 90 90 92 89 | 4 | 45-22 ± 3 55-22 ± 3 45-21 ± 3 50-20 ± 3 50-20 ± 3 60-20 ± 3 60-21 ± 3 60-21 ± 3 60-20 ± 3 30-3 70-20 | S S W | 5 4 6 1/2 5 5 4 4 12 6 4 4 12 6 4 x 6 | 2 2 3 2 W 2 W 2 W | - | No No No No No | | 21/4 13/4 2 15/1 15/1 13/4 13/4 15/1 5/1 4/2 13/4 | Yes Yes Yes Yes Yes Yes Yes Yes | |
| | KSC-7701 KSC-9901 KSC-8801 | 249.00 | 249.00 199.00 | 200 200 150 | 90 90 90 | 4 | 35-20 40-20 50-20 | | (2)10 10 8 | 2 3 2 2 | A | No Yes Yes | S S | 174 | No | Box enclosure; for hatchbacks. Box enclosure; for trucks; tweeter overload protection. As above. |
| | KSC-5100 KFC-411G KFC-4671 KFC-830G KFC-6973 KFC-6973 KFC-497C KFC-W310 KFC-W310 KFC-W310 KFC-W308 KFC-W310 KFC-W308 KFC-M205 KFC-M204 KFC-7201 KFC-P204 KFC-P204 KFC-P204 KFC-W208 KFC-W208 KFC-W208 KFC-W208 | 149.00 | 169.00 99.00 99.00 129.00 129.00 159.00 199.00 199.00 199.00 159.00 159.00 159.00 159.00 159.00 209.00 189.00 189.00 | 60 100 45 30 105 150 200 45 300 300 150 150 150 150 150 300 300 150 | 85 91 91 92 92 91 88 91 88 91 88 90 90 92 98 92 98 93 90 92 98 93 93 93 93 93 93 93 93 93 93 93 93 93 | | 60-20 60-20 60-20 35-22 35-25 30-26 28-30 60-20 30-1 45-9 45-9 45-9 45-9 45-10 2k-25k 50-20 60-20 60-20 60-20 55-2 2k-23k | 55 5 5 5 5 T | 4 x 10 4 x 5 3 x 5 6 x 9 6 x 9 7 0 6 x 9 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 | 222W233322 2222 | A | Yes No No No No No Yes Yes Yes | ภาก เวกากก ช | 2178 333773321432434348 344243214343434 3443434343434343434343434343434 | Yes Yes Yes Yes Yes Yes | |
| KICKER | Solo-baric S-8 Solo-baric S-10 Solo-baric S-10 Solo-baric S-12 FX-525 FX-65 FX-65 ND-26 D-20 D-20 D-20 D-14 Competition C-15 Competition C-15 Competition C-15 Competition C-15 Freeair F-15 Freeair F-12 Freeair F-10 Freeair F-8 Freeair F-8 | 169.00 249.00 299.00 439.00 199.00 169.00 139.00 79.00 169.00 169.00 169.00 79.00 79.00 79.00 | 229.00 199.00 249.00 239.00 249.00 79.00 65.00 59.00 | 300 300 450 600 95 50 100 100 75 75 65 1k 500 400 300 200 200 200 | 90 91 91 91 88 86 96 95 93 93 93 94 95 93 92 94 95 95 95 95 95 | 4 4 4 4 4 4 4 4 4 4 8 6 6 4 8 8 4 8 8 4 8 8 4 8 8 4 8 8 4 8 8 4 8 8 4 8 8 4 8 8 4 8 8 4 8 | 28-100 Hz 24-100 Hz 20-100 Hz 50-21 50-21 30-21 30-21 3.5k-20k 3k-21k 3k | ************************************** | 8 10 12 51/4 6 x 9 61/2 18 151/6 151/6 151/6 151/6 121/4 81/8 61/2 101/6 81/6 81/6 x 9 61/2 101/6 81/6 121/4 101/6 121/4 10 12 121/4 12 12 12 12 12 12 12 12 12 12 12 12 12 | 2222 | | NG Ng Ng Ng | | 11/4 11/4 3/4 3/7/6 5 3/3/6 5 3/3/6 5 3/3/6 5 3/3/6 3/3/6 | Na Na Na Na Na Na Na Na Na Na Na Na Na N | Sealed enclosure. As above. As above. Includes crossover. |
| (Continued) | Freeair F-6.5 Freeair F-5.25 Freeair F-4 Freeair F-3.5 | 79.00 59.00 49.00 39.00 | | 150 90 70 50 | 96 91 89 88 | 4/8 4/8 4/8 4/8 | 30-3.5 50-5 60-6 90-15 | W M M | 9% 6½ | | | | F F F | 2% 2% 2% 1% | No No No | includes bass blocker. As above. As above. |

SPEAKERS DRIVERS

| | | | , March | | | to unu | Li Manu | <u>e</u> : | | | | | | See 2 | (i) and (ii) | |
|-----------------------|--|--|---|--|--|--|---|--|---|--|------------------|---|--|--|---|--|
| MANUFACTURER | and the second sec | Price S | Sold Individually) | Pecomo In Pairs) | Se Channel Ma | una in thinking | Trenenter, Ohns II | Nod- in the | A CONTRACTOR OF | and and a second se | | | and the second second | | A AND | Moles |
| KICKER (Coetlaged) | SS15 SS12 SS10 SS6 SS6 SSCTF 2x10 SK12 SK10-2 SK10-2 SK6-2 Compact Sub | 549.00 449.00 359.00 479.00 359.00 | 689.00 179.00 549.00 449.00 359.00 279.00 229.00 | 300 250 200 150 75 200 200 250 250 200 150 125 75 | 93.5 93.5 92.5 91.2 91.5 92.5 92.5 92.5 93.5 92.5 90.5 89.5 88.9 | 4 4 4 4 4 4 4 4 4 4 4 4 | 28-21 30-21 33-21 55-21 25-21 25-500 Hz 35-21 38-21 40-21 40-1 | s s | (2)15 (2)12 (2)10 (2)8 (2)6 (2)10 (2)10 (2)12 (2)10 (2)10 (2)8 (2)5 | 3 3 2 2 3 3 3 2 2 2 | | No No No No No No No No No | » » » » » » » » » » » » » » » » » » » | | No No No Yes No No No No No No No | Cabinet enclosure. Passive-radiator enclosure. |
| KRACO | FX-93 FX-95 TRI-500 CX-300 TRI-369 CX-269 CX-120 CX-220 THP-3 CX-240 | | 119.95 209.95 109.95 59.95 54.95 54.95 59.95 44.95 54.95 | 100 100 50 25 50 40 40 40 25 40 | 96 86 85 89 86 86 86 86 86 | 4 4 4 4 4 4 4 4 | 40-20 20-20 150-16 60-17 65-16 90-16 90-16 150-20 90-16 | | 6 x 9 6 4 3 ¹ /2 6 x 9 6 x 9 6 ¹ /2 5 ¹ /4 3 ¹ /2 4 | 323232222 | A A A | NO Yes No No No No No No No | | 31/2 31/2 31/2 21/2 21/2 21/4 11/4 11/4 | No No No No No No No No | Box enclosure. |
| LANZAR SOUND | LN18 LN15 LN15 LN10 LN8 OA15S OA12S OA12S OA12S OA12S OA10S OA8S LXR10 LXR12 LC18S LC15S LC12S LC18S LC10S LC8S RDT HCX6 x 9 DST HCX6 x 9 DST HCX6.5 PST MWS6.5 DMT MWS5 M04 XR HB8 XR SP10 XR HB10 XR HB12 HF6600 | 249.95 139.95 109.95 79.95 74.95 159.95 84.95 84.95 84.95 229.95 184.95 199.95 199.95 | 75.95 259.95 64.95 134.95 99.95 84.95 89.95 84.95 279.95 | 250 200 150 150 200 150 200 150 100 100 100 350 300 60 150 60 150 60 150 60 150 150 60 150 150 100 200 | 101 99 96 96 99 96 96 98 96 96 98 96 96 96 96 96 96 96 98 98 99 92 98 99 92 93 93 93 93 93 93 93 95 95 95 95 95 95 95 95 95 95 95 95 95 | 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 | 30-2 30-2 30-2 30-2 20-200 Hz 20-200 Hz 20-200 Hz 20-200 Hz 30-6 40-1 40-1 40-1 40-1 40-1 40-1 40-1 40-1 | S S S S S S S S S S S S S S S T T T T M | 18 15 12 10 8 15 12 10 8 10 12 18 15 12 18 15 12 10 8 6 ¹ / ₂ 5 ¹ / ₂ 8 10 10 12 10 | 2 2 2 2 2 2 2 3 3 | A P A A A A A | Na Na | 86666644444444444444444444444444444444 | $\begin{array}{c} 7 & 5 \\ 6 & 7 \\ 5 & 5 \\ 4 \\ 3 \\ 5 \\ 6 \\ 4 \\ 4 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$ | | With dual 4-ohm voice-coits, \$329.95 each. As above but \$236.95 each. As above but \$189.95 each. As above but \$124.95 each. As above but \$105.95 each. As above but \$105.95 each. As above. As above. As above. As above. |
| L.A. SOUNO | HF7500 MT3300 LXR8 LXR15 LS 6903H LS 6902H LS 6902H LS 5002H LS 5002H LS 5002H LS 4002H LS 4001H LS 4001H LS 693 LS 692 LS 601 LS 693 LS 692 LS 601 LS 401 Barstow Indio Mojave Hemet Anza LX 15-400 LX 12-300 LX 10-200 LX 10-200 | 449.00 449.00 449.00 449.00 399.00 329.00 239.00 169.00 169.00 169.00 169.00 169.00 169.00 159.00 159.00 159.00 59 | 379.95 459.95 99.00 89.00 59.00 49.00 39.00 39.00 39.00 39.00 39.00 39.00 39.00 39.00 39.00 24.00 19.00 | 200 200 200 100 150 150 150 50 50 50 50 50 50 50 50 50 50 50 50 5 | 500 98 99 99 92 91 90 90 90 90 90 90 90 90 90 90 90 91 91 91 91 91 91 107 107 107 107 102 98 91 91 92 93 91 91 92 91 93 90 90 90 90 90 90 90 90 90 90 90 90 90 | ***** | 40-20 40-20 30-6 30-6 55-21 50-26 55-21 80-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 90-20 28-20 38-20 20-15 36-25 38-20 20-15 36-25 36-25 38-20 20-15 36-25 38-20 20-15 36-25 36-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20-20 38-20 20 | S S WW S S WW WM T T | 12 10 12 12 12 12 12 12 12 12 12 12 | 333 32222 22 W W 3222 22 W W 3222 2222 2222 2222 2222 | | NG NG NG NG NG NG NG NG NG NG NG NG NG N | | 3% 3% 3% 21% 1% 1% 1% 3% 22 1% 7 5% 55 5 5 5 5 4 4 1% | Yes Yes Yes Yes Yes No No No No Yes Yes Yes Yes Yes | As above. As above. As above. As above. As above. As above. Box enclosure. As above. As above. A |

Speakers

| 128 LAG 120 <th></th> <th></th> <th>,</th> <th></th> <th>/</th> <th>/</th> <th>-</th> <th></th> <th>11</th> <th></th> <th>7</th> <th></th> <th>DDP</th> <th></th> <th></th> <th>7</th> <th>/ / /</th> | | | , | | / | / | - | | 11 | | 7 | | DDP | | | 7 | / / / |
|--|--------------|-----------------------------------|-----------------|-------------------------|----------------|----------------|--------|--------------------------|----------|----------------------------|--------|-------|----------|----------------------|---|------------|--|
| NUMECHINE And A < | | / | | | / | / | jer | | | , | | / | | | /_ | - | |
| MUTACTUREN MUTACT | | | | | | | no din | L'JUEM | / | | | / | / / | ./ | Chinese . | S. Ling | International Communities |
| Lange | | | / | Lidowelly. | airs) | Witer 15 | | 1) Surge | as Bp | 100 A | laches | | | unie di | Surrace | | en la companya de la comp |
| Lange | | | 15 | old Indi | old in F | S Chang | Nin, | ance, o | | | is is | 25 | | leiv Mo | () () () () () () () () () () () () () (| UM HORE | le putor |
| Lange | MANUFACTURER | 100 H | Price P | Price III | Beco | 100 - C. | | and state | 1 | | | */ \$ | | | | | Mole |
| LA30 LA30 LA4300 LA4300 LA43002 LA43002 LA43000 LA43000 LA4300 LA4300 LA4300 LA43000 LA43000 | LAZER | LAS0 | | 25.00 35.00 | 40 | 92 | 6 | 500-20 | I Ŧ | | | | | F | 1/2 1/2 | | |
| LAS3 B TO B PS - 0 F PS - 3 F P | | LA100 LA350 | | 49.00 | 80 60 | 89 | 4 | 500-22 400-8 | T M | | | | | F | 7/8 13/4 | | |
| LA48 LA48 LA154 T0.00 130.00 LA1540 T0.00 130.00 100.00 1 | | LA500 LA525 | | 59.00 | 100 100 | 95 97 | 4 | 400-7 50-8 | M | C14 | | | | F | 21⁄4 3 | | Sealed-back midrange. |
| LASD DECEMPTION Constraint Tool of the stand sector is and the | | LA848 LA1048 | 70.00 90.00 | | 100 160 | 94 96.4 | 4 | 20-1.5 20-1.5 | WS | 8 | | | | F | 4 | | As above but for 0.75 cubic foot. |
| LA1550 SPC121 | | LA1548 LA850 | 130.00 60.00 | | 160 100 | 95.7 92 | 4 | 17-800 Hz 20-2 | W I | 15 8 | | | | F | 6 | | |
| SPR210 B SPR210 F SPR210 F SPR210 F SPR210 F SPR210 F SPR210 F SPR210 F At above thined to 0 ftr. At above F At above thined to 0 ftr. F At above thined to 0 ftr | | LA1250 LA1550 | 100.00 | | 200 250 | 95 96 96 | 4 | 20-1.5 20-1.5 | I W | 12 | | | | F F F | 5 | | |
| MEAR POWER 2022 Strong 95,00 bit 1000 200,00 bit 1000 200,00 bit 1000 | | SPK210 | 275.00 | * | 200 200 | 92 95 96 | 4 | 20-20 | | 10 | 2 2 2 | | | S S S | | | As above but tuned to 40 Hz. |
| BV-1 200.0 100 90 1 20-10 Hz 5 (2)8 1 100 No F 100 No 100 | LINEAR POWER | | 995.00 | | 250 220 | 96 | 4 | - | s | | 2 | | Yes | - | 33/4 | No | Mono; includes feedback-servo amp. |
| Cence Fer Fer </td <td></td> <td></td> <td>Sys.</td> <td></td> <td>500 Inc.</td> <td>90</td> <td>+</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td>Yes</td> <td></td> <td>10</td> <td></td> <td>As above.</td> | | | Sys. | | 500 Inc. | 90 | + | | | | | | Yes | | 10 | | As above. |
| 8 COAC 7 90 4 4 40 2 No F 34 No F 100 Tite cols | | | 200.00 | | | | | | | | | | | | | | stereo. Two woofers fire through one |
| 102070 1175.00 1 90.4 1 30.15 2 S 10 F 4/2 No 10.10 10 | MADISOUNO | 8 COAX | | 125.00 | 75 | 90 | 4 | 40-21 ±2 | | 8 | 2 | | No | F | 33/1 | No | †Dual voice-coils, 100 watts and |
| LESTIC MARE MARE 100 66 4 4 43-3 8 5 10 1 4 40-3 8 10 4 40-3 8 10 1 100 66 4 4 33-3 8 5 10 1 4 40-2 1 100 16 6 4 4 33-3 8 10 1 4 40-2 1 100 16 6 4 4 33-3 8 10 1 4 40-2 1 100 16 6 4 4 33-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 1 4 100 16 6 1 4 35-3 8 10 10 10 16 6 1 4 100 16 7 100 16 6 1 4 100 16 7 100 16 6 1 4 100 16 7 100 16 6 1 4 100 16 7 100 16 6 1 4 100 16 7 100 16 6 1 4 100 16 7 100 16 10 100 16 7 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 10 100 16 1 | | | | | | | | | | | | | | | 41/2 | No | †Dual voice-coils, 100 watts and |
| MS46P MS400 MS40 MS4 | | | 70.00 | 190.00 | | | · · | | | _ | | | | F | 5 | No | |
| MS46P MARK 70.00 d3 88 4 100.20 K X 2 No P 11/2 Yes MS400 50.00 25 89 4 80.20 51/4 2 No F 11/4 F | MAJESTIC | MAX10 MAX12 | 90.00 100.00 | | 100 100 | 96 96 | 4 | 38-3 36-3 | S | 10 12 | | | | | | | |
| MS300 MCS3A MCS4A MCS4A MCS4A MCS4A MCS4A MCS5A MCS5A MCS5AL MPS2CSL MPS2CSL MPS2CSL MPS2CSL MS25510 MSS5510 48.0 9.95 60 92 4 49.20 10 T 4 50.20 24 50.20 20.20 50 7 7 8 61.9 3 No F F 31/4 1/4 T F 31/4 1/4 T F 31/4 1/4 T F 31/4 1/4 T F 31/4 1/4 T F 31/4 1/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4 <td></td> <td>MS46P MS410</td> <td>120.00</td> <td>40.00</td> <td>40</td> <td>88 89</td> <td>4</td> <td>100-20 80-20</td> <td>5</td> <td>4</td> <td>2 W</td> <td></td> <td></td> <td></td> <td>11/2</td> <td>Yes</td> <td></td> | | MS46P MS410 | 120.00 | 40.00 | 40 | 88 89 | 4 | 100-20 80-20 | 5 | 4 | 2 W | | | | 11/2 | Yes | |
| MC33A MC34 MC35A MC | | MS525 MS610 | | 55.00 60.00 | 30 40 | 90 90 | 4 | 60-20 50-20 | | 5¼ 6 | 2 | | No No | F | 1½ 2¼ | | |
| MCSBA MP34221. MP35221. MP35221. MP35221. MP35221. MP3582. MP358 | | MCS3A MCS4 | | 39.95 39.95 | 60 150 | 88 92 | 4 | 4k-20k 3k-20k | Т | 6 X 9 | 3 | | NO | | 11/2 | | |
| MM PSS2S1, MM PS692 Sp.95 60 92 4 60-20 6 2 No F 134 Yes MS59 MM PS692 89.95 125 92 4 40-20 6 x 9 2 No F 134 Yes MS59 MS5962 99.95 150 92 4 40-20 6 x 9 2 No F 134 Yes MS510 No F 134 Yes MS5316 40.95 30 90 4 40-20 6 y No F 134 Yes MS536 No No F 134 Yes MS540 No No F 134 Yes MS540 No No F 134 Yes MS540 No No No No F 134 Yes MS540 No No <td></td> <td>MCS6A MCS8A</td> <td>49.95</td> <td>49.95</td> <td>100 100</td> <td>92 92</td> <td>4</td> <td>60-10 20-2.5</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td>F</td> <td>31/4 31/2</td> <td></td> <td></td> | | MCS6A MCS8A | 49.95 | 49.95 | 100 100 | 92 92 | 4 | 60-10 20-2.5 | W | | | | | F | 31/4 31/2 | | |
| MP5650 MS6510 99,95 49,95 30 150 92 92 4 4 40,22 40,22 6 5 3 7 No F 43/4 1% Yase 1% MS6510 49,95 MS4123 49,95 49,95 MS265HE 24,95 20 98 4 4 60-18 6 6 7 2 4 No F 1% No F 2% No MS265HE 24,95 MS265HE 20,95 29,95 20 88 4 4 00-16 6 4 2 4 W F 1% No F 1% No MS4010 29,95 MS4620 39,95 39,95 10 88 4 84 50-18 4 4 2 4 Wo F 1% No MS4620 79,95 MS556 19,95 10 88 4 4 45-20 6 x 9 3 3 No No F 3% No MS560 99,95 100 4 90-21 4 4 3 3 No S No MS560 99,95 100 4 90-21 4 4 3 3 No S No MS560 99,95 100 | | MPS52SL MPS62SL | | 59.95 69.95 | 60 60 | 92 92 | 4 | 60-20 50-20 | | 6 | 2 2 2 | | No No | F . | 13⁄4 13⁄4 | Yes Yes | |
| MS4123 MS269HE MS269HE MS269HE MS4010 49.95 20 39 4 60-18 60-18 4 x 10 6 x 9 3 W No F 2% No MS4012 29.95 30 68 4 50-18 4 2 No F 3 No F 3 No MS4012 29.95 30 68 4 50-18 4 2 No F 1% No MS462D 39.95 30 68 4 60-18 4 x 6 2 No F 1% No MS560120W 79.955 60 90 4 45-20 6 x 9 3 No Bass-reflex enclosure. MS560 99.955 100 90 4 60-20 4 3 No S No As above: honeycomb woofer. MS560 99.955 100 92 4 60-20 4 3 No S No As above: honeycomb woofer. As above: honeycomb woofer. As abov | | MPS69 MS6510 | | 99.95 39.95 | 150 30 | 92 90 | 4 | 40-22 40-20 | | 6 x 9 | 3 W | | No | F | 4¼ 1% | Yes No | |
| MS209HE MS4010 MS4012 49.55 29.5 20 29.55 88 30 4 50.18 6 4 4 9 4 4 W 4 F 7 1/2 1/2 1/4 No F 1/2 1/4 No F MS3055 MS3655 19.95 10 30 88 4 50.18 100.16 4 4 50.18 4 4 2 20.05 No F 1/2 1/4 No F No F 1/2 1/4 No F No F 1/2 1/4 No F No F 1/2 1/4 1/2 1/4 No F <td< td=""><td></td><td>MS4123 MS265HE</td><td></td><td>49.95 24.95</td><td>35 20</td><td>90 98</td><td>4</td><td>50-20 60-18</td><td></td><td>4 x 10 61/2</td><td>3 W</td><td></td><td></td><td></td><td>23/8 2</td><td>No No</td><td></td></td<> | | MS4123 MS265HE | | 49.95 24.95 | 35 20 | 90 98 | 4 | 50-20 60-18 | | 4 x 10 61/2 | 3 W | | | | 23/8 2 | No No | |
| M 54620 M 565120W M 55566 39.95 79.95 M 5550 30 90 88 4 4 520 4 6 520 6x 9 3 3 8 3 3 No F 8x 9 No 5x 3 3 No F 3 3 No S No F S No S No F S Bass-reflex No S Bass-reflex As above. M 5500 99.95 100 90.4 80-21 4 3 No S No S </td <td></td> <td>MS269HE MS4010 MS4012</td> <td></td> <td>49.95 29.95 29.95</td> <td>25 20 30</td> <td>88 68</td> <td>4</td> <td>60-18 100-16 50-18</td> <td></td> <td>6 x 9 4 4</td> <td>W</td> <td></td> <td>No</td> <td></td> <td>3 1½ 1½</td> <td>No No</td> <td></td> | | MS269HE MS4010 MS4012 | | 49.95 29.95 29.95 | 25 20 30 | 88 68 | 4 | 60-18 100-16 50-18 | | 6 x 9 4 4 | W | | No | | 3 1½ 1½ | No No | |
| MS5566 79.95 40 88 4 4520 6 x 9 3 No F 3 No Bass-reflex enclosure. MS530 69.95 60 90 4 80-21 3/4 3 No S S S S S S S S | | MS355 MS4620 | | 19.95 39.95 79.95 | 10 30 60 | 88 68 90 | 4 4 4 | 120-16 60-18 45-20 | | 4 x 6 6 x 9 | 2 | | No | FF | 1½ 1¼ | No No | |
| MS550 MS590 99.95 149.95 100 149.95 90 149.95 100 149.95 90 25 4 8 60-20 64 4 60-20 4 4 4 3 4 4 No 8 S No 8 No 8 As above; honeycomb woofer. As above. As above; honeycomb woofer. As above. MS5600 99.95 100 92 4 60-20 4 3 No 80 S No 8 No 8 S No 8 No 8 S No 8 No 8 S No 8 No 8 S No 8 No | | MS6566 MS530 | | 79.95 49.95 | 40 50 | 68 90 90 | 4 | 45-20 80-21 | | 6 x 9 3 ¹ /2 | 3 | | No No | F S S | | No No | |
| MSS600 MSS60WP 99.95 119.95 129.95 100 19.95 125 92 92 4 4 60-20 50-20 4 4 3 50-20 No 50 No 8 No 8 As above. 0 QUART 0M 120KX 0M 130KX 219.00 0M 130KX 60 90 90 4 49-20 4 6 ¹ / ₂ No 5 ¹ / ₄ No F. S 2 ³ / ₂ Yes For pickup trucks, vans, hatchbacks. 0 QUART 0M 120KX 219.00 60 90 4 49-20 6 ¹ / ₂ No F. S 2 ³ / ₂ Yes 0M 160KX 279.00 70 90 4 38-32 6 ¹ / ₂ No F. S 3 ³ / ₄ Yes 0M 19HC 149.00 80 90 4 2.7k-32k T No F. S 3 ³ / ₄ Yes 0M 210KX 299.00 100 90 4 2.5k-20 Hz S 8 No F. S 3 ³ / ₄ Yes 0M 210FC 139.00 100 90 4 26-200 Hz S 10 F. S | | MS560 MS590 | | 99.95 149.95 | 100 150 | 90 90 | 4 | 60-20 60-24 | | 4 | 3 | | No No | S S S | | No No | As above; honeycomb woofer. As above. |
| QUART QM 120KX 219.00 60 90 4 49-20 6½ 5¼ No F. S 2% Yes QM 130KX QM 130KX 249.00 50 90 4 49-20 6½ 5¼ No F. S 2% Yes QM 130KX 249.00 70 90 4 38-32 5¼ 6½ No F. S 2% Yes QM 10KX 479.00 90 90 4 38-32 8 No F. S 2% Yes QM 19HC 149.00 80 90 4 2.7k-32k T No F. S 3¼ Yes QM 210TC 139.00 100 90 4 35-200 Hz S 10 F. S 3¼ Yes Yes F. S 3¼ Yes | | MS5600 MS5650WP | | 99.95 119.95 | 100 100 | 92 92 | 4 | 60-20 50-20 | | 4 | 3 3 | | No No | S | | No Yes | As above. |
| 0M 210KX 479.00 90 90 4 3.5.32 8 No F, S 3½ Yes 0M 19HC 149.00 80 90 4 2.7k-32k T F, S 3½ Yes 0M 210TC 139.00 100 90 4 2.6k-32k T F, S 3½ Yes 0M 210TC 139.00 100 90 4 2.6k-32k T F, S 3½ Yes 0M 210TC 139.00 100 90 4 2.6k-32k T F, S 3½ Yes 0M 215CX 319.00 50 90 4 49-32 5¼ 2 Yes F, S 2½ Yes 0M 215CX 249.00 80 90 4 49-32 5¼ 2 Yes F, S 2½ Yes 0M 215 Universal 319.00 50 90 4 49-32 5¼ 2 Yes F, S 2½ Yes For BMW 5 series (1988 and newer) and 7 series (1987 and newer). 0M 216 Universal 379.00 70 90 | MB QUART | QM 120KX QM 130KX | | 219.00 249.00 | 60 50 | 90 90 | 4 | 49-20 49-32 | | 6½ 5¼ | | | No No | F, S F, S | 25/1 23/1 | Yes Yes | |
| OM 215CX 319.00 50 90 4 49-32 5½ 2 Yes F.S 2% Yes QM 120CX 249.00 80 90 4 49-32 6½ 2 Yes F.S 2% Yes Yes F.S 2% Yes F.S 2% Yes Yes F.S 2% Yes F.S 2% Yes Yes F.S 2% | | QM 210KX QM 19HC | | 479.00 149.00 | 90 80 | 90 90 | 4 | 35-32 2.7k-32k | | | | | | F. S F. S F. S | 3¼ ¾ | Yes Yes | |
| OM 215CX 319.00 50 90 4 49-32 5½ 2 Yes F.S 2% Yes QM 120CX 249.00 80 90 4 49-32 6½ 2 Yes F.S 2% Yes Yes F.S 2% Yes F.S 2% Yes Yes F.S 2% Yes F.S 2% Yes Yes F.S 2% | | QM 210TC QM 250SUB | | | 100 140 | 90 90 | 4 | 35-200 Hz 26-200 Hz | S S | 10 | | | | F. S F. S F. S | 31/4 43/4 | Yes Yes | |
| OM 216 Universal 379.00 70 90 4 40-32 6½ 2 Yes F, S 2¾ Yes Image: Additional and the stress of the stres of the stres of the stress of the stress of the stress of the | | QM 215CX QM 120CX | | 249.00 | 80 | 90 | 4 | 49-20 | | 61/2 | 2 2 2 | | Yes | F. S F. S | 25/1 | Yes | |
| | | QM 218 Universal QM 215 Passal | | 379.00 | 70 50 | 90 90 | | 40-32 48-32 | | 6½ 5¼ | 2 | | Yes | F. S F. S | | Yes | and 7 series (1987 and newer). For Volkswagen Passat, |
| QM 130K/W 124 219.00 50 90 4 49-32 4½ Yes F, S 2 Yes For dash of Mercedes 200 and 300 | (Continued) | QM 130K/W 124 | | | 50 | 90 | | 49-32 | | | - | | | F, S | 2 | | For dash of Mercedes 200 and 300 |

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| | | / | Individua | zie ui | nded Ma | | e. Ohme | 1002 | | | | | and the second | (); 5. mar | | Cooleec's |
| MANUFACTURER | Model | Price S | Price 5 | Pecone in Pairs) | | and the second | Freedomes, Ohno St. (1) | | | and the second s | | | | | | 50000000000000000000000000000000000000 |
| MB QUART | QM 130K/W 124 Heck | <u> </u> | 239.00 | 60 | 90 | 4 | 49-32 | ſ | 41/2 | | | Yes | F, S | | Yes | As above but for rear deck. |
| (Continued) | QM 218CX QM 325CX QM 328CX | | 379.00 499.00 549.00 | 60 80 | 90 90 90 | 4 | 38-32 49-32 38-32 | | 6½ 5¼ 6½ | 2 3 3 | | Yes Yes Yes | F, S F, S | 21/2 23/1 21/2 | Yes Yes Yes | |
| | QM 335CX QM 215 Golf | | 779.00 319.00 | 100 50 | 90 90 | 4 | 30-32 49-32 | | 8 5¼ | 32 | | Yes | F, S F, S F, S F, S | 31/4 | Yes | |
| MOS | ST-30 ST-35 ST-45 | | 79.00 89.00 99.00 | 50 50 50 | 91 91 91 | 4 4 4 | 5k-20k 5k-20k 5k-20k | Ţ | | | A | | S F S | | Yes Yes Yes | |
| | CSX-430 CSX-435 CSX-445 | | 189.00 199.00 209.00 | 40 40 40 | 90 90 90 | 4 | 95-20 95-20 95-20 | | | | A | Yes Yes Yes | S F S | | Yes Yes Yes | |
| | CSX-530 CSX-535 CSX-545 CSX-630 | | 219.00 229.00 239.00 | 50 50 50 | 90 90 90 89 | 4 | 90-20 90-20 90-20 | | 5¼ 5¼ 5¼ | | A P | Yes Yes Yes | S F S | | Yes Yes Yes | |
| | CSX-635 CSX-635 CSX-645 CSW-590 | | 239.00 249.00 259.00 199.00 | 65 65 65 50 | 89 89 | 4 4 4 4 | 80-20 80-20 80-20 90-20 | | 6½ 6½ 6½ 5¼ | | P P | Yes Yes Yes | S F S | | Yes Yes Yes | |
| | CSW-690 SAT-50 PA-60 | | 219.00 199.00 159.00 | 65 40 40 | 90 89 90 90 | | 80-20 80-20 75-20 | | 6½ 4 | | P | No No No | | | Yes Yes Yes Yes | |
| | TU-600 TU-800 TU-1000 | 125.00 149.00 199.00 | | 75 100 150 | 90 92 93 90 | 4 | 50-800 Hz 45-600 Hz 40-400 Hz | S S | 6½ 8 10 | | | | | | Yes Yes Yes | |
| MEI | TU-1200 SK6525 SK6930 | 239.00 | 39.95 59.95 | 200 30 60 | 90 92 | 4 | 25-250 Hz 60-16 40-16 | S | 12 6½ 6 x 9 | 23 | | No No | F | 2½ 3½ | Yes No No | |
| | DS4025 D85425 DS6525 CK1250 | 99.95 | 69.95 79.95 79.95 | 60 80 80 150 | 91 91 91 | 4 4 4 | 50-26 60-26 40-26 30-400 Hz | | 4 5¼ 6½ | 222 | - - | No No No | F F | 1¾ 1¾ 1¼ | No No No | |
| | CK6950 CK4050 CK1050 | 33.30 | 59.95 39.95 49.95 | 50 25 75 | 93 92 91 94 94 | 4 | 30-400 Hz 30-10 600-18 3k-20k | W S M T | 12 6 x 9 4 | | | | F F F | 4% 3¼ 1¾ 1 | No No No | |
| | CK1025 SK6520 SK4005 | | 39.95 59.95 29.95 | 75 30 20 | 91 88 | 4 | 6k-20k 65-14 | Ť | 4 | 2 | | No | F - | 5/1 11/2 | No Yes No | For marine use. |
| | SK5405 SK6505 DS6935 | | 39.95 39.95 129.95 | 20 20 150 | 89 90 94 | 4 4 4 | 65-14 60-14 29-28 | | 5¼ 6½ 6 x 9 | 993 3 | | No | FFF | 1¼ 2½ 3 | No No No | |
| M & M ELECTRONICS | 620-15R-4/8 6920-15R-4/8 820-15R-4/8 | 93.95 100.95 101.95 | - | 200 200 200 | 94 95.5 96.9 96 | 4/8 4/8 4/8 | 64-1.4 ±6 48-4.6 ±6 32-2.1 ±6 | W W W S | 6 6 x 9 8 | | | | F. S F. S F. S | 3 3% 3½ | No No No | For sealed enclosure. As above. As above. |
| | 1030-2R-4/8 1230-2R-4/8 | 153.95 166.95 | | 300 300 | 96 97 | 4/8 4/8 | 64-800 Hz ± 6 72-400 Hz | S S | 10 12 | | | | F, S F, S | 4 47/1 | No No | As above. As above. |
| | 1870-25A-4/8 620-15PR-4/8 6920-15PR-4/8 | 455.95 99.95 105.95 | | 350 200 200 | 99 94 95.5 | 4/8 4/8 4/8 | ±5 24-3.2 ±6 64-3.4 ±6 64-4.8 ±5 | S W W | 18 6 6 x 9 | | | | F, S F, S F, S | 71/2 | No No | As above. As above. |
| | 820-15PR-4/8 1030-2PR-4/8 | 105.95 105.95 159.95 | | 200 200 | 96.9 96 | 4/8 4/8 | 32-3 ±6 68-800 Hz ±6 | W S | 8 10 | | | | F, S F, S F, S | 3% 3½ 4 | No No No | As above. As above. As above. |
| | 1230-2PR-4/8 1560-2PR-4/8 1570-25PR-4/8 | 175.95 228.95 311.95 | | 300 300 350 | 97 99.3 96.6 | 4/8 4/8 4/8 | 56-3 ±6 60-2.6 ±6 52-2.4 ±6 | S S S | 12 15 15 | | | | F, S F, S F, S | 4% 5% 5% | No No No | As above. As above. As above. |
| | Godfather 6-4/8 Godfather 69-4/8 Godfather 8-4/8 Godfather 10-4/8 | 108.95 116.95 117.95 178.95 | | 250 250 250 320 | 95 98.3 97 97.9 | 4/8 4/8 4/8 | $\begin{array}{r} 48-5.2 \pm 6 \\ 56-3.3 \pm 6 \\ 40-4.6 \pm 6 \\ 50 000 \text{ Mm} \end{array}$ | S S W W S | 6 6 x 9 8 | | | | F.S F.S F.S F.S | 3 35/1 3 ¹ /2 | Yes Yes Yes | As above. As above. As above. |
| | Godiather 12-4/8 Godiather 15-4/8 | 193.95 262.95 | | 350 400 | 97.6 98.5 | 4/8 4/8 4/8 | 60-900 Hz ±6 56-1 ±6 32-1.2 ±6 | S | 10 12 15 | | | | F, S F, S F, S F, S | 4 47/1 53/15 | Yes Yes Yes | As above. As above. As above. |
| | The Rose 12-4/8 The Rose 15-4/8 505-1A | 392.95 540.95 | | 800 1.2k | 93.2 92.1 | 4/8 4/8 | 48-800 Hz ±6 36-2.6 ±6 | S S | 12 15 | | | | F, S F, S F, S | 4 ⁷ /a 6 ¹ /2 | Yes Yes | As above. As above. |
| | 505-1A 606-1 Godfather MID | 33.95 59.95 94.95 | | 80 120 180 | 96.8 102 91 | 8 | 544-2.6 ±6 128-5 ±6 80-4.9 ±6 | M | | | | | | 21/4 17/8 | No No | Closed-back midrange; includes crossover. |
| MOBILE | USW 520 | 28.95 89.95 | | 80 | 87.4 93 | 8 | 1.2k-18.5k ±6 40-8.6 | T | _ | | P | | F, S F, S F, S | 25/8 11/4 | No No | Includes crossover. |
| AUTHORITY | USW 545 USW 565 USW 570 | 139.95 149.95 169.95 | | 150 200 160 220 | 100 101 104 | 4 4 4 4 | 40-8.0 40-9 40-9 40-9.6 | *** | 8 10 12 12 | | | | F F F | | Yes Yes Yes Yes | |
| MOHAWK | USW 590 M-15 M-12 | 199.95 119.00 89.00 | | 220 150 150 | 106 92 92 | 4 | 40-9.8 25-4 35-4 | Ŵ | 15 15¼ 12 | - | | | F | 6¼ 5 | Yes No | |
| | M-10 M-8 M-6.5 | 69.00 55.00 45.00 | | 125 100 75 | 91 90 90 | 4 4 | 35-4 40-5 45-10 | W | 10% 8% 6% | | | | F | 3 ¹ /4 3 ¹ /4 | NO No No | |
| | M-5.25 M-4 M-3.5 | | 79.00 65.00 49.00 | 50 40 30 | 87 90 90 | 4 4 4 | 55-10 65-20 95-20 | M | 4½ 3½ | W | | | FF | 2½ 1¾ 1¾ | No No No | includes bass blocker. As above. As above. |
| | M-14 | _ | 45.00 | 50 | 92 | 4 | 5k-20k | T | | | | | C | 31 | No | Includes crossovers. |

Speakers

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|----------------------|--|----------------------------|----------------------------|--------------------------|--|-----------------|---|----------------------------|--|----------------|-------------|-------------------------|------------------|---|--|--|
| | / | , | | | / | | Paranter Office | | / | F | | DRIN | | _ | _ | Incode |
| | | | | | / | B of Were | 1 | / | And the second s | | | / / | Clause Moundable | is . | ie) " " (i) | |
| | | | Price 5 | | Martin | | Federance, Ohns Freedomer Oline | Succ | Tool . | | 100 | e / 7 | a | | The second s | |
| | | | Individ | isiled up | San Channer Man | 8 | e Ohn | 0 0 1 1 1 1 | E Star | and office was | | Seal Contraction of the | , Koun | Company (C) Su | | tones the second |
| | . Weber | 1100 | Price S | com | Siles . | | Pedan Pedan 12 to 12 | | | | | | alaine . | | | Mories |
| MANUFACTURER | f | | | | | | | | | /* | 4 | / 5 | | / • | Yes | / |
| MONDLITHIC Sound | W-700 WA-100 | 59.00 199.00 | | 125 50 Inc. | 91 98 | 8 | 40-2 30-200 Hz | S | 777 | | | | S | | TUS | Powered subwoofer; box enclosure. |
| MDREL ACDUSTICS | 57.04 57.05 | | 96.00 114.00 | 80 120 | 89 90 | 6 | 2.5k-25k 2.5k-25k | Ţ | | | A | | C C C | 51 51 | | Pust using calls and meanate |
| | 57.06 59.13 CR-7 System | | 139.00 186.00 498.00 | 160 100 150 | 91 88 | 6 4 4 | 2k-25k 45-5 40-20 ± 3 | Ŵ | 5 6 | 2 | A | No | S | 1 | | Dual voice-coils and magnets. As above. Wedge-shaped cabinet. |
| | MDT-101S MDT-104 | | 129.00 107.00 | 200 80 | 91 90 | 6.4 6.4 | 1.8k-25k ± 3 2k-20k | T T | | | P | | F | 11/2 11/4 | | |
| | MDT-107H MDT-105S | | 133.00 144.00 | 200 | 95 91 92 | 6.4 6.4 | 1.2k-25k 1.5k-25k | | | | P | | F S F | 2 21/2 | | |
| | MDT-106 CDM-95 | | 249.00 209.00 | 200 | | 6.4 6.4 | 1.8k-25k ±2 250-5 | м | | | r | | F | 11/2 | | |
| | MCW-162 CW-6 CW-8 | | 179.00 209.00 229.00 | 120 100 120 | 90 90 91 | 4 | 40-5 35-5 30-3.8 | www. | 6 6 8 | | | | F F F | 21/4 2 21/4 | | |
| | CW-10 CW-12 CW-15 | | 299.00 319.00 339.00 | 150 150 200 | 92 90 91 92 93 93 93 92 89 | 4 | 30.3.3 25-3.3 20-2.5 | W W W W W W W S | 10 12 15 | | | | FFF | 2 ³ /4 4 ³ /4 5 ¹ /4 | | |
| | PP-10 Coax-162 | 209.00 | 189.00 | 200 60 | 92 89 | 4 | 25-1.5 45-20 | ŝ | 15 10 6 | 2 | | No | F F F | 2¾ 2¼ 2¼ 2¼ | 1 | Stereo subwoofer. |
| | Integra 6 Integra 8 Integra 10 | | 259.00 289.00 349.00 | 100 120 150 120 | 91 92 92 89 | 4 | 45-25 35-25 30-25 | | 6 8 10 | 2 2 2 2 2 2 | _ | NO NO NO | F | 21/4 21/4 | | |
| | 166-M System 226-M System 228-M System | | 289.00 309.00 499.00 | 120 150 150 | 89 90 90 | 4 | 45-20 35-20 35-20 | | 6 8 8 | 2 2 3 | P P P | Yes Yes Yes | | 21/4 21/4 21/4 | | |
| MTX/ BLUE THUNDER | BTW1248 BTW1048 | 129.95 114.95 | | 150 100 | 93 92 | 8 | 19-2 ±3 21-2.5 ±3 | S S W | 12 10 | | | | F | 5½ 4% | No No | 4-ohm version available. As above. |
| | BTW838 BTT16 BTM44 | 99.95 49.95 59.95 | | 70 100 70 | 91 92.5 88 | 8 6 4 | 25-2.5 ±3 5k-20k ±3 68-5 ±3 | IT. | 8 | | | | FF | 3 ³ /4 1 ¹ /1 2 ¹ /1 | No No No | As above. |
| | BTM54 BTM55 BTM64 | 69.95 47.95 89.95 | | 100 100 120 | 88 91.5 88 | 4 8 4 | 52-5.1 ±3 800-4 ±3 35-3 ±3 | MM | 61/2 | | | | F | 2% 2 3% | No No No | Sealed-back midrange. |
| | BTE12W BTE12S | 499.95 | 459.95 | 175 175 | 93 92 | 4 | 32-20 ± 3 54-20 ± 3 | " | 12 12 | 3 | | No No | S | | No No | Box enclosure. As above. |
| | BTE10W BTE10S BPE10 | 439.95 349.95 | 399.95 | 125 125 125 | 92 91 82 | 4 | 35-20 ± 3 62-20 ± 3 41-110 Hz | s | 10 10 10 | 32 | | No No | S S S | | No No No | As above. As above. Bandpass enclosure. |
| MTX/COAXIALS | MTX3501 | | 49.95 | 30 | 92 | 4 | ± 3 130-15 | M | | W | | No | Ę | 1½ 1½ | No No | |
| | MTX4002 MTX4602 MTX5202 | | 89.95 129.95 99.95 | 45 45 60 | 91 95 94 | 4 | 120-15 100-19 90-19 | | 4 x 6 | 222 | | No No | F | 1% 2 | No No | |
| | MTX6502 MTX6902 MTX6903 | | 109.95 159.95 189.95 | 75 120 150 | 95 96 96 | 4 | 100-19 65-19 65-19 | | 6½ 6 x 9 6 x 9 | 2 2 3 | | No No | F F F | 13/4 3 31/6 | NO NO No | |
| MTX/ELIMINATOR | ESW84/88 ESW104/108 | 69.95 99.95 | | 100 150 | 90 91 91.5 | 4/8 4/8 | $50-3.7 \pm 335-3 \pm 329-1.7 \pm 3$ | S S S | 8 10 | | | | F | 37/8 45/8 | No No | |
| MTX/ | ESW124/128 ESW154/158 RT25 | 119.95 139.95 17.95 | | 150 150 40 | 91.5 93 92 | 4/8 4/8 4 | $29-1.7 \pm 3$ 24-2.1 ± 3 3k-40k ± 3 | S T | 12 15 | | | | F | 51/1 51/1 21/1 | No No No | |
| ROAD THUNDER | RT3 RTT1 | 14.95 24.95 49.95 | | 40 50 30 | 92 92 91 91 | 4 6 4 | $ \begin{array}{r} 3k-40k \pm 3 \\ 4k-27k \pm 3 \\ 5k-20k \pm 3 \\ 5k-20k \pm 3 \end{array} $ | T T T | | | | | F | 21/0 | No No | Includes crossover and swivel mount. |
| | 0T1 RTM34 RTM44 | 19.95 29.95 | | 30 40 | 69 85 | 4 | 180-7.6 ± 3 110-4.2 ± 3 | M | | | | | F | 21/8 | No No | Includes capacitor. As above. |
| | RTM54 RTM62 RTP46 | 39.95 49.95 49.95 | | 40 60 40 | 88 88 89 | 4 | 74-5.5 ± 3 35-3.5 180-20 ± 3 | W | 61/2 | 2 | | Yes | F F P | 2% 3% 1% | No No No | As above; midrange and tweeter in |
| | MTX15SX MTX25SX | | 169.95 199.95 | 40 45 | 88 | 4 | 110-20 ± 3 100-20 ± 3 | | 6½ | 22 | | No | S | | No No | 4 x 6-inch plate. Separate enclosure for each channel. As above. |
| | MTX35SB MTX45SB | 220.05 | 329.95 419.95 | 100 150 | 90 94 97 | | 60-22 ± 3 55-22 ± 3 | | 8 10 | 233 | | No No No | S S | | No No No | As above. As above. As above. |
| | MTX55SX MTX65HB MTX62MB | 329.95 419.95 299.95 | | 150 150 40 | 95 91 90 | 4 | 80-20 ± 3 50-22 ± 3 40-20 ± 3 | | 10 10 (2)6 | 323 | | No No | S S | | No No | As above. Enclosure; for Mazda Miata. |
| | MTX85CF MTX312SX MTX95HB | 329.95 499.95 | 449.95 | 150 170 200 | 95 97 87 | 4 4 4 | 40-20 ± 3 50-20 ± 3 40-20 ± 3 | | (2)6 (2)12 12 (2)12 | 3 | | No No No | S S S | | No No No | Enclosure; for Camaro and Firebird. Separate enclosure for each channel. Enclosure. |
| | MTX105HB MTX105HBS MTX225HBX | 549.95 849.95 | 599.95 | 250 250 300 | 90 90 92 | 4 | 60-20 ± 3 60-20 ± 3 43-20 ± 3 | | (2)12 (2)15 15 (4)15 | 3 | | NO NO NO | S S S | | No No No | As above. Separate enclosure for each channel. Enclosure. |
| | BX1010 BX1212 | 299.95 329.95 | | 100 150 | 96 90 91 | 4 | 30-2 ± 3 60-2.2 ± 3 | s s | (4)15 (2)10 (2)12 (2)15 5 ¹ / ₄ | Ŭ | | | S S | | No No | Enclosed subwoofer. As above. As above. |
| | BX1515 RMM52 RMM52F | 349.95 | 199.95 199.95 | 150 50 50 | 91 89 89 | 4 4 4 | 55-2.1 ±3 42-20 ±3 42-20 ±3 | 2 | (2)15 51/4 51/4 | 22 | | No No | S † † | 1½ 1½ | No No | 1111/2 x 71/2-inch panel. 115 x 9-inch panel. For 1982 to 1991 |
| | RMM52FCB | | 199.95 | 50 | 89 | 4 | 42-20 ± 3 | | 51⁄4 | 2 | | No | t | 13/8 | | Firebirds. †17½ x 10-inch panel. For 1982 to 1991 Camaros. |
| | RMM52CFB RMM52NP | | 199.95 199.95 | 50 50 | 89 89 | 4 | 42-20 ± 3 42-20 ± 3 | | 5¼ 5¼ | 2 2 | | No No | 11 ++ | 13/a 11/2 | No No | ††Panel. For 1982 to 1991 Firebirds and Camaros. For 1986 to 1991 Nissan Hardbedies. |
| (Continued) | RMM52TP RMM62 | | 199.95 199.95 219.95 | 50 50 60 | 69 89 89 | 4 | $42-20 \pm 3$ $42-20 \pm 3$ $42-20 \pm 3$ | | 51/4 6 | 22 | | No | [# | 1½ 2% | No No | For 1983 to 1991 Toyota pickups. |
| | | | | | | | | | | | | | | | | 107 |

AUDIO/MAY 1992

Speakers

| MULTICATIONED MULTICATION MUL | | / | / | | / | 7 | | 77 | 7 | / | | | DRI | VERS | | | |
|--|-------------------------------------|--|--|--|--|--|--|--|---------------------------------------|---|--------|---------------------|-------------------|-----------------------|--|--|--|
| MAURACTUREN MAURACTUREN TYPE TOTOMINATELY | | / | | | / | / | Me. | . Weiler | ' / | , | 150 | ./ | | | /. | - | |
| Abs Trugger Number of the second | | | | | | | od unu | A REAL PROPERTY AND A REAL | / | | 55 | · / | / / | ./ | Oran Contraction | and the second | and a second sec |
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| Abs Trugger Number of the second | | | / ~ | oul 100 | old In | s Change | in in it | lence, lence | , N | | S.S. | | | A A | | | a mooi |
| Abs Trugger Number of the second | MANUFACTURER | <u> </u> | A SUN | Jule Party | Beco | ie s | | The state of the s | 1 | | | | | in the second | | e | Holes |
| NHMES21 T27.TEMINATION T27.T | NTX/ ROAD THUNDER (Continued) | RMM62M RMM62FP | | 239.95 219.95 219.95 | 60 60 | 89 | 4 | $30-20 \pm 3$ 39-20 ± 3 39-20 ± 3 | | 6½ 6½ | 22 | | No No | | 2% | NO NO NO | For 1990 to 1991 Mazda Miatas. For 1983 to 1990 Ford Rangers. |
| TEXTEMMUND MT11 MEXAL 49.5 (5) 100 (5) 00 (5) 00 (5) < | | | | 199.95 219.95 | | 89 89 | | 42-20 ± 3 39-20 ± 3 | | | 22 | | | | 11/2 | | GMC S-15. For 1988 to 1991 Ford Mustangs. |
| Minimize Minimiz | MTX/TERMINATOR | MTM34 MTM44/48 MTM54 MTM64/68 MTM74/78 MTP462 | 39.95 47.95 59.95 84.95 89.95 89.95 | | 30 70 100 120 180 30 | 83 88 88 88 88 91 83 | 4 4/8 4/8 4/8 4/8 4 | $ \begin{vmatrix} 100-7 \pm 3 \\ 58-5 \pm 3 \\ 52-5.1 \pm 3 \\ 35-3 \pm 3 \\ 50-4 \pm 3 \\ 100-20 \pm 3 \\ 36.5-2.2 \end{vmatrix} $ | M M W W | 31/2 | 2 | 5 | | | 11/1 13/4 21/1 25/1 33/1 31/2 13/4 | No No No No No No | Includes crossover. As above. As above. 6 x 9-inch bolt pattern. 4 x 6-inch plate. |
| Mitry Crick Mitry C | | MTW88 MTWDVC84 | 94.95 89.95 | | 70 50 | 87 | 8 | $\begin{array}{r} 33-2 \pm 3 \\ 37-2.1 \pm 3 \\ 36-2.1 \pm 3 \\ 27.5-1.8 \end{array}$ | S | 8 | | | | F | 344 344 | No | As above. Dual voice-coils. |
| UBSCLE MAGNET UES-32 UES-72 UES- | | MTW108 MTW107C104 MTW124128 MTW124128 MTW124128 MTW1524 MTW152 MTW154 MTW154 MTW154 MTW156 MTW150 MTW150 T284 T2104 T2124 | 99.95 96.95 102.95 99.95 139.95 134.95 169.95 199.95 229.95 129.95 129.95 159.95 | | 100 70 150 150 150 150 150 150 170 170 100 100 150 | 89.5 89.5 89.5 90 90 93 93 94 84 90 91,4 | 8 4 2 4 8 4 4 4 4 4 4 4 | $\begin{array}{c} 23 & 1.8 \pm 3\\ 24 & 2 \pm 3\\ 26 & 1.9 \pm 3\\ 26 & 5.2 \pm 3\\ 22 & 2 \pm 3\\ 24 & 2.1 \pm 3\\ 30 & 2 \pm 3\\ 31 & 2.2 \pm 3\\ 36 & 2 \pm 3\\ 36 & 2 \pm 3\\ 31 & 2 \pm 3\\ 26 & 2 \pm 3\\ \end{array}$ | S S S S S S S S S S S S S S S S S S S | 10 10 12 12 15 15 15 15 15 18 8 10 12 | | | | | 4% 4% 5% 5% 5% 6% 6% 6% 6% 6% 6% 5% 4% 5% 3% 4% 5% | NO NO NO NO NO NO NO NO NO NO NO NO | As above. Dual voice-coils. Vented pole piece. As above. Dual voice-coils. Vented pole piece. As above. |
| AKAMICHI SP-80 SP-55 SP-56 SP-560 250.00 SP-550 40 SP-550 250.00 SP-560 40 SP-560 66 SP-560 4 Sb-22k 5 SP-560 6 SP-560 40 SP-560 5 SP-560 200.00 SP-560 40 SP-560 5 SP-560 200.00 SP-560 40 SP-560 6 SP-560 4 SP-560 5 SP-560 200.00 SP-560 6 SP-560 4 SP-560 5 SP-560 200.00 SP-560 40 SP-560 6 SP-560 4 SP-52 5 SP-560 2 SP-560 7 SP-560 7 SP-560 7 SP-560 7 SP-50 | MUSCLE MAGNET | UES-53 UES-72 UES-746 UES-10 UES-2 | 60.00 45.00 125.00 80.00 160.00 110.00 | 90.00 250.00 160.00 320.00 220.00 | 175 120 400 175 400 250 | 95 94 98 97 95 | 8 8 8 8 8 | 25-3.0 50-5.0 40-4.5 52-5.0 30-4.0 30-4.0 | W W W W | 10 10 12 12 15 15 | | | | F F F | 4 4 5 ¹ /2 5 ¹ /2 6 ¹ /2 | | As above. As above. As above. As above. As above. |
| SP-300 SP-30 SP-30 SP-30 SP-30 90.00 SP-30 SP-30 100 SP-30 SP-30 100 SP-30 SP-4 88 SP-44 4 SP-20 SP-4 33/2 SP-20 SP-4 W SP-4 No SP-20 SP-4 No SP-20 SP-4 No SP-20 SP-4 No SP-20 SP-20 SP-4 No SP-20 SP-20 SP-4 No SP-20 | NAKAMICHI | SP-15 SP-5 SP-55C SP-46 SP-1010 | 230.00 | 250.00 200.00 250.00 100.00 | 40 40 80 20 200 | 86 87 86 86 87 90 | 4 | 45-5 1k-10k 5k-22k 50-22 90-20 25-4 | W M T | 6 5½ 4 x 6 9% | 2 W | Ä | | F F C F F | 25% 15% 23% 13% 41% | Yes Yes Yes Yes Yes | †Optional angle mount, Model MK-1. |
| CS-52 | MEAD | SP-200 SP-80 SP-50 SP-40 SP-10 | 20.05 | 300.00 300.00 190.00 130.00 | 80 160 80 40 40 | 86 92 87 88 86 | 4 4 4 4 | 50-20 30-1 50-6 75-20 2.5k-22k | Т | 51/6 71/6 51/4 | 2 | t | No | F F C | 13/1 37/1 11/2 17/1 | Yes Yes Yes Yes Yes | External crossover required. |
| MS-5.2PM 47.80 60 92 4/8 70.5 W 5%4 F Yes Sealed-back midrange. MS-5.2SM 45.80 45 92 4/8 500-7.5 M 6½ F Yes Yes Yes MS-206P 65.80 100 94 4/8 40-2 W 8 F Yes Yes Yes MS-4010P 105.80 150 92 4/8 30-2 W 10 F Yes Yes Yes MS-6012P 137.80 180 94 4/8 30-2 S 10 F Yes Yes Yes MS-6012P 137.80 200 94 4/8 22-1 S 12 F Yes Yes Yes MS-6015P 157.80 200 94 4/8 20-1 S 15 F Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes< | | CS-5.25 CS-5.25W CS-6.25 CS-8.0 CS-2.0 | 99.00 109.00 179.00 179.00 65.00 | | 100 100 150 150 50 | 89 89 89 91 89 | 4 | ± 1.5 47-10 ± 2 47-16 ± 2 45-4 ± 3 29-3 ± 2 1.5k-18k ± 3 2.5k-20k | W W T | 5¼ 6½ | | | | F F F F | 234 234 31/2 31/2 11/4 | Yes Yes Yes Yes Yes | |
| plate. | NIGHTSTALKER | NS-5.22M NS-5.25M NS-306P NS-308P NS-4010P NS-6012P NS-6012P NS-6012P NS-6015P NS-6015P NS-6015P NS-6015P NS-811 NS-711 NS-711 NS-711 NS-702 NS-602X NS-602X NS-602X NS-802X | 47.80 45.80 65.80 105.80 169.80 137.80 117.80 157.80 23.80 39.80 35.80 135.80 67.80 71.80 111.80 | 59.80 | 60 45 100 150 250 25 30 40 40 60 60 100 120 | 92 92 94 94 94 94 95 95 95 95 92 95 92 92 92 92 | 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 8 4/8 8 8 8 | 90-6 70-5 500-7.5 40-4 20-2 20-2 22-1 22-1 22-1 22-1 20-1 5k-20k 3k-20k 3k-20k 4k-20k 1.5k-18k 80-20 50-20 40-20 | ¥ ™ ¥¥¥≈≈≈≈ | 51/4 61/2 8 10 10 12 12 12 15 4 51/2 | | • • • • • • • • • • | Yes Yes Yes | | | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | |
| | (Continued) | NSC-10 | 279.90 | | 200 | 98 | 8 | 50-1.5 | w | 10 | | | | | | | |

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| MANUFACTURER | 1 0° | | | 1 de - | × 4 | , , , | and Lot H | 1.5 | * | and the second s | | | | 199 A | | Moles |
| NIGHTSTALKER (Continued) | NSC-12 NSC-15 | 339.90 359.90 | | 300 300 | 99 100 | 8 | 40-1.2 30-800 Hz | S W | 12 15 | | | | F | | Yes Yes | |
| NUMARK | ASW8 ASW10 ASW12 AST42 AST44 ND-200-8 ND-200-10 ND-200-12 NS-100-8 NS-100-10 | 93.50 97.95 101.95 26.50 41.95 375.00 419.00 439.00 | 419.00 479.00 | 200 200 200 50 100 200 200 200 | 95 95 96 99 100 94 95 96 95 96 | 4 | 36-3.5 29-3 28-2.5 4k-20k 5k-20k 36-20 29-20 28-20 36-20 29-20 28-20 | W W T T | 8 10 12 8 10 12 8 10 | 2 | A A A A A A A A A A A A A A A A A A A | No No No No No | S S S S S | | No No No Yes Yes Yes Yes | Carpeted box enclosure. As above. As above. As above. |
| | NS-100-12 AAS100 AAS150 AAS200 | 719.00 769.00 799.00 | 499.00 | 200 200 200 | 96 94 95 96 | 4 4 | 28-20 36-20 29-20 28-20 | | 12 8 10 12 | 2 2 2 2 2 | Â | No No No | | | Yes Yes Yes Yes Yes | As above. As above. As above. As above. As above. |
| ORION | XTR1S XTR4 XTR4 XTR5 XTR6.5MB XTR6.5 XTR8 XTR10 XTR10 XTR10 XTR112 XTR10 XTR10B XTR10BB XTR10BB XTR10BB XTR10BB XTR12BB CO6.5 CO8 CO10 CO12 CO15 | 42.00 45.00 67.50 89.50 127.50 135.50 116.00 121.00 121.00 227.00 142.00 142.00 205.00 84.00 93.00 112.50 123.50 171.00 | | 100 120 60 80 200 400 400 800 800 800 800 800 800 200 400 400 400 400 400 | 89 91 88 89 97 97 91 91 90 92 94 93 94 94 88 90 91 92 93 | 8 8 4 4 4 8 4 4 4 4 4 4 4 4 4 4 4 4 4 | 900-19 1k-19k 85-4 47-4 60-2 55-2 36-2.7 30-2 29-1.5 18-1.2 22-1 45-2.7 40-1.5 38-1 38-2.5 38-2.5 32-2 30-1.5 19-1.2 23-1 | TT MM MM SSSSSSSSSSSSSSSSSSSSSSSSSSSSSS | 6 ¹ / ₂ 8 10 12 15 8 10 12 6 ¹ / ₂ 8 10 12 15 | | | | | 3/4 1 1 ³ /4 2 ¹ /4 2 ¹ /4 2 ¹ /4 3 ³ /2 3 ³ /4 4 ¹ /4 5 3 ³ /2 3 ³ /4 4 ¹ /4 5 3 ³ /2 3 ³ /4 4 ¹ /4 5 3 ³ /2 3 ³ /4 5 3 ³ /2 3 ³ /4 5 5 3 ¹ /2 3 ³ /4 5 5 5 5 5 5 5 5 5 5 5 5 5 | No No No No No No No No No No No No No | Replaceable voice-coil. As above. With dual voice-coils, \$128.00 each. As above but \$159.00 each. As above but \$159.00 each. As above but \$150.00 each. As above but \$246.00 each. As above but \$178.00 each. As above but \$216.00 each. As above but \$216.00 each. As above but \$233.00 each. As above but \$233.00 each. As above but \$233.00 each. |
|)WI | M-4F M-5CX 900 202 203 2300 2301 | 65.00 89.00 199.00 | 129.00 178.00 159.00 179.00 399.00 299.00 | 30 40 30 80 100 60 60 | 90 94 93 92 92 85 90 | 4 4 8 8 8 4 6 | 70-18 ± 3 50-20 ± 3 40-450 Hz 90-20 90-20 50-20 65-20 | s | 4 51⁄4 51⁄4 | 2 | | No | F F S S F F | 63/4 1 11/2 13/4 13/4 | No Yes Yes Yes Yes Yes Yes | As above but \$176.00 each. For vans and trucks. As above. For vans, trucks, and RVs. As above. |
| OZ AUDIO | 0Z-25 02-100 02-130 02-180 02-200L 02-200L 02-250L 02-250L 02-250L 02-300L 02-300L 02-300H | 97.50 116.90 137.50 184.50 184.50 237.50 237.50 | 247.50 145.00 172.50 | | 90.9 90.9 91.5 91 92.4 92.4 92.6 92 92.2 | 4 | $\begin{array}{c} 1.5k-20k\\ \pm 1.5\\ 115\cdot9\ \pm 2\\ 90\cdot6\ \pm 2\\ 32\cdot5\ \pm 2\\ 28\cdot2\ \pm 2\\ 45\cdot2\ \pm 2\\ 18\cdot1.2\ \pm 2\\ 18\cdot1.2\ \pm 2\\ 18\cdot1\ \pm 2\\ 32\cdot1\ \pm 2\\ \end{array}$ | T | 51/4 61/2 8 10 10 12 12 | | Ρ | | - - | 1 1 1 21/2 31/8 31/2 31/2 41/4 41/4 5 5 | Yes Yes Yes Yes Yes Yes Yes Yes Yes | A3 6UUVE. |
| ACIFIC SOUND I SIGNAL | PAC40 16 | 399.95 | 149.95 | 60 120 | 90 91 | 4 | 60-21 20-200 Hz | s | 4 (2)6½ | 2 | P | No | S S | | No No | lsobaric subwoofer. |
| ANASONIC | EAB-H55 | | 90.00 | 100 | 92 | 4 | 40-22 + 0,-10 | | 51⁄4 | W | A | | | 21/8 | Yes | |
| | EAB-A63 | | 45.00 | 60 | 92 | 4 | 40-20 + 0,-10 | | 61/2 | 2 | | No | | 11/1 | Yes | |
| | EAB-A45 | | 45.00 | 40 | 91 | 4 | 50-22 + 0,-10 | | 4 | w | A | | | 1¾ | Yes | |
| | EAB-A43 | | 35.00 | 40 | 91 | 4 | 50-20 + 0,-10 | | 4 | 2 | | No | | 1¾ | Yes | |
| | EAB-T3 EAB-M10 | | 140.00 130.00 | 150 | 90 90 | 4 | 2k-25k + 0,-10 | T | | | | | | 5/8 | | |
| | EAB-W16 | | 160.00 | 150 150 | 90 89 | 4 | 500-10 +0,-10 40-7 | M W | 61/2 | | | | | 11/18 | | |
| | EAB-820 | 69.00 | | 45 | 82 | 4 | 40-7 + 0,-10 400-10 | M | 072 | | | | | 1 | | Cantas abound another |
| | EAB-ST1 | | 59.00 | 100 | 92 | 4 | + 0,-10 5k-25k | T | | | P | | c | 5/8 | Yes | Center-channel speaker. |
| | EAB-W25 EAB-H67 EAB-H65 EAB-H45 EAB-H98 EAB-H95 EAB-H95 EAB-H95 EAB-H93 EAB-533 EAB-531A EAB-T501 EAB-T501 EAB-466 | 129.00 | 109.00 79.00 159.00 119.00 99.00 65.00 30.00 35.00 45.00 75.00 | 300 120 60 200 120 100 80 40 40 40 50 | 92 93 92 94 93 93 93 90 93 90 93 92 | 444444444444 | 25-5 30-25 35-22 30-22 30-22 40-20 40-20 100-20 50-15 50-15 50-16 ± 3 40-22 ± 3 | S | 10 6½ 6½ 6 x 9 6 x 9 6 x 9 6 x 9 3½ 5 5 6½ | 3 2 2 3 3 2 2 W W 2 | | No | | 43% 25% 17% 134 3 234 234 13% 13% 13% 11% | Yes Yes Yes Yes Yes Yes Yes Yes Yes | |
| PAS | EAB-4152 HL-2880CNP | 320.00 | 55.00 89.00 | 50 60 400 | 90 92 99 | 4 4 8 | 60-22 ± 3 45-22 ± 3 25-2.5 | S | 4 x 6 4 x 10 18 | 2 2 2 | A | No No | F | 13/8 31/8 | Yes Yes | +Optional |
| | ER-1580CNP 15-5480 MB-1280C MB-1080C | 198.00 96.00 198.00 198.00 | | 300 120 300 300 | 100 96 99 98 | 888 | 50-2.5 55-5 80-3 80-4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 15 15 12 | | | | F, S F, S F, S F, S F, S | 8 6 ¹ /4 5 4 ³ /8 | | †Optional. |

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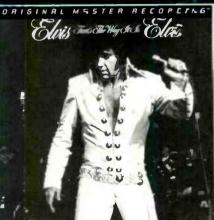


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| MANUFACTURER | the odd | A LICE | | Reco | A C | news. | inpeo in the second | | | in the | | | | | | Moles |
| PETRAS | H0T-1 SMT-1 100DT4 GW44 CP48 CP58 G54 GA64 GA64 GA64 CX104 CX124 SW1580 HS104 | 20.00 49.00 39.00 35.00 49.00 49.00 75.00 85.00 76.00 100.00 199.00 99.00 | 40.00 98.00 78.00 78.00 98.00 98.00 150.00 170.00 152.00 200.00 398.00 198.00 | 60 100 60 80 80 150 150 200 200 400 300 | 98 95 95 98 89 91 91 91 93 93 93 93 93 93 93 | 8 4 4 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 5k-25k 5k-25k 3k-22k 500-8 80-8 500-6 80-5 40-3 35-3 25-2.5 25-2.5 20-800 Hz 30-2 | T T M M M W W W W S S S | 6 ¹ / ₂ 8 10 12 15 10 | | | | | 7/8 1/2 11/8 17/8 2 21/4 21/2 3 31/2 41/8 5 7/8 37/8 | No No No Yes Yes No No No Yes Yes Yes | 8-ohm version available. Sealed-back midrange. 8-ohm version available. As above. As above. As above. Dual voice-coils. For sealed enclosure; with dual voice- coils, 5109.00 each or \$218.00 per |
| | FX104 HS124 HS124 HS154 HS184 PG64 PG84 PG84 PR104 PR104 PR124 PZ104 PZ124 PZ124 PZ154 | 110.00 119.00 139.00 349.00 85.00 95.00 140.00 150.00 165.00 175.00 195.00 | 220.00 238.00 260.00 278.00 698.00 170.00 190.00 280.00 300.00 330.00 350.00 390.00 | 300 300 300 200 200 350 350 350 350 350 350 | 93 93 94 96 91 93 94 94 95 95 95 95 | 444444444444444444444444444444444444444 | 30-2 25-1 25-1 20-800 Hz 20-800 Hz 40-3 35-3 28-2 24-1 28-2 24-1 20-800 Hz | S S S S S S S S S S S S S S S S S S S | 10 12 12 15 18 6½ 8 10 12 10 12 10 12 | | | | | 43% 43% 55% 55% 71/2 3 31/2 43% 51/4 43% 51/4 51/4 57% | Yes Yes Yes Yes No No Yes Yes Yes Yes | pair. As above but \$129.00/\$258.00. As above but \$149.00.\$298.00. For sealed enclosure. 8-ohm version available. As above. As above. As above. As above. |
| PHASI LINIAR | PL1352 PL1400 PL2460 PL2520 PL2650 PL2690 PL3690 PL4001 PL4001 PL4002 PL6502 PL6502 PL6503 PL6903 PL6400/48 | | 60.00 89.00 130.00 149.00 169.00 269.00 89.00 129.00 169.00 199.00 99.00 | 25 35 40 35 160 80 250 70 80 120 180 40 | 88 88 91 88 90 92 92 88 91 90 90 † | 4 4 4 4 4 4 4 4 4 4 4 4 4 | $\begin{array}{c} 110-22 \pm 3\\ 65-22 \pm 3\\ 65-22 \pm 3\\ 64-20 \pm 3\\ 55-27 \pm 3\\ 38-24 \pm 3\\ 36-27 \pm 3\\ 36-27 \pm 3\\ 65-22\\ 65-22\\ 55-21\\ 34-21\\ 65-10 \pm 3\\ \end{array}$ | M | 31/2 4 51/4 61/2 6 x 9 6 x 9 4 61/2 6 x 9 | W W 2 2 2 2 3 W 2 2 3 | | No No No No No No | | 11/2 13/4 13/4 13/4 13/4 13/4 13/4 13/4 13/4 | No No No No No No No No Yes | 4 x 6-inch plate. †Dual voice-coils: 89 dB SPL at |
| | PLC525/48 PL2525 PLS800/48 PLS1000/48 PLS1200/48 | 99.00 129.00 169.00 | 119.00 300.00 | 60 60 100 125 165 | t 88 t t | † 4 † † | $60-9 \pm 3 40-21 \pm 3 30-5 \pm 3 20-3.5 \pm 3 20-2.5 \pm 3$ | M S S S | 5 ¹ /4 8 10 12 | | P | Yes | F C F F | 21/8 21/8 41/4 47/8 57/8 | Yes No Yes Yes Yes | 4 ohms, 87 dB SPL at 8 ohms. †As above. †Dual voice-coils: 88 dB SPL at 4 ohms, 86 dB SPL at 8 ohms. †Dual voice-coils: 90 dB SPL at 4 ohms, 88 dB SPL at 8 ohms. †Dual voice-coils: 92 dB SPL at 4 ohms, 90 dB SPL at 8 ohms. |
| | PT5 PT75 | 150.00 | 119.00 | 60 80 | 88 90 | 6 | 3k-21k ±3 4k-20k ±3 | T | | | P P | | C C | 13/8 13/8 | Yes Yes | |
| PHILIPS | GTM420 GTM520 GTM620 GTM630 GTM830 GTM839 PR5502 PR5602 PR5602 PR5802 | | 129.00 149.00 164.00 179.00 189.00 214.00 389.00 459.00 519.00 | 80 100 120 200 200 80 150 200 | 90 90 91 91 91 87 88 89 | 4 4 4 4 4 4 4 | 45-25 45-25 30-25 30-25 28-25 28-25 40-25 34-25 30-25 | | 4 51/4 61/2 61/2 8 6 x 9 51/4 61/2 8 | 222333222 | | No No No No Yes Yes Yes | | 13/4 17/8 23/8 23/4 31/2 23/4 31/2 33/4 | No No No No No No No | |
| PHOENIX GOLD PIONEER | SP65 TS-C1301 | 80.00 | 210.00 | 100 150 | 93 90 | 4 | 38-3 ± 3 40-25 | S | 6 ¹ /2 5 ¹ /4 | 2 | Р | Vee | F | 31/2 | Van | |
| | TS-C1001 TS-TRX1000 TS-TRX800 | | 200.00 420.00 | 150 250 | 90 94 | 4 | 55-25 45-23 | | 4 10 | 2 3 | P | Yes Yes Yes | F, S F, S S | 2 | Yes Yes Yes | Separate carpeted enclosure for each channel. |
| | TSC-1601 TSW-2018C TSW-2018C TSW-2018C TS-M133 TS-M101 TS-M371 TS-T31 TS-T31 TS-T35 TS-W150 | 100.00 85.00 70.00 | 290.00 230.00 105.00 105.00 90.00 280.00 65.00 65.00 | 200 150 400 300 250 150 150 150 150 100 80 150 | 91 90 93 91 88 90 88 90 88 90 89 91 | 4 8 8 4 4 4 4 4 4 | 50-22 18-3.5 ± 3 18-4 ± 3 20-6 ± 3 38-11 55-20 60-20 2.5k-35k 2k-25k 2k-25k 2.5k-30k 35-6 | S S M T T W | 8 6 12 10 8 | 22 | P P P | Yes | 84. 88888888888888888888888888888888888 | 21/8 51/4 45/8 33/4 21/8 2 15/8 3/4 1 3/4 | Yes Yes Yes Yes Yes Yes Yes | As above. For sealed enclosure. As above. As above. Includes 4 x 6-inch mount. Includes crossover. Separate cylinder enclosure for each |
| | TS-P461 TS-6995 TS-6985 TS-A6908 TS-A6907 TS-A6905 TS-A6903 TS-6903 TS-T21 TS-T87 TS-T87 TS-T87 | | 160.00 300.00 260.00 220.00 160.00 140.00 100.00 70.00 105.00 95.00 400.00 | 150 200 200 160 120 100 80 150 150 200 | 90 94 93 93 93 92 92 90 90 90 | 444444444444444444444444444444444444444 | 60-25 28-32 29-28 28-30 28-27 30-26 35-23 35-20 2.4k-26k 180-24 | ŢŢ | 3½ 6 x 9 6 x 9 | 2 4 3 4 4 3 | P & & & & & & & & & & & & & & & & & & & | No No No No No No | | 1 5% 3 ¹ /2 3 ¹ /4 1 15% | Yes Yes Yes | channel. Biamp capable. |
| Centinued) | TS-TRX60 TS-TRX50 TS-TRX50 TS-TRX40 | | 400.00 300.00 230.00 165.00 | 200 150 120 100 | 90 91 90 90 | 4 4 4 | 45-24 55-24 65-23 75-23 | | 8 6½ 5¼ 5 | 2 2 2 2 2 2 | A A A | No No No No | S S S | | Yes Yes Yes Yes | For trucks. As above. As above. As above. |

| | / | | / | | 7 | -/ | | | | 7 | | DRIV | ERS | | 7 | |
|-------------------------|--|----------------------------|----------------------------|--------------------------|----------------------|-----------------|--|-------------|--|-------------|-------------------|--|----------------------|---|--|---|
| | | | | / | / | Power. | Ohms (1 Watt 1 Meeler) | | | | | | | ŝ | 13 | nii liene |
| | | | 1 | / | Sec. Chamed Marin | Lin | Len I | , | A State of the sta | | 150 | | Figure & Mountable | | Ci Januar (ci Januar (| Moles |
| | | / | Price S (II c. S | alle ut | anded Ma. | 80 | Feedence, Ohns II w | 108 H | | All Class | | Separation in the second s | Mount | 10 20 20 20 20 20 20 20 20 20 20 20 20 20 | equiline a | Troled; |
| | the cool | 11.00 | Price S | ecomo | 13 19 19 | | Pedanc, | | | | | | and the second | Contemport | and | Moles |
| MANUFACTURER PIONEER | TS-X300 | (| 215.00 | 120 | 89 | 4 | 50-30 | | 4x51/2 | - 4 | | No | s | | Yes | / |
| (Continued) | TS-X200 TS-X100 TS-66 | | 135.00 105.00 48.00 | 80 60 40 | 89 89 90 | 4 4 | 65-30 80-20 180-18 | | 4 4 51⁄4 | 32 | Å | No No No | S S | | Yes | |
| | TS-44 TS-879 TS-877 | | 38.00 65.00 42.00 | 40 40 40 | 88 88 88 | 4 | 180-18 90-20 90-20 | | 4 3½ 3½ | 2 | | No No No | S F F | 1½ 1½ | Yes | For GM, Ford, Chrysler, and VW cars. As above. |
| | TS-1018 TS-1250 | | 65.00 80.00 | 40 50 | 88 91 | 4 | 50-20 60-20 | | 4 5 | 2 | A A | No No | F | 1½ | Yes | For Toyotas, Mitsubishis, and Plymouths. |
| | TS-A1390 TS-469 TS-468 | | 85.00 82.00 72.00 | 100 40 40 | 90 89 89 | 4 | 45-24 50-20 50-20 | | 5¼ 4 x 6 4 x 6 | 2 3 2 | A A A | No No No | F F | 1½ 1% | | For GM and VW cars. As above, |
| | TS-467 TS-A5705 TS-A5703 | | 50.00 120.00 100.00 | 40 120 100 | 89 90 90 | 4 4 4 4 | 60-20 40-24 40-23 | | 4 x 6 5 x 7 5 x 7 | 3 | Â | No No No | FF | 1% | Yes Yes | As above. Fits 6 x 8-inch hole. As above. |
| | TS-MR165 TS-MR163 TS-W301C | 100.00 | 200.00 150.00 | 120 100 400 | 90 90 93 | | 35-21 38-20 18-3.5 ± 3 | s | 6½ 6½ 12 | 2 | Å | No No | F | 35% 51⁄4 | Yes Yes | For marine use. As above. Sealed enclosure; free-air version, Model TS-W301F. |
| | TS-W251C TS-W201C | 85.00 70.00 | | 300 250 | 91 91 | 4 | $18-4 \pm 3$ 20-5 ± 3 | S S | 10 8 | | | | | 45% 33% | | Sealed enclosure; free-air version, Model TS-W251F. Sealed enclosure; free-air version, |
| | TS-W161 TS-A1680 | | 130.00 160.00 | 150 150 | 91 91 | 4 | 30-6 ±3 35-30 ±3 | M | 61/2 | 3 | A | No | F | 2 ¹ /8 2 ¹ /8 | Yes | Model TS-W201F. |
| | TS-A1660 TS-G1622 TS-G1620 | | 105.00 70.00 50.00 | 150 60 60 | 91 92 92 | 4 | 35-25 ± 3 40-20 ± 3 40-20 ± 3 | | 6½ 6½ 6½ | 2 2 W | A A A | No No | F F F | 21/8 17/8 17/8 | Yes Yes Yes | |
| | TS-A4105 TS-A4103 TS-A4605 | | 135.00 115.00 120.00 | 120 120 50 | 92 91 89 | 4 | 38-25 ± 3 38-23 45-30 ± 3 | | 4 x 10 4 x 10 4 x 5 | 3 2 2 | A A A | No No No | F F F | 3 3 1½ | Yes Yes | |
| | TS-G1022 TS-G1020 TS-A1090 | | 65.00 43.00 85.00 | 40 40 50 | 91 90 90 | 4 | 50-20 ± 3 50-16 ± 3 50-24 | | 4 x 6 4 4 | 2 ₩ 2 | Â | No No | F F | 1¾ 1¾ 1¾ | | |
| | TS-A1070 TS-A1670 TS-A1540 | | 55.00 130.00 90.00 | 50 120 100 | 90 91 91 | 4 4 4 | 50-21 35-26 35-24 | | 4 6½ 6½ | 2 3 2 | Å | No No No | F F | 11/2 | Tes Tes | |
| POLK | C4 | 349.95 | | 200 | 94 90 | † | 35-150 Hz | S | (4) 6 x 9 12 | | | No | S F | 454 | | †2, 4, or 8 ohms. Compound isobaric, bandpass enclosure. |
| | MM 1225 MM 1200 MM 2200 | 199.00 | 79.90 119.90 | 300 75 75 | 92 92 | 4/8 | 20-750 Hz 3.5k-20k ±3 1.75k-20k | T | 12 | 2 | P A/P | Yes | F, S | 470 | Yes Yes | Midrange and tweeter module. |
| | MM 3000 MM 300 | | 179.90 159.90 | 100 | 92 90 | 4 | ±3 2k-26k ±3 150-20 ±3 | т | 31/2 | 2 | A/P | | F, S | 11/8 13/4 | Yes | |
| | MM 3500 MM 4500 MM 4510 | | 54.90 89.90 99.90 | 50 50 50 50 | 89 89 88 89 | 4 | 120-17 ±3 80-18 ±3 60-3 ±3 | w | 3½ 4½ 4½ | Ŵ | | | F F, S F, S | 1½ 1% 1% | Yes Yes Yes | |
| | MM 4600 MM 4620 MM 5000 | | 69.90 119.90 99.90 | 50 75 | 90 87 | 4 4 4 | 75-15 ±3 120-20 ±3 50-15 ±3 | | 4 x 6 3½ 5¼ | 2 W | | | F, S F, S | 2 1% 1% | Yes Yes Yes | Fits GM vehicles. Fits 4 x 6-inch hole. |
| | MM 5510 MM 5520 MM 6510 | | 119.90 139.90 139.90 | 100 75 100 | 89 89 90 | 4 4 4 | 40-3 ±3 40-20 ±3 35-2 ±3 | w w | 5¼ 5¼ 6½ | 2 | | | F, S F, S | 2½ 2½ 2¾ 2¾ | Yes Yes Yes | |
| | MM 6520 MM 6930 MM 8002 MM 1025 | 79.90 129.90 | 179.90 229.90 | 100 100 150 200 | 90 89 90 90 | 4 4 4 4 | 35-20 ±3 34-20 ±3 30-1.5 ±3 20-1 ±3 | SS | 6½ 6x9 8 10 | 2 3 | | | F, S F, S | 3 | Yes Yes | |
| | MM 1245 MM 1255 MM 2255 | 129.90 | 179.95 199.95 249.90 | 50 100 100 | 88 89 89 | | $\begin{array}{c} 20 \cdot 1 \pm 3 \\ 60 \cdot 20 \pm 3 \\ 40 \cdot 20 \pm 3 \\ 40 \cdot 22 \pm 3 \end{array}$ | ľ | 4½ 5¼ 5¼ | 2 2 3 | A/P A/P A/P | Yes Yes Yes | F, S F, S F, S | 13/4 21/2 21/2 | Yes Yes Yes | Tweeter level control. As above. As above. |
| | MM 2265 MM 3045 | | 269.90 319.90 | 100 50 | 90 88 | 4 | 35-22 ± 3 60-26 ± 3 | | 6½ 4½ | 32 | Â/P A/P | Yes | F, S F, S | 2% 1% | Yes | As above. External crossover with tweater level control. |
| | MM 3055 MM 3065 MM 3080 | | 349.95 369.95 499.90 | 100 100 150 | 89 90 89 | 4 4 4 | 40-26 ± 3 35-26 ± 3 30-26 ± 3 | | 5¼ 6½ 8 | 2 2 3 | A/P A/P A/P | Yes Yes Yes | F, S F, S F, S | 21/2 25/0 31/4 | Yes Yes Yes | As above. As above. As above. |
| POLYDAX | DTI01 TWD25M1 TW025A1 | | 70.00 75.00 75.00 | 50 50 50 | 94 92 92 | 8 8 8 | 3.5k-27k 5k-20k 5k-20k | T T T | | | | | F F F | 1 | | |
| | DW74C HIF13JVX HIF17JVX | | 35.00 99.99 110.99 | 60 30 30 | 93 87 87 | 8 4/8 4/8 | 4.5k-20k 42-5 29-5 | T W W | 5 6½ | | | | FF | 3 2½ 3¼ | | For sealed enclosure. As above. |
| | TIW60A DTW 100 TI- 25 BACAV FFFG | | 29.99 79.99 | 40 40 | 91 88 | 4/8 4/8 | 5k-20k 1.5k-20k | Ť | | | | | F | ¥4 1¥4 | | |
| PREDATOR | PFA-64 PFA-84 PFA-104 | 59.99 79.99 94.99 | | 65 80 100 | 89 90 90 | 4 4 4 | 50-5 45-5 40-3 | W W S | 6½ 8 10 | | | | F. S F. S F. S | 3 35/1 41/2 | Yes Yes Yes | |
| PREMIER | PFA-124 PFA-154 TS-W400 | 112.99 139.99 300.00 | | 125 150 500 | 91 92 96 | 4 | 35-2 30-2 15-3 | S S | 12 15 16 | | | | F, S F, S | 5 6¾ 5 | Yes Yes | |
| 1 16 MIEN | TS-903 TS-902 TS-603 | 300.00 | 140.00 100.00 130.00 | 120 100 120 | 90 93 92 91 | 4 | 30-26 35-23 35-26 | ľ | 6 x 9 6 x 9 6 ½ | 3 2 3 | Å | No No No | F F F | 23/4 23/4 23/4 21/8 | Yes | |
| | TS-602 | | 90.00 | 100 | 91 | 1 | 35-24 | | 61/2 | 2 | Â | No | ŕ | 15/1 | Yes | |
| | | | | | | 1 | 1 | | | | | 1 | | | | |

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| | | | | | Walling Man | 00m | 2. Dhins Well 1 Mg | | | | / | / , | a - (an and your a | Commune (c) Survey | i i i | Moles |
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| | | | enon, | Record in Pairs | 100 | ۶ ۲ | Therease, Dhas SP (1 W | 1900 BD | 53 | and side was | | | (i) | 200 - 20 - 20 - 20 - 20 - 20 - 20 - 20 | 3101 | Si l |
| | | /_ | a Indi | din 1 | hende. | | frequence, 0 | 5 H N | 1000 | STO. | | | 100 M | EE M M | - Centil | and a start a st |
| MANUFACTURES | Model | | 201 | 201 | | nsilin/ | Dedan Guen | | | | | | | | | ^{vollles} |
| MANUFACTURER | <u> </u> | / «· ~ | / ~ ` | 12 | 1 | <u>*/-</u> | <u>e</u> / | 13 | */ * | <u> </u> | ~/ \$ | \$ 2 | */ * | g 🖌 | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| PRESTIGE | PS-400 PS-650 | | 75.00 75.00 | 50 50 | 88 89 | 4 | 80-20 60-20 | | 4 6½ | 222 | | No No | F | 1¾ 1¾ | Yes Yes | |
| | PS-651 PS-6950 | | 95.00 120.00 | 100 | 89 92 | 4 | 50-20 45-20 | | 6½ 6 x 9 | 22 | | No | F | 2 31/2 | Yes | |
| | PS-6951 PS-6952 | | 140.00 | 150 100 | 92 92 | 4 | 35-20 40-20 | | 6 x 9 6 x 9 | 223 | | No | F | 31/4 | Yes | |
| PROFILE | \$310 \$4620 | | 19.95 29.95 | 20 30 | 89 90 | 4 | 100-18 60-20 | | 3 ¹ /2 4 x 6 | W 2 | | 1 | <u>ا</u> | 11/4 | Yes | , |
| | S410 S420 | | 24.95 | 30 | 89 89 | 4 | 80-18 80-20 | | 4 | W 2 | | | F | 13/4 | Yes Yes | |
| | \$510 \$6510 | | 24.95 34.95 | 30 30 | 90 91 | 4 | 80-18 | 1 | 5 | Ŵ | | | F | | Yes | |
| | \$6520 \$6522 | | 47.95 70.00 | 40 | 91 | 4 | 60-20 40-20 | | 6 ¹ /2 6 ¹ /2 | 22 | | Mo | F F F | 1 ⁷ /0 2 | Yes Yes | |
| | \$6530 \$6910 | | 54.95 52.95 | 50 40 | 91 92 | 4 | 60-20 40-18 | | 6 ¹ /2 6 x 9 | 3 | | No | F | 2 ⁷ /1 2 ¹ /2 2 ³ /4 | Yes | |
| | \$6920 \$6922 | | 69.95 120.00 | 50 150 | 92 95 | 4 | 40-20 40-20 | | 6 x 9 | W 2 | | | F | 21/1 | Yes | |
| | \$6930 PR01550 | 112.95 | 74.95 | 60 300 | 92 100 | 4 | 40-20 | l " | 6 x 9 6 x 9 15 | 23 | | No | F | 3 | Yes | |
| | PR01250 PR01050 | 99.95 87.95 | | 300 250 | 97 | 4 | 32-3 36-3 | I W | 15 12 10 | | | | FF | | No No | |
| | PR0840 PR0630 | 74.95 | | 150 | 93 90 | 4 | 38-4 30-2 | WWW | 8 | | | | F | | No No | |
| | PR0525 PR0415 | 50.00 | | 50 | 90 90 93 | 4 | 40-3 | M M T | | | | | F | | No | |
| | TW1A TW2 | | 59.95 39.95 | 100 | 93 93 | 4 | 2k-20k 2k-22k | T T | | | | | F | | Yes Yes | |
| DVI C | TW3 | | 24.95 | 40 | 92 | 4 | 2k-20k | T | | | P | | F, S | | Yes Yes | |
| PYLE | NW830.4 NW1040/4 | 89.95 99.95 | | 250 300 | 91 91 | 4 | 48-2.4 ± 3 46-2.4 ± 3 | 555555555555555555555555555555555555555 | 8 | | | | F | 41/0 47/4 | Yes Yes | |
| | NW1240/4 NW1540/4 PW860/4 | 115.95 | | 300 | 92 94 | 4 | 50-2.5 ± 3 43-2.5 ± 3 | S | 12 15 | [| | | F | 5 ¹ /2 6 ³ /4 | Yes Yes | |
| | PW1070/4 | 119.95 169.95 | | 280 | 93 93 | 4 | 46-2.8 ± 3 37-2.3 ± 3 | S | 8 | 1 | | | F | 4 43/4 | Yes Yes | 8-ohm version available. As above. |
| | PW1270/4 PW1570/4 PW1870/4 | 189.95 205.95 | | 420 | 94 95 | 4 | 43-2.5 ±3 47-2.5 ±3 | S | 12 15 | | | 1 | F | 5% 6½ | Yes Yes | As above. As above. |
| | PW1070D PW1270D | 239.95 | | 500 400 | 96 93 | 4 | 40-2 ± 3 60-2.5 ± 3 | S | 18 10 | | | | F | 7 ⁷ /1 4 ³ /4 | Yes Yes | As above. Dual voice-coils. |
| | PW1570D PW870/4 | 195.95 214.95 | | 420 | 94 95 | 4 | 41-2 ±3 45-2.3 ±3 | S S S S | 12 15 | | | | F | 55/8 61/2 | Yes Yes | As above. As above. |
| | PW1080/4 PW12100/4 | 149.95 229.95 | | 350 450 | 93 93 | 4 | 40-2.5 ± 3 39-2.4 ± 3 | S | 8 10 | | | | F | 4 43/1 | Yes Yes | |
| | PW12100/4 PW15100/4 PW18100/4 | 265.95 | | 500 550 | 94 95 | 4 | 41-2 ±3 47-2.2 ±3 | S | 12 15 | | | | F | 5¼ 6% | Yes Yes | |
| | DW5210/4 DW6516/4 | 374.95 39.95 | | 600 120 | 96 90 | 4 | 44-2 ± 3 75-8.5 ± 3 | S W | 18 51⁄4 | | | - | F | 7 ⁷ /1 2 ³ /1 | Yes Yes | 8-ohm version available. |
| | DW6920/4 DW820 4 | 48.95 59.95 | | 160 | 90 91 | 4 | $63-4 \pm 3$ $67-5 \pm 3$ | W | 6 ¹ /2 6 x 9 | | | | F F F | 23/4 33/4 | Yes Yes | As above. As above. |
| | DW1020/4 DW1220/4 | 61.95 70.95 | | 200 | 91 91 | 4 | $52-3 \pm 3$ 50-3.8 ± 3 | S S S | 8 10 | | | | F | 4 | Yes Yes | As above. As above. |
| | DW1540/4 DW5216/4 | 77.95 | | 240 280 | | 4 | 47-3.5 ± 3 44-3 ± 3 | S | 12 15 | | | | F | 5 ¹ /2 6 ³ /4 | Yes Yes | As above. As above. |
| | DW6520/4 DW840/4 | 47.95 58.95 | | 140 180 | 90 90 | 4 | $75-8.5 \pm 3$ $55-3.5 \pm 3$ | WW | 5¼ 6½ | | | | F | 25/8 31/4 | Yes Yes | As above. As above. |
| | DW1040/4 DW1240/4 | 83.95 90.95 | | 240 260 | 91 91 | 4 | 44-2.8 ± 3 44-2.7 ± 3 | 5 5 5 | 8 10 | | | | F | 41/4 43/4 | Yes Yes | As above. As above. |
| | DW1240/4 DW1560/4 RP6500 | 99.95 129.95 132.95 | | 280 | 92 94 | | 49-2.5 ± 3 46-2.7 ± 3 | S | 12 15 | | | | F | 5½ 6¾ | Yes Yes | As above. As above. |
| | RP800D | 172.95 | | 100 120 | 90 90 | 4 | $50-2.5 \pm 3$ | S | 61/2 | | | | S | | Yes | Dual voice-coils; tube enclosure; 80- watt powered version, \$297.95 each. |
| | RP1000D | 222.95 | | 120 | 90 | | 40-2 ± 3 | S | 8 | | | | S | | Yes | As above; powered version, \$347.95 each. |
| | ST820S ST1020S | 444.39 | 359.95 429.95 | 240 | 90 93 94 | 4 | 35-1.5 ±3 35-20 ±3 25-20 ±3 | S | 10 (2)8 (2)10 | 2 | A/P | Yes | S | | Yes Yes | Dual voice-coils; tube enclosure. Box enclosure. |
| | ST10205 | | 459.95 | 260 | 94 | 4 | $25-20 \pm 3$ 25-20 ± 3 | | | 3 | 8/P | Yes | s s | | Yes | Single-enclosure stereo version, Model ST1020, \$399.95. Par enclosure |
| | ST1220S | | 499.95 | 320 | 95 | 4 | $25 \cdot 20 \pm 3$ 20 \cdot 20 \pm 3 | | (2)10, (2)5 (2)12 (2)8 (2)10, (2)5 (2)12, (2)5 (2)15, (2)5, (2)5, (2)5, (2)15, (2)5, (2)10, (2)5, (2)10, (2)5, (2)12, (2)5, (2)5, (2)12, (2)5,(| 2 | | Yes | | | Yes | Box enclosure. |
| | HB820 HB1030 | 359.95 449.95 | | 240 | 94 94 | 4 | 30.20 ± 3 30.20 ± 3 25.20 ± 3 | | 28 | 2 3 | | Yes Yes Yes | S S | | Yes Yes | As above. As above. |
| | HB1230 | 499.95 | | 320 | 95 | 4 | 20.20 ± 3 | | 2)5 | 3 | | Yes | s | | Yes Yes | As above. |
| | HB1530 | 599.95 | | 380 | 96 | 4 | 20-20 ± 3 | | 25 | 3 | | Yes | s | | Yes | Dual-enclosure version, Model HB1230S, \$539.95. Dual-enclosure version, Model |
| 95 | HB1000 | 329.95 | | 260 | 94 | 4 | 25-500 Hz | s | 2)5 | | | 109 | s | | Yes | Hai-enclosure version, Model HB1530S, \$639.95. Box enclosure. |
| - | HB1200 | 399.95 | | 320 | 95 | 4 | ±3 20-500 Hz | s | (2)12 | | | | s | | Yes | box enclosure. As above. |
| | CP1230 | 429.95 | | 320 | 95 | 4 | ±3 20-20 ±3 | | | 3 | | Yes | s | | Yes | As above. Pre-cut sound board for Camaros. |
| | CP1200 | 299.95 | | 320 | 95 | 4 | 20-500 Hz | s | (2)12, (2)5 (2)12 | | | | s | | Yes | Pre-cut sound board for Camaros. As above, |
| | RP650 | 124.95 | | 180 | 90 | 4 | ±3 50-2.5±3 | w | 61/2 | | | | s | | Yes | As above. Tube enclosure. |
| | RP800 RP1000 | 164.95 214.95 | | 200 | 90 90 | 4 | 40-2 ± 3 35-1.5 ± 3 | Ŵ | 8 10 | | | | S S | | Yes | As above. As above. |
| | P52160 P65160 | 58.95 59.95 | 139.95 145.95 | 70 80 | 92 93 | 4 | 55-20 ± 3 55-20 ± 3 | | 51/4 | 22 | P | No No | 5 F F | 15% 23% | Yes | NV 00010. |
| (Continued) | P5710D P6810D | 55.95 56.95 | 109.95 110.95 | 70 80 | 92 92 | Ă | 60-20 ±3 60-20 ±3 | | 5 x 7 6 x 8 | 2 | P | No No | F | 23/1 21/2 | Yes | |
| 1.4 | | | | | | | | | | _ * | | | <u> </u> | - / 4 | 103 | |

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| | | | interest in the second s | | oum | um pomer | Ce Olme (1 Well 1 Meeler) 2 Rese | jire, | Towner Carl | | | | table . | Company of the second | (1) may (1) | and the second s |
| MANUFACTURER | Anone i | Price S | Price S | Recomer in Pairs | Some Changed Harin | in the second | Fernance, Olims | Bo + - | A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNE | Marcine Marcine | | Series - | and the second of the second o | Contraction of the second seco | AN A | tole |
| PYLE (Continued) | P6920D P6940D P4116D P455T P455T P455T P455T P455T P455T P455T P455T P455T P455T P455W 355W P499W P465W 355W 355W 465W 5210W 6910W 4110W K-HP523A K-HP523A K-HP523A K-HP523A K-HP523A K-HP523A K-HP5216 M510 M516 M516 M516 M516 M516 M516 M516 M516 | 89.95 99.95 99.95 59.95 45.95 45.95 46.95 47.95 58.95 26.95 15.95 28.95 26.95 24.95 27.95 24.95 26.95 24.95 27.95 24.95 28.95 24.95 26.95 32.95 34.95 34.95 35.95 85.95 43.95 34.95 41.95 43.95 43.95 43.95 44.95 44.95 45.95 43.95 45.95 23.95 23.95 32.95 23.95 32.95 23.95 32.95 | 199.95 249.95 149.95 119.95 229.95 108.95 229.95 229.95 229.95 249.95 265.95 229.95 24.95 265.95 55.95 55.95 55.29 55.95 219.95 | 130 130 200 80 40 50 50 50 140 80 80 80 80 80 80 80 80 80 80 80 80 80 | 94 94 94 94 90 91 91 95 94 93 94 93 94 93 94 91 93 94 92 92 94 90 93 94 94 94 90 90 90 90 90 90 90 90 90 90 90 90 90 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | $\begin{array}{c} 40.20 \pm 3\\ 50.20 \pm 3\\ 55.20 \pm 3\\ 55.20 \pm 3\\ 55.20 \pm 3\\ 90.20 \pm 3\\ 70.20 \pm 3\\ 40.20 \pm 3\\ 40.18 \pm 3\\ 55.18 \pm 3\\ 55.18 \pm 3\\ 45.20 \pm 3\\ 45.20 \pm 3\\ 44.20k \pm 3\\ 500.10 \pm 3\\ 4k.20k \pm 3\\ 3k.20k \pm 3\\ 4k.20k \pm 3\\ 3k.20k \pm 3\\ 3$ | T WWWMMMMTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT | 6 x 9 6 x 9 4 x 10 3 ¹ / ₂ 4 x 6 6 x 9 4 x 10 6 x 9 5 x 9 3 ¹ / ₂ 4 x 6 5 x 9 4 x 6 5 x 9 3 ¹ / ₂ 8 x 9 10 12 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | P P P P P P P P P P P P P P P | No No No No No No No No No Yes Yes Yes | | $\begin{array}{c} 3\frac{1}{2}\\ 3\frac{1}{2}\\$ | | Biamp capable; overload protected. As above. For Ford and GM cars. Metric mount basket. Overload protected. For Ford and GM cars. As above. Fits 3 ¹ /2- or 4 x 6-inch holes. Fits 3 ¹ /2- or 4 x 6-inch holes. Fits 4 x 6-inch hole. Passive radiator. As above. As above. |
| QUINN | QSMT 125 QSMT 100 QSMT 75 | 59.95 49.95 39.95 | 119.90 99.90 79.90 | 125 100 75 | 89.5 89.5 89.5 | Ŧ | $3k-20k \pm 3$ $3k-20k \pm 3$ $3k-20k \pm 3$ $3k-20k \pm 3$ | T T T | | | | | S S S | | No | †2, 4, or 8 ohms. |
| RADION | 055-10 055-10 055-4040 055-5050 055-4646 055-88 055-1010 055-1212 055-1212 055-1515 05-411 05-622 05-611 05-622 05-633 05-911 05-922 05-933 | 40.00 50.00 75.00 92.00 107.00 | 40.00 50.00 80.00 40.00 49.00 49.00 49.00 70.00 65.00 87.00 105.00 | 50 60 100 125 150 250 300 90 100 110 120 150 175 120 160 220 | | | $\begin{array}{c} 120 \cdot 16 \pm 3 \\ 120 \cdot 19 \pm 3 \\ 70 \cdot 15 \pm 3 \\ 40 \cdot 16 \pm 3 \\ 50 \cdot 19 \pm 3 \\ 40 \cdot 16 \pm 3 \\ 40 \cdot 19 \pm 3 \end{array}$ | T MW WWssss | 51/4 4 6 8 10 12 15 4 4 51/2 61/2 61/2 61/2 65/2 6 x 9 6 x 9 | 2 W 2 2 W 2 3 W 2 3 W 2 3 | | | 5 CFFP FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | | | 4 x 6-inch plate. For sealed enclosure. As above. As above. |
| REALISTIC | 12-1712 12-1859 12-1715 12-1715 12-1713 12-1713 12-1713 12-1717 12-1707 12-1707 12-1707 12-1707 12-1707 12-1707 12-1707 12-1704 40-1350 40-2054 | 41.95 61.95 49.95 79.95 | 189.95 99.95 69.95 79.95 49.95 59.95 42.95 22.95 22.95 | 100 60 40 50 60 40 15 20 15 100 120 40 60 | 93 90 95 88 95 90 92 90 86 88 86 88 86 86 | | 20-20 20-20 75-20 70-20 80-20 100-20 40-1 26-2.7 120-20 50-20 | SS | 8 9 6 x 9 5 1/4 4 1/4 3 3 8 12 4 5 | 2 3 2 3 4 3 2 2 2 | A A A A A A A A A A | , | SFFPSFS5FFFFS5 | | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Box enclosure. As above. |
| REDLINE PERFORMANCE (Continued) | RPF-60 RPF-80 SAT-16M SAT-1C SAT-1M RPF-100 RPF-120 | 59.99 79.99 94.99 112.99 | 139.99 129.99 139.99 | 65 80 50 50 50 100 125 | 90 90 92 92 92 92 92 90 91 | 44444 | 50-5 45-5 3k-20k 3k-21k 3k-20k 40-3 35-2 | W T T S S | 6½ 8 10 12 | | P P P | | F, S F, S F, S F, S F, S F, S F, S | 3 35/1 3/4 3/4 4 ¹⁵ 2 5 | Yes Yes Yes Yes Yes Yes Yes | |

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| MANUFACTURER | the could | and a state | | Rev. 1 | Wie M | enselle | Fentines Chine | | | and the second | | | and a set | | and a second | Police - A |
| REDLINE | RPF-150 GE-165LTW | 139.99 | | 1 100 | 1 92 | 4 | 30-2 | S | 15 | \leftarrow | f | | F, S | 61/4 | Yes | |
| (Continued) | GE-206R GE-408R | 65.00 80.00 | | 75 100 100 | 92 95 94 | 4/8 | 50-1 40-3 40-2 | WWW | 51/4 61/2 8 | | { | | F | 23/4 23/4 35/1 | Yes Yes Yes | |
| | GE-8SW GE-10SW GE-4010R | 85.00 120.00 110.00 | 1 | 75 100 115 | 93 93 94 | 4/8 4/8 4/8 | 35-2 35-2 35-3 | S | 8 10 10 | | | | F | 351 | Yes Yes | |
| | GE-6010R GE-7010 | 115.00 | | 130 | 95 | 4/8 | 30-3 30-3 | S S | 10 | | | | F F F | 43% 43% 41/2 | Yes Yes Yes | |
| | GE-SW7010 GE-SW4012 GE-6012R | 142.00 135.00 130.00 | 1 | 130 150 150 | 93 95 97 | 4 8 4/8 | 25-2 20-2 35-3 | <i>い い い い い い い い い い い い い い い い い い い </i> | 10 12 12 | | | : | F | 41/2 41/4 41/4 | Yes Yes | |
| | GE-7012R GE-7015R 0DI-10 | 159.00 | 1 | 175 | 98 98 | 4/8 4/8 | 35-3 27-3 | S | 12 | | | | F | 4 ⁷ /1 6 ¹ /4 | Yes Yes Yes | |
| | 0011-10 00E-10 | 210.00 270.00 300.00 | | 150 200 250 | 96 97 98 | 88 | 40-2 40-2 45-2 | 55 | 10 10 10 | | | | F | 47/1 47/1 47/1 | Yes Yes Yes | |
| | 001-12 0011-12 00E-12 | 225.00 300.00 359.00 | | 150 200 300 | 97 98 98 | 8 | 40-2 40-2 30-3 | S | 12 12 12 | ĺ | | | F | 51/2 51/2 55/1 | Yes | |
| - | 0DI-15 0DII-15 0DE-15 | 251.00 335.00 379.00 | | 150 | 97 98 | 8 | 28-3 30-3 | S | 15 15 | [| | | F | 63/1 63/1 | Yes Yes Yes | |
| | 0DE-18 GE-550S8M | 499.00 25.00 | | 300 275 50 | 99 101 91 | 8 8 8 | 25-3 23-2 500-10 | S M | 15 18 | | [| | F | 7¼ 8¼ 2¾ | Yes Yes Yes | Sealed-back midrange. |
| | GE-650SBM GE-1050SBM GE-1045R | 49.00 37.00 35.00 | | 50 50 40 | 92 91 90 | 88 | 500-8 500-9 300-10 | MM | | | | | F | 4 21/4 | Yes | As above. As above. |
| | GE-1053R SAM-1.5 | 37.00 99.00 | | 50 50 | 91 92 | 8 | 250-8 800-10 | M | | | | | F | 13⁄4 2 13⁄4 | Yes Yes Yes | |
| | SAM-2.0 OD-PMR MDT5 | 129.00 299.00 19.00 | | 65 125 40 | 93 104 91 | 8 8 8 | 750-9 200-4 5k-21k | M | | | | | F | 13/4 13/4 1/2 | Yes Yes Yes | |
| | MR-10 SR-10 HT-1 | 25.00 29.00 43.00 | | 50 50 30 | 90 92 94 | 8 | 3k-20k 2k-20k | ÌŤ | | | | | F | ¥4 ¥4 | Yes Yes | |
| | IRT-1 TCA-1 | 99.00 | | 75 50 | 93 | 8 | | I I | 1 | | | | F F F | 3 1½ ¾ | Yes Yes Yes | |
| ROADMASTER | OD-KD MT-1 RS500N | 129.00 | 20.00 | 80 30 25 | 95 91 93 | 84 | 70-15 ± 3 | H | <u></u> | | | | F | 1½ ½ | Yes | |
| | RS520N RS630 | | 60.00 60.00 | 25 80 | 92 93 | 4 | 70-20 ± 3 80-20 ± 3 | | 51/4 51/4 51/4 | W 3 3 | | No No | S S C | | Yes Yes No | |
| | RS800 RS900 RS1690 | | 35.00 60.00 125.00 | 37.5 80 100 | 93 93 93 | 4 4 4 | 70-15 ± 3 40-20 ± 3 40-20 ± 3 | | 6 x 9 6 x 9 6 ¹ /2 | 8 3 3 | | No | C C S | | No No Yes | |
| | RS1990 RS6010 RS6035 | | 125.00 35.00 60.00 | 200 25 60 | 93 93 93 | 4 4 4 | 30-20 ± 3 200-20 ± 3 100-15 ± 3 | | 6 x 9 3 | 3 W | | No | S ·S | | Yes No | |
| ROCKFORD | RS6065 SP-64TW | | 109.00 | 75 | 90 89 | 4 | 150-20 ± 3 | | 3 3½ | 3 | | No No | S S | | No | Sealed box enclosure. As above. |
| FOSGATE | SP-464TW S1-184/188 | 199.00 | 157.00 | 50 150 | 90 92 | 4/8 4/8 | 90-20 100-20 26-2.5 | s | 18 | 2 | | No No | C C C | 2 ¹ / ₄ 2 7 ¹ / ₄ | Yez Yez Yez | Midrange and twester. As above. |
| | \$1-3 \$1-4 \$1-5 | | 49.99 59.99 99.99 | 25 30 50 | 86 88 89 | 4 | 150-15 100-15 92-20 | | 31/2 4 51/4 | W W 2 | ļ. | No | C C C | 11/2 | Yes Yes Yes | |
| | \$1-6 \$1-46 \$1-692 | | 109.99 59.99 129.99 | 50 30 50 | 92 89 94 | 4 | 88-20 100-15 | | 6½ 4 x 6 | 22 | | No No | Ċ | 2 | Yes | |
| | \$1-693 BP-600 | 159.95 | 169.99 | 80 70 | 93 85 | 4 | 65-20 60-20 46-123 Hz | S | 6 x 9 6 x 9 6½ | 2 3 | | No No | C C | 3 | Yes Yes Yes | Tube enclosure. |
| | BP-1000 ND-4/8 FCU II | 249.95 415.00 | 135.00 | 100 50 200 | 92 91 93 | 4 4/8 4 | 54-126 Hz 3k-20k | S S T | 10 8 | | | No | c | 1 | Yes Yes Yes | As above. Box enclosure. |
| | FCP II FHC MPC | 265.00 | 415.00 300.00 | 300 200 | 93 93 | 4 | | | 10 8 8 | | | No No No | | | Yes Yes Yes | As above. Mono; fifth-order enclosure. |
| | R208 R308 R310 | | 300.00 360.00 420.00 | 200 | 93 93 93 | 4 | 60-20 55-20 | | 8 | 2 | | No No | | | Yes Yes | Box enclosure. Separate enclosure for each channel. As above. |
| | R312 R315 | 520.00 600.00 | | 200 350 350 | 93 93 | 4 4 4 | 55-20 45-20 40-20 | | 10 12 15 | 3 3 3 | | No No No | | | Yes Yes Yes | As above. Enclosure. As above. |
| | SP-34TW SP-44TW SP-54TW | | 136.00 146.00 157.00 | 50 50 80 | 84 88 91 | 4/8 4/8 4/8 | 213-20 84-20 95-20 | | | 2 2 2 | | No No No | C C C | 1¾ 2¼ 2¼ | Yes Yes | Midrange and tweeter. As above. |
| | SP-694TW PCH-84/88 SP-694/698 | 104.00 | 167.00 | 80 150 | 94 89.7 | 4/8 4/8 | 59-20 40-4.2 | w | 6 x 9 8 | 2 | | No | C C C C C | 4 | Yes Yes Yes | As above. |
| | SP-64/68 SP-54/58 | 87.00 87.00 | 104.00 | 100 100 100 | 94 89 90 | 4/8 4/8 4/8 | 50-6 44-4 96-6.2 | W W M | 6 x 9 6½ | | | | C C C | 3¼ 3¼ 2¼ | Yes Yes Yes | |
| | SP-44/48 SP-34/38 SPT-4/8 | 32.00 | 93.00 83.00 | 50 50 50 | 88 86 91.3 | 4/8 4/8 4/8 | 85-12 205-20 3k-20k | M | | | | | C | 2¼ 1¾ | Yes Yes | Includes Bladet We do soo |
| | The Plate 4/8 | 89.50 | | ~ | जान्य | 4/8 | 275-20 ± 3 | ' | | 2 | | No | C P | 1/2 | Yez Yez | Includes Model TX-184/188 crossover. Midrange, tweeter, and crossover on 4 x 6-inch plate. |
| | SAT 44/48 FCC | 415.00 | 315.00 | 90 | | 4/8 4 | 35-100 Hz | s | (2)8 | 2 | | No No | | | Yes Yes | Includes SP-44/48 midrange and SPT- 14 tweeter with crossover. Mono; fifth-order enclosure; fits rear |
| | SPT-14RX/18RX S1-154/158 | 129.00 | 104.00 | 50 150 | 93 | 4/8 4/8 | 2.5k-20k 25-2.5 | TS | . 15 | | | | c | 1/2 | Yes | well of Camaro. Includes crossover. |
| (Continued) | \$1-124/128 | 109.00 | | 100 | 93 | 4/8 | 29-2.5 | Ŝ | 12 | | | _ | C | 5 ^{1/2} | Yes | |

Speakers

| | / | | / | , | / | | | | / | 7 | | DRIV | ERS | | 7 | |
|-------------------------|---|----------------------------|----------------------------|-----------------------------|--|-------------------|--|--------------|---|--|-------------------|-------------------|--|---|---|--|
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| | tool tool | 100 | 11.5.5 | 10- COM | 10 Sue | | Codan, | | | | | | | | | fores for |
| MANUFACTURER | * | | 4.6 | / ² ² | <u>/ </u> | / * | ·/ | | | | | <u></u> | | Ζ. | / * | |
| ROCKFORO FOSGATE | S1-104/108 S1-84/88 | 79.00 69.00 | | 100 100 | 91 90 | 4.8 | 35-3 40-2 | s W | 10 8 | | | | C C | 4 | Yes Yes | |
| (Continued) | SPPR-64/68 PRD-184/188 | 49.00 555.00 | | 70 400 | 89 95.4 | 4/8 | 46-5 27-2.5 | ง₹₹ตร | 6 18 | | | | C | 3 744 | Yes | |
| | PRD-154/158 PRD-124/128 PRD-104/108 | 408.00 387.00 252.00 | | 400 400 200 | 93.5 92.5 92 | 4/8 4/8 4/8 | 30-3.5 31-2.5 | 35 | 15 12 10 | | | | 0000000 | 6+4 5+4 444 | Yes Yes Yes | |
| | PRD-84/88 PCH-184/188 | 205.00 272.00 | | 200 200 200 | 90 94 92.4 | 4/8 4/8 | 22-3 | ₩ S | 8 18 | | | | Č | 4 74 | Yes | |
| | PCH-154/158 PCH-124/128 | 188.00 167.00 | | 200 200 | 92.4 90 92 | 4/8 | 25-2 32-4 | S S W | 15 12 | | | | C C C | 6¼ 5 4¼ | Yes Yes Yes | |
| ROCKSTAR | PCH-104/108 RST-693HF | 135.00 | 39.00 | 150 50 | 93.5 | 4/8 | 38-4 60-20 | - | 10 6 x 9 | 3 | P | No | F | 474 | Yes | |
| | RST-525HF RST-693MX RST-4747 | | 28.00 37.00 45.00 | 50 50 60 | 93.5 93.5 93.5 | | 60-20 50-20 50-20 | | 5¼ 6 x 9 5 | 3 3 4 | P A P | No No No | F F S | | Yes No No | Box enclosure. |
| SANYO | HD451 HD452A | | 29.99 39.99 | 60 60 | 89 | 4 | 50-20 50-20 | | 4 | W 2 | | No | F | 1¾ 1¾ | Yes Yes | |
| | HD651 HD953 | | 39.99 89.99 | 60 150 | 90 91 93 90 | 4 | 45-20 40-20 | | 6 ¹ /2 6 x 9 | W 3 | | No | F | 13/4 33/4 | Yes | Pass seller escience |
| | HD152 HD652 SP420 | | 99.99 54.99 34.99 | 75 100 60 | 90 92 90 | | 70-20 45-20 80-20 ± 3 | | 5 6½ | 2 | | No No Yes | S F | 13/4 11/2 | Yes | Bass-reflex enclosure. |
| SAS/BAZOOKA | T52 T16 | 239.00 | 209.00 | 50 100 | 97 100 | 4 4/8 | 39-5 ± 3 39-1.5 | 5 5 5 | 5 6½ | | | | s s | <u> </u> | Yes | Bass Tube. As above. |
| | T62 T18 | 329.00 | 239.00 | 100 | 100 | 4/8 | 39-1.5 39-1.5 ± 3 | S | 6½ 8 | | | | S S | | Yes Yes | As above. As above. |
| | T82 T62A | 339.00 | 329.00 | 150 40 | 102 100 | 4/8 | 39-1.5 ± 3 39-250 Hz | \$ \$ | 8 6½ | | | | S S | | Yes Yes | As above. Powered mono subwoofer; variable crossover frequency; bass-reflex |
| | T62S | 129.00 | | lnc. 100 | 100 | 4 | ±3 39-1.5 | S | 61/2 | | | | s | | Yes | enclosure. Slave unit for model above. |
| | T82A | 379.00 | | 40 Inc. | 102 | 4 | 39-250 Hz ± 3 | S | 8 | | | | S | | Yes | Powered mono subwooter, variable crossover frequency; bass-reflex enclosure. |
| | T82S T102A | 169.00 449.00 | | 150 40 | 102 | 4 | 39-1.5 ± 3 39-250 Hz | s | 8 10 | | | | S | | Yes Yes | Slave unit for model above. Powered mono subwooter, variable |
| | | | | Inc. | | | | | | | | | | | | crossover frequency; bass-reflex enclosure. |
| | T102 | 229.00 | | 200 | 104 | 4/8 | 39-1 ± 3 | S | 10 | | 1.0 | | s | | Yes | Bass Tube; usable as slave unit for model above. |
| SAS/ EUPHONIC SERIES | 400R 650R 525R | | 329.00 379.00 349.00 | 100 | 87 | 4 4 4 | 70-20 ± 3 | | 4 6½ 5¼ | 222 | А/Р А/Р А/Р | Yes Yes Yes | C C C | 2 | Yes Yes Yes | |
| SAVARO | Challenger 1505 Challenger 1201 | 1010. 799.95 | | | 92 99 | 2 | 25-30 ± 3 25-30 ± 3 | | (4)15 (4)12 | 3 | | No No | | | | Box enclosure; biamp capable. As above. |
| | Hatchback 1508 Hatchback 1204 | 689.95 499.95 | | 250 300 | 92 99 | 4 | 30-30 ± 3 30-30 ± 3 | | (4)15 (4)12 (2)15 (2)12 | 3 | | No No | 1 | | | As above. Box enclosure. |
| | Hatchback 806 Split Street Beat 1005 | 379.95 | 459.95 | 200 200 | 98 99 | | 38-30 ± 3 36-30 ± 3 | | (2)8 (2)10 | 2 | | No No | | | | As above. Separate enclosure for each channel; for trucks. |
| [| Split Street Beat 805 | | 359.95 | 200 | 98 | 4 | 38-30 ± 3 | | (2)8 | 2 | | No | | | | As above. |
| | Dual 8" Coupler Dual 12" Coupler FTC 1205 | 329.95 399.95 539.95 | | 200 400 300 | 98 99 | | 38-350 Hz 30-350 Hz 30-30 ±3 | W | (2)8 (2)12 (2)12 | 3 | | No | | | | Bass tubes; includes crossover. As above. Enclosure; for Camaros. |
| | SJT 12 Street Beat 1507 | 539.95 619.95 | | 300 250 | 99 99 92 | 4 | $30-30 \pm 3$ $30-30 \pm 3$ | | 2)12 (2)12 (2)12 (2)15 | 3 | | No No | | | | Box enclosure; for Jeeps and Trackers. Enclosure; for trucks. |
| | Street Beat 1209 Split Street Beat 1204 | 509.95 | 519.95 | 300 200 | 99 99 | 4 | $35-30 \pm 3$ 36-30 \pm 3 | | (2)12 (2)12 | 3 | | No No | | | | As above. Separate enclosure for each channel; for trucks. |
| | RAP 18 HF 20 Kit | | 89.95 | 85 | 98 | 4/8 4 | 3k-23k | ¥ | 18 | | P | | FC | 3.8 | | Kit. |
| | HF 25 | | 89.95 | 95 | 94 | 4 | ±3 3k-23k | т | | | P | | F. | 34 | | |
| | MR 5 MB 5 | | 89.95 59.95 | 90 40 | 94 90 | 4 | ±3 600-6 ±3 60-5 ±3 | M | | | | | F | 2½ 2¼ | | Sealed-back midrange, |
| | MB 6 MB 10 | 69.95 99.95 | | 100 250 | 96 99 | 4 | $40-5 \pm 3$ 35-4 ± 3 | M | | | | | F | 23/4 41/2 | | |
| | CDAX 4 CDAX 5 MST 10 | | 139.95 159.95 39.95 | 45 50 150 | 90 92 95 | 4 | 55-20 ±3 48-20 ±3 | _T | 4 5¼ | | | Yes Yes | F F F | 1/2 | | For off-axis use. |
| | PRD 18" | 279.95 | 63.30 | 1k | 98 | 4/8 | 20-400 Hz ± 3 | Ŵ | 18 | | | | F | 8 | | |
| | RAP 8" RAP 10" RAP 12" | 89.95 99.95 129.95 | | 240 340 400 | 90 91 92 | 4 4/8 4/8 | 37-1.3 ± 3 32-1.3 ± 3 28-1.2 ± 3 | l | 8 10 12 | | | | FF | 3 ¹ /2 4 4 ¹ /2 | | |
| | RAP 15" PRD 8" | 149.95 89.95 | | 500 300 | 92 98 99 | † 4/8 | 25-1 ± 3 30-3 ± 3 | Ŵ | 15 8 | | | | F | 6 3½ | | †2, 4, or 8 ohms. |
| | PRD 10" PRD 12" PRD 15" | 109.95 119.95 149.95 | | 500 500 500 | 99 99 98 | 4/8 | 27-3 ±3 25-3 ±3 25-3 ±3 | W | 10 12 15 | | | | FF | 4 ¹ /2 5 6 ¹ /2 | | |
| SENNET | PRD 15" ISD SC4 | 179.95 | 80.00 | 500 80 | 98 89 | 4 | 25-3 ±3 80-21 ±3 | Ŵ | 15 | 2 | | No | F | 6 ¹ /2 | Yes | Enclosure. |
| CONCEPTS | SC46 SC940 | | 60.00 60.00 | 60 80 | 89 89 | 4 | 85-20 ± 3 70-21 ± 3 | | 3 ¹ /2 | 222 | | No No | P . | 15% 15% | Yes | |
| (Continued) | SC950 SC969 | | 75.00 125.00 | 100 100 | 90 92 | 4 | 50-21 ± 3 35-21 ± 3 | | 5 6 x 9 | 23 | | No No | F, S F, S F, S | 15/8 2 ¹ /8 | Yes Yes | |
| L | L | <u> </u> | | | | - | L | | | | | | | | • | · |

AUDIO/MAY 1992

SPEAKERS DRIVERS

| | | | 1 | / | | d unu | liem !! | , s | | | . / | | | e Oure | iumon (a) | nume of the second s |
|----------------------------|--|--|--|---|--|--|--|-----------------------|---|---|---------------------------------|---|--|---|--|---|
| MANUFACTURER | , io | Price S | Price 5 | Pecton Pairs | Walls Changed Marie | constitutity, cla | Frequence Off Wan | 80 × 144 | Month Carling | and Josephered | | | a - (| Commentante () Surger | M. Romined | Folder |
| ENNET DNCEPTS | SC80 | 120.00 | | 100 Inc. | 95 | | 20-250 Hz ± 3 | s | 8 | \square | | | s | | Yes | Powered subwoofer; tube enclosure; includes frequency-adjustable |
| ontinued) | SC65 | 90.00 | | 80 Inc. | 91 | | 35-250 Hz ± 3 | s | 61⁄2 | | | | s | | Yes | crossover. As above. |
| | SC8 | 80.00 | | 100 | 92 | 4 | 20-250 Hz ± 3 | S | 8 | | | | S | | Yes | Tube enclosure; dual voice-coils. |
| INTREK | SBT 650 SBT 810 | 149.95 | | 50 Inc. (2) 50 | 90 | 4 | 50-250 Hz 25-250 Hz | s s | 6 ¹ /4 8 | | | | | | | Powered mono subwoofer; tube enclosure; low-pass filter adjustable from 100 to 350 Hz. Powered stereo subwoofer; tube enclosure; low-pass filter adjustable |
| | SW 15 SW 12 SW 10 SW 8 SW 6 SW 5 SH 22 SH 18 | 89.95 69.95 49.95 39.95 29.95 19.95 | 49.95 69.95 | Inc. 300 250 200 150 100 80 60 100 | 95 93 92 92 92 90 90 89 | 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4 | 25-3 25-3 30-3 35-3 55-10 65-12 200-22 400-22 | S S S W M | 15 12 10 8 6 ¹ ⁄2 | 22 | A | Yes | F F F F F S | 6 5 4 2 ³ / ₄ 2 1 ¹ / ₂ | No No No No No No No | from 50 to 250 Hz. Dual-impedance voice-coil. As above. As above. As above. As above. Midrange and tweeter. Midrange and tweeter on 4 x 6-inch |
| | SH 12 SH 8 SC 585 SC 485 SC 385 SC 200 SR 698 SR 620 SR 106 SR 418 SR 419 SR 419 SR 419 SR 418 SR 314 ST 35 | 9.95 | 42.95 109.95 84.95 59.95 64.95 54.95 44.95 69.95 42.95 39.95 39.95 24.95 24.95 19.95 134.95 | 75 60 120 60 80 60 60 60 60 40 40 40 40 40 40 40 | 90 91 90 89 88 88 93 91 91 92 90 90 88 88 88 90 | 444444444444444444444444444444444444444 | $\begin{array}{c} 2k\cdot22k\\ 6k\cdot22k\\ 35\cdot22\pm3\\ 40\cdot22\pm3\\ 50\cdot21\pm3\\ 50\cdot20\pm3\\ 40\cdot20\pm3\\ 60\cdot20\pm3\\ 60\cdot19\pm3\\ 50\cdot20\pm3\\ 60\cdot18\pm3\\ 70\cdot18\pm3\\ 70\cdot18\pm3\\ 70\cdot18\pm3\\ 70\cdot16\pm3\\ 95\cdot20\pm3\\ \end{array}$ | T | $\begin{array}{c} 4 \times 5\frac{1}{2} \\ 4 \\ 3 \\ 4 \\ 6 \times 9 \\ 6\frac{1}{2} \\ 6\frac{1}{2} \\ 4 \times 10 \\ 5\frac{1}{4} \\ 4 \times 6 \\ 4 \\ 3\frac{1}{2} \\ 5\frac{1}{4} \end{array}$ | 333332222WW3 | Ρ | No No No No No No No No | 8 F 8 8 8 5 F F F F F F F F F F F F F F | 1/2 3 2 2 1/2 2 1/2 2 1/2 2 1/2 2 1/2 2 1/2 2 1/2 1/ | NO NO NO NO NO NO NO NO NO NO NO NO NO | plate. Honeycomb wooler. For trucks. |
| HERWOOD | SX-6M SX-5M SX-2T SX-1T SX-30 SX-42 SX-32 SX-52 SX-62 SX-62 SX-93 SX-10S SX-12S | 180.00 250.00 | 110.00 90.00 100.00 80.00 45.00 75.00 85.00 100.00 150.00 | 110 85 100 60 45 80 100 120 150 450 500 | 89 90 93 91 91 91 92 93 95 95 | | 35-10 40-12 1.5k-23k 3k-23k 65-20 50-22 45-22 45-22 40-22 35-22 25-3 20-3 | M T T S S | 61/2 31/2 4 5 6 x 9 10 12 | W 2 2 3 | | No No No No | FF.S S S S S S S S S S S S S S S S S S S | | Yes Yes Yes Yes Yes Yes Yes | Biamp capable. As above. As above. As above. Requires sealed or ported enclosure. As above. |
| ONY | XS-1012 XS-3012 XS-6012 XS-6911 XS-6911 XS-628 XS-44 XS-4622 XS-426 XS-628 XS-628 XS-626 XS-626 XS-625 XS-6025 XS-6025 XS-6024 XS-6024 XS-6024 XS-6024 XS-6024 XS-6025 | 90.00 145.00 | 60.00 65.00 75.00 45.00 110.00 110.00 110.00 110.00 110.00 110.00 120.00 120.00 120.00 120.00 120.00 120.00 125.00 145.00 145.00 145.00 110.00 110.00 145.00 110.00 120.00 | 50 60 60 355 40 355 40 345 80 60 70 140 150 160 120 120 120 120 150 120 120 120 120 120 120 120 120 330 5 330 5 5 330 5 5 5 5 5 5 5 5 5 5 | 89 90 91 91 88 88 88 89 90 90 90 91 91 91 92 93 88 88 89 90 90 90 90 90 90 90 88 88 88 89 90 90 90 88 88 88 89 90 90 90 90 90 90 90 90 90 90 90 90 90 | ******************* | 50-20 40-20 30-200 70-20 50-20 70-20 50-20 50-20 50-22 40-21 40-22 40-21 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 40-22 30-30 20-26 50-20 50 50-20 50-20 50-20 50-20 50-20 50-20 50 50 50 50 50 50 50 50 50 50 50 50 50 | T T T T MM WS Ss | 434499 434499 534249 534249 534249 534249 534445 534445 555 55 55 55 55 55 55 55 58 10 58 10 58 55 55 55 58 55 55 55 58 55 55 55 58 55 55 | *************************************** | А/Р А/Р А/Р А/Р А/Р | Na No No No No Yess Yes Yes Yes | | 134 17 12 234 42 145 15 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | For Audi and Mercedes vehicles. For Mazda, Ford, and Nissan vehicles For marine use. Fits 6 x 9-Inch holes. |
| OUNO BARRIER Continued) | XS-L300 VR-1000 VR-X800 VR-X700 | 340.00 | 198.00 100.00 78.00 | 300 150 150 70 | 94 | 4 4 4 4 | 18-3 30-22 30-22 | S | 12 6 x 9 6 x 9 6 x 9 6 x 9 | 3 4 3 | P P P | No No No | F S S | 53/8 | No No No | |

WIRELESS SPEAKERS

Breakthrough speaker technology sends music wirelessly throughout your home!

TECHNOLOGICAL BREAKTHROUGH

Music lover's dream! If you're a music lover you've probably considered running a maze of speaker wires all over your house or dragging your speakers from room to room so you could listen to your stereo in your living room, den, bedroom or patio. Frustrated?

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Imagine listening to music anywhere in your home or outdoors without miles of speaker wire. You could listen to any component of your stereo system (CDs, records, tapes, AM/FM stereo,... etc.) throughout your home. Like the speakers of your dreams, they have their own built-in amplifier. so you can switch them on and off and control the volume independently at each speaker. These self-amplified speakers cannot be blown out, regardless of your stereo's wattage.

"Our TV and stereo are in the same room and my husband and kids were always fighting before we got the Datawave speakers. Thanks for bringing peace to our family!" D. Lance, Madison, WI

PATENTED DESIGN

The heart of Datawave's breakthrough design is a patented FM technology which broadcasts music wirelessly from a small transmitter to satellite speakers. The transmitter, about the size of a paperback book, sends the music through walls, floors, and ceilings to the speakers and simply plugs into a headphone, audio-out or tape-out jack on your stereo, VCR or TV.



WS7 SPEAKER

Now for the big guestion-How do they sound? These speakers sound great, with deep, rich bass and crystal clear highs. You see, these speakers operate on two selectable frequencies, insuring static-free transmission throughout your home. The speakers are selfpowered, with a 150 ft, range through walls, providing total coverage in even the largest homes. These wireless speakers will belt out as much volume as you'll ever need to fill your rooms with music They even have an amazing built-in detection circuit which automatically cuts them off when you turn off your stereo.

MUSIC ANYWHERE

You can operate as many speakers as you like on one transmitter. In addition, you can utilize one transmitter to mix both left and right channels on each speaker or use two transmitters with as many pairs of speakers as you want to get full stereo separation. So place one speaker or more in a room or one speaker in every room of the house-the possibilities are limitless!

All of these wireless speakers are compatible, using the same transmitter, so you can mix and match

them to fill your home with music. So listen to

your stereo where you want, and take advantage of the following assortment of innovative wireless speakers.

• WS7, our classic wireless speaker, available in either black or white in an attractive, water-resistant en-

closure. Designed with a 360 degree sound pattern to blanket a room with clear, crisp music. Operates on 4 C-batteries, which will power the speakers for about three months, or on an optional AC adapter.

• WSH-7, our wireless shower

speaker. Listen to news or sports programs while in the shower or sing along to your favorite music. This speaker is hung directly from the shower head and is fully waterproof.



 WRS10, a wireless speaker mounted in a rock-like enclosure. The rock speaker is an ultra-realistic reinforced fiberglass boulder that contains a state of the art FM receiver and weatherproof speaker. The downward firing speaker and acoustic enclosure are designed to resonate and enhance the bass.



patio, garden, and pool areas, it blends in completely with your surroundings.

"I'm not a gadget guy, but these speakers amazed me. They're not only wireless, but sound great too!" M. Thompson, San Diego, CA

• WH200, a wireless head-

phone that allows you to enjoy private TV sound or music anywhere in or around your home.



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| Item# Description | Price | S&H |
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| WS7A extra speaker | 69 | 6 |
| WRS10 rock spkr + trans | 159 | 8 |
| WRS10A extra rock spkr | 129 | 8 |
| WSH-7 shower spkr + trans | 129 | 6 |
| WSH-7A extra shower spkr | 99 | 6 |
| WH200 headphone + trans | 69 | 6 |
| WH200A extra headphone | 39 | 4 |

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Please include your name, address, and phone # (VA add 4.5% sales tax). Send to:



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SPEAKERS DRIVERS

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| | and the second | the S | Price 5 | Record in Pairs | Wall Changed Max | Constitution of | Freedonce, Ohns Freedonce, Ohn | 90 | A CONTRACTOR | and the second | | | d = (| Communication (C) Survey | Comment of the second | Moles |
| MANUFACTURER | VR-X600 | 1 | | | ×/ 4 | | | /3 | L . | ſ | | | 1 | 3 / 4 | [| °/ |
| (Continued) | VR-X500 VR-X500 VR-X200 VR-X200 VR-X100 AR-909 AR-606 AR-505 AR-606 AR-505 AR-404 AR-303 AR-202 AR-101 SR-360 SR-320 SR-160 SR-120 | | 62.00 46.00 54.00 52.00 32.00 106.00 72.00 48.00 58.00 48.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 30.00 | 75 60 55 60 45 35 75 60 40 35 30 60 40 50 30 | | | 40-22 40-20 45-22 50-20 50-20 30-22 40-20 50-20 50-20 50-20 80-20 | | 61/2 51/4 4 x 6 51/4 4 6 x 9 61/2 51/4 4 61/2 51/4 4 61/2 5 5 | 3 3 3 3 3 3 3 3 3 2 8 2 8 2 8 3 3 8 8 8 8 | P P P P P P P P | No No No No No No No | 88888888888888888 88888888888888888888 | 1½ 1½ 1½ 1½ | No No No No No No No No No No No No | |
| SOUNDSTREAM | NT-1 SS4.0 SS5.0 SS510 SS511 SS8 SS10 | 150.00 | 190.00 115.00 130.00 319.00 419.00 | 70 50 70 70 70 200 250 | 90 90 90 90 89 90 90 91 | 4 | 2.5k-20k 70-18 ± 3 55-6 ± 3 55-20 ± 3 50-20 ± 3 37-500 Hz ± 3 22 500 H= | T W S | 4 5 5 5 8 | W 2 2 | A/P A | Yes Yes | C S F. S F. S F. S | 1/2 21/8 21/8 21/8 21/8 31/2 | Yes Yes Yes Yes Yes | |
| | SS12 SS15 | 290.00 550.00 | | 230 300 1k | 94 98 | 4 | 32-500 Hz ±3 26-500 Hz ±3 30-500 Hz | S S S | 10 12 15 | | | | F, S F, S F, S | 3 ⁷ /8 4 ³ /4 6 ³ /4 | Yes Yes Yes | |
| | SS18 Granite 8 | 795.00 | | 1k 100 | 97 90 | 4 | ±3 20-500 Hz ±3 40-500 Hz | S | 18 | | | | F. S | 8 | Yes | |
| | Granite 10 Granite 12 | 155.00 | | 200 | 93 96 | 4 | 37-500 Hz ± 3 33-500 Hz | S S | 8 10 12 | | | | F, S F, S F, S | 4½ 51/8 | Yes Yes Yes | |
| CRADITOMATIC | Granite 15 | 250.00 | | 200 | 92 | 4 | ±3 20-500 Hz | s | 15 | | | | F, S | 6% | Yes | |
| SPARKOMATIC | SK42 8525 STW800 STW650 | 79.99 | 49.99 39.99 | 50 50 Inc. | 89 90 92 | 4 | 80-20 ± 3 50-21 ± 3 30-250 Hz ± 3 | s | 4 51/4 8 | 2 2 | | No No | † F S | 13⁄4 | Yes Yes Yes | †Swivel-mount bracket. Powered subwoofer; tube enclosure. |
| | 9440 8690 8650 8400 SK693 SK692 SK63 SK415 SK410 SK400 SK400 SK300 9690 9525 9400 | 09.99 | 89.99 57.99 44.99 29.99 34.99 32.99 34.99 27.99 27.99 27.99 19.99 89.99 44.99 39.99 | Inc. 40 70 60 40 160 120 80 80 80 80 80 80 80 80 80 | 92 90 93 91 89 95.3 96.6 90 86 86 86 86 86 86 92 90 89 | 444444444444444444444444444444444444444 | $\begin{array}{c} 35\ 250\ Hz\\ \pm\ 3\\ 60\ 20\ \pm\ 3\\ 40\ 20\ \pm\ 3\\ 60\ 20\ \pm\ 3\\ 80\ 20\ \pm\ 3\\ 30\ 17\ \pm\ 3\\ 30\ 15\ \pm\ 3\\ 90\ 15\ \pm\ 3\\ 70\ 21\ \pm\ 3\\ 70\ 21\ \pm\ 3\\ 70\ 21\ \pm\ 3\\ \end{array}$ | S | 6 ¹ / ₂ 6 x 9 6 ¹ / ₂ 5 x 9 6 x 9 6 x 9 6 x 9 6 x 9 6 x 9 5 4 4 4 4 5 x 9 5 4 | 3322323WWW3222 | | No No No No No No No No | 8 84444448844444 | 334 21/4 13/4 31/2 13/4 23/1 13/4 11/2 3 11/2 11/2 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | As above. Enclosure. For pickup trucks, vans, and RVs. Drop-in dash replacement. |
| SPECO | SK5110CP A5110CPP W5CF3 G860APP G1060APP G1260APP G1580APP | 33.95 89.95 99.50 109.50 169.95 | 69.95 19.95 | 40 20 10 125 150 200 | 90 90 90 90 90 90 90 | 8 4 4 8 4/8 4/8 4/8 4/8 | 70-18 70-18 75-10 30-3 25-3 25-3 20-3 | 3333 | 5 ¹ /4 5 ¹ /4 5 8 10 12 15 | 22 | | No No No | F F F F F | 21/2 21/2 33/4 43/11 47/8 51/4 | Yes Yes No Yes Yes Yes Yes | Flange mount. Wedge kit. |
| SPL | 00KD HT-1 BT-1 PMR SPL-205 SPL-306 SPL-308 SPL-8010 SPL-8012 SPL-16012 SPL-16015 | 129.99 49.99 99.99 51.99 75.99 139.99 239.99 239.99 239.99 259.99 319.99 | | 150 80 300 120 180 250 1k 1.6k 1.6k 1.6k | 95 96 104 104 92 97 95 98 99 100 100 | 8 8 8 4 4 4 4 4 4 4 4 | 1.5k-18k 3.5k-18k 4k-22k 200-6 50-2 42-6 40-3.5 25-3 20-3 25-3 18-2.5 | T T T M M W W S S S S S S | | | P P P | | F.F.F.F.F.F.F.F.F.F.F.F.F.F.F.F.F.F.F. | 13/4 21/8 3 23/4 23/4 3 7/8 43/8 51/8 53/4 7 | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | |
| STANFCRD ACOUSTICS (Continued) | 18C500DS 15C300 12C300DS 12C300DS 12C300 10C200 15S200 12S200 10S150 8S100 15S200C 12S200C 12S200C 10S150C 8S100C | 399.95 229.95 269.95 139.95 129.95 99.95 89.95 59.95 259.95 219.95 179.95 119.95 | | 1.2k 900 900 600 600 600 450 300 600 450 300 | 99 98 98 96 97 96 96 96 96 96 96 96 96 | 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 4/8 | 24-900 Hz 23-1 27-2 28-2 25-2.5 27-2.5 38-3 28-3.2 25-2.5 27-2.5 38-3 28-3.2 | ~~~~~~ | 18 15 12 12 10 15 12 10 8 15 12 10 8 | | | | | 12 61/2 61/2 57/2 41/2 61/2 61/2 61/2 61/2 61/2 61/2 61/2 6 | | |

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|--------------------------------------|--|--|--|--|--|---|--|---|---|---|-------------|----------------|---|---|--|--|
| | | /. | Pile S Manually | Record in Pairs | Wallmonded May | tity co were | Therease St I want thereas | thi Testone | | And Size many and the second | | | a - (n | (Land Contraction of | ie in the second | 1000 - 10 |
| MANUFACTURER | Mooler | Contraction of the second | and a state | Rec. | Sileo M | - Constille | and it | | | | | | | Solution of the second | | Moles - |
| STANFORD ACOUSTICS (Continued) | 65C100 65C50M 65S50M 55S0M 4C25M 4C25M 4S25M 3S20M AMTP46 5D725B40 ATP46 TNT25B50 TNT25B50 TNT25B60 MT15 AST15 AST15 AST15 AST15 AST15 AST15 AST15 AST15 AST15 AST15 AST15 AST0BR 5S40BR 5S50BR 8S75BR DS5T | 42.95 59.95 | 119.95 99.95 49.95 55.95 29.95 21.95 21.95 59.95 119.95 14.95 42.95 34.95 27.95 34.95 65.95 25.95 21.95 21.95 | 300 100 100 50 40 40 80 80 100 75 60 40 40 40 40 20 30 80 80 80 80 100 | 98 98 90 89 100 100 91 89 92 96 96 96 96 93 92 93 93 94 89 95 | 4 8 4 8 4 8 4 8 4 8 4 8 8 4 8 8 4 8 8 8 8 | 65-3.5 85-10 75-10 160-10 200-17 200-10 200-8 20 | WWMM MMM MM MM MM MM MM T T T T T T T T | 6½ 3 6½ 8 | 2 | P P P | Yes | | 3 3 3 17/5 17/5 21/5 11/4 11/4 11/4 11/4 21/2 23/4 33/5 4 | No No No No No No No No | 4 x 6-inch plate. Midrange and tweeter. |
| TREET WAVE | TR1000 TR800 CR650 CR1000 | 249.00 | 249.00 199.00 159.00 | 125 100 50 125 | | 4 4 4 | 40-29 45-29 55-29 40-29 | | (2)10 (2)8 (2)6½ (2)10 | 2222 | | No No No | s s s | | Yes Yes Yes Yes | Enclosure, As above, As above, As above, As above, |
| YMPHONY | Baritone SY12 Baritone SY10 Tenor SY6.5 Tenor SY5.2 Alto SY4.5 | 191.00 173.00 102.00 95.00 | 139.00 | 200 200 70 60 60 | 93 93 90 94 92 | 4.8 4/8 4 4 | 18-1 25-1 25-4 50-4 150-16 | S S W M | 12 10 6 ¹ /2 5 ¹ /4 | | | | | | Yes Yes Yes Yes Yes | A |
| ARGA | AP-4 AP-5 AP-6 AP-8 AP-10 AP-10 AP-12 MM-6 MM-12 MM-12 MM-12 MM-12 MM-12 MM-12 MM-12 MM-55 AA-8 AA-10 AA AA AA AA AA AA AAA-10 AA AA AA AA AA AA AA AA AA AA AA AA AA | 30.00 35.00 40.00 90.00 120.00 40.00 50.00 92.00 107.00 70.00 70.00 90.00 | 35.00 40.00 50.00 100.00 32.00 40.00 47.00 | 75 85 125 125 125 125 125 125 125 200 275 250 60 100 275 100 275 100 275 100 275 100 120 | | ************* | 120-16 ± 3 120-19 ± 3 70-19 ± 3 70-19 ± 3 | MMWWWWSSSSTT MWWSS | 6 8 10 12 6 8 10 12 15 5 1/4 8 10 12 4 5 4 4 5 1/2 5 | 2 2 2 2 W | | | | | | For sealed enclosure. 4 x 6-inch plate. 6 x 9-inch plate. |
| | 0-62 Q-63 Q-91 Q-92 Q-93 T-6 T-8 T-10 TA-60 | 120.00 170.00 200.00 180.00 | 67.00 70.00 65.00 87.00 105.00 | 150 175 120 160 220 200 300 400 50 | 91 94 98 | 4 4 4 8 8 8 | $\begin{array}{c} 40-16 \pm 3\\ 50-19 \pm 3\\ 40-16 \pm 3\\ 40-19 \pm 3\\ 28-180 \ \text{Hz}\\ \pm 3\\ 24-200 \ \text{Hz}\\ \pm 3\\ 20-200 \ \text{Hz}\\ \pm 3\\ 28-190 \ \text{Hz} \end{array}$ | S S S | 6 ¹ /2 6 ¹ /2 6 x 9 6 x 9 7 x 9 6 x 9 7 x 9 x 9 7 x 9 x 9 x 9 x 9 x 9 x 9 x 9 x 9 x 9 x | 2 3 W 2 3 | | | 2 S S S S S | | | Ported tube enclosure. As above. As above. As above. As above; powered. |
| | TA-80 TA-100 XB-20 XB-30 XB-40 TB-25 TB-35 | 240.00 310.00 150.00 230.00 250.00 160.00 240.00 | | Inc. 100 Inc. 100 Inc. 350 400 500 350 | | 8 8 8 8 8 8 | ± 3 25-200 Hz ± 3 24-200 Hz ± 3 40-19 ± 3 35-19 ± 3 25-19 ± 3 35-19.5 ± 3 25-19.5 | S | 8 10 (2)8 (2)10 (2)12 (2)8 (2)10 | 2 | | | S S S S S S S S S S S | | | As above. As above. Box enclosure. Ported box enclosure. As above. As above. |
| | TB-45 TB-50 | 280.00 330.00 | | 500 550 | | 8 8 | ±3 25-20 ±3 25-20 ±3 | | (2)12 (2)12 | 2 3 | | | s s s | | | As above. As above. As above. |
| C AUDIO | HB103 FT102 IW82 SW82 | 400.00 | 350.00 350.00 250.00 | 200 150 150 150 | 93 93 93 93 | 4 4 4 4 | 40-20 ±3 50-20 ±3 55-20 ±3 55-20 ±3 | | (2)10 10 8 8 | 3 2 2 2 | | No No No | S S S | | No No No | Box enclosure. As above. As above. As above. |
| KTON | 18 21 | 745.00 1060. | | 600 1.2k | 90 92 | 8 8 | 12-1 12-500 Hz | S S | 18 21 | | | | S S | | No No | |
| (UMP ontinued) | THUMP-8 | 245.00 | | 175 | 96 | 4 | 20-125 Hz ±3 | S | (2)8 | | | | S | | | Isobaric cylinder enclosure. |

SPEAKERS DRIVERS

| | | | | / | | - mn | liem [| ••* | - Jan | | 1 | /_ | | | | |
|---|---|--|---|--|--|-----------------------------|--|--------------------------------------|--|--|-------------|------------------------------|----------------------------|--|--|---|
| | | / | Price S (III 25 | Sile 4 | San Channel Marin | 08.00 | Feduence, Dime | 80 × | Month of the West | All and a set of the s | | No. | Cium & Mountable | Marine (C) Surger | West Reality and the (s) and | Moles |
| | - Hoode | 111.50 | 11 5 5 11 | | in Stree | | Pedanca own i' to hick | | | | | | | | | Moles . |
| MANUFACTURER | THUMP-10 | 290.00 | 4- | 200 | 97 | 4 | 20-125 Hz | S | (2)10 | | | 5 | s | 4 | _ | As above. |
| Continued) | THUMP-12 | 339.00 | | 250 | 98 | 4 | ±3 20-125 Hz ±3 | s | (2)12 | | | | s | | | As above. |
| | TH-820 TH-1030 TH-1230 TH-1540 Pro PTH-8R Pro PTH-10R Pro PTH-12R Pro PTH-12R | 29.95 41.95 49.95 89.95 34.95 48.95 57.95 94.95 | | 175 200 250 350 175 200 250 350 | 96 96 97 98 96 97 98 98 99 | 4 4 4 4 4 4 | 30-4 30-4 24-5 24-5 30-4 30-5 24-5 24-5 24-5 24-5 | **** | 8 10 12 15 8 10 12 15 | | | | | 334 334 41/2 55% 334 334 41/2 55% | No No No Yes Yes Yes Yes | |
| TOBY | Ranger Sheriff Constable Pistol LowMan | 440.00 240.00 240.00 215.00 275.00 | | 240 120 120 100 120 | 99 94 93 91 90 | 4 4 4 4 4 | 47-110 Hz 47-110 Hz 50-140 Hz 45-110 Hz 34-85 Hz | 55555 | (2)10 10 10 8 10 | | | l | | | No No No No | Oual voice-coils. As above. As above. As above. As above. |
| TOSHIBA | TS710 TS712 TS730 TS693 TS692 TS662 TS641 | 69.95 79.95 | 279.95 129.99 99.95 79.95 49.95 | 200 300 200 150 100 75 40 | 90 90 88 90 90 90 88 88 89 | 4 4 4 4 4 4 | 28-2 21-1.5 50-22 40-20 40-20 55-20 100-20 | SS | 10 12 10 6 x 9 6 x 9 6 ¹ / ₂ 4 | 2 3 2 2 W | P P P | No No No | F F F F F F | 43/0 43/4 3 3 21/0 13/4 | Yes Yes No No No No | For trucks. |
| ULTIMATE SOUND | PW1550 | 129.95 | 45.50 | 300 | 97 | 48 | 20-2.5 ± 3 | S | 15 | | | | F | 6 | | With dual 4-ohm voice-coils, \$149.95 each. |
| | PW1250 PW1035 PW8035 PM6525 PM65210 PM5210 PM4010 | 99.95 79.95 69.95 44.95 29.95 24.95 | | 250 225 200 85 55 45 | 96 95 94 92 91 91 | 4/8 4/8 4/8 4 4 | $\begin{array}{c} 20-3 \pm 3\\ 25-3 \pm 3\\ 30-3 \pm 3\\ 40-5 \pm 3\\ 80-10 \pm 3\\ 100-10 \pm 3 \end{array}$ | S S M M M | 12 10 8 | | | | 4 4 7 7 7 | 51/4 45/8 4 3 21/4 21/8 | | As above but \$109,95 each. As above but \$99,95 each. As above but \$79,95 each. |
| | M1001 CS42 CS52 CS62 TCS852 | 19.95 99.95 129.95 179.95 249.95 | | 40 100 120 170 300 | 90 91 92 93 94 | 4 4 4 4 | $100-10 \pm 3 \\ 120-12 \pm 3 \\ 50-20 \pm 3 \\ 45-20 \pm 3 \\ 40-23 \pm 3 \\ 20-20 \pm 3 \\ \end{array}$ | M | 4 5 6 8 | 2223 | | Yes Yes Yes t | F | | | Sealed-back midrange. Tube enclosure, †Midrange and |
| | CS852 CS1052 M82S M102S | 249.95 249.95 | 169.95 199.95 | 300 300 150 175 | 94 93 93 93 93 93 93 93 | 4 4 4 4 | $\begin{array}{c} 20-20 \pm 3 \\ 20-20 \pm 3 \\ 50-20 \pm 3 \\ 30-25 \pm 3 \\ 20 25 \pm 3 \end{array}$ | | (2)8 10 8 10 | 332232 | | Yes Yes No No No | | | | tweeter can be installed separately. Woofer has dual voice-coils. Ported box enclosure. As above. As above. |
| | M103S M8HB M10HB M12HB The Box B800S | 199.95 249.95 299.95 | 249.95 119.95 | 200 150 200 250 100 | 93 93 93 95 90 | 4 4 4 4 | $\begin{array}{r} 30 \cdot 25 \pm 3 \\ 40 \cdot 25 \pm 3 \\ 30 \cdot 25 \pm 3 \\ 20 \cdot 22 \pm 3 \\ 45 \cdot 20 \pm 3 \end{array}$ | | 10 8 10 12 8 | 25222 | | No No No No | | | | As above: As above: for hatchbacks. As above: As above: Separate box enclosure for each channel. |
| | The Box B1003S The Box B821H The Box B1203H Monster MW1025 Monster MW8020 MM8012 MM1020 | 149.95 249.95 54.95 34.95 54.95 54.95 34.95 34.95 | 199.95 | 150 100 175 130 120 100 50 75 | 93 92 95 94 93 93 92 93 95 | 4 4 4 4 4 4 4 4 | $\begin{array}{c} 25 \cdot 20 \pm 3 \\ 30 \cdot 20 \pm 3 \\ 20 \cdot 20 \pm 3 \\ 20 \cdot 2.5 \pm 3 \\ 25 \cdot 3 \pm 3 \\ 30 \cdot 3 \pm 3 \\ 30 \cdot 3 \pm 3 \\ 30 \cdot 2.2 \pm 3 \\ 25 \cdot 3 \pm 3 \\ 20 \cdot 2.5 \pm 3 \end{array}$ | s s s s s s s s | 10 8 12 12 10 8 8 8 10 12 | 323 | | No No No | FFFFFFF | 3¾ 3¾ 3½ | | As above. Box enclosure; for hatchbacks. As above. |
| | MM1220 T6 T8 T12DV PB6 | 24.95 99.95 129.95 219.95 | | 90 150 350 400 70 | 95 100 101 102 | 4 | 20-2.5 ± 3 | 3 | 12 6 8 12 6 | | | | r | | | Tube enclosure. As above; with dual voice-coils, \$169.95 each. Dual voice-coils. Includes amp with high- and low-level |
| | P88 PT6 | | | Inc. 70 Inc. 70 Inc. | | | | | 8 | | | | | | | inputs; box enclosure. As above. Includes amp with high- and low-level inputs; tube enclosure. |
| | PT8 PT46 PT57 PT69 Neo-Titan | | 64.95 94.95 104.95 99.95 | 70 Inc. 50 60 75 120 | 90 92 93 92 | 4 4 4 4 | $\begin{array}{c} 60-22 \pm 3 \\ 45-22 \pm 3 \\ 40-23 \pm 3 \\ 4k-23k \pm 3 \end{array}$ | Ţ | 8 3½ 4 5¼ | | | | P P C | 21/4 13/0 13/0 5/0 | | As above. Fits 6 x 9-inch hole. Includes crossover. |
| | UT845P UT746P SST1 RT2 | | 42.95 29.95 24.95 69.95 | 75 60 60 75 | 91 97 97 92 | 4 4 4 4 | $\begin{array}{c} 2k-20k \pm 3 \\ 5k-23k \pm 3 \\ 5k-23k \pm 3 \\ 2.5k-20k \\ \pm 3 \end{array}$ | T T T T | | | | | 0000 | 7/10 3/4 | | As above. As above. As above. |
| | UT745P UT810P | | 19.95 42.95 | 50 60 | 92 96 | 4 | 1k-20k ± 3 1.6k-20k ± 3 | Ŧ | | | | | F | 5%1 7/1 | | |
| | UT996P KSN1025A | | 69.95 16.95 | 100 150 | 96 92 | 4 | 5k-22k ± 3 1.8k-30k | Ŧ | | | | | F F | 34 34 | | Piezo horn. |
| | KSN1134 | | 13.95 | 150 | 92 | 4 | ±3 1.9k-30k ±3 | Т | | | | | F | 2 | | Piezo with acoustic lens. |
| | KSN1056A KSN1005 | | 9.95 7.95 | 150 100 | 92 92 | 4 | 4k-30k ± 3 4k-25k ± 3 | Ţ | | | | | F | 2 23/4 | | Round piezo. Square piezo. |
| ULTIMATE SOUND/ NEW SUPREMES (Continued) | U6920TX U6920CX U6510TX U6510CX | | 69.95 59.95 54.95 49.95 | 75 75 40 40 | 94 94 93 93 | 4 4 4 | 20-23 ±3 20-21 ±3 20-23 ±3 20-21 ±3 | | 6 X 9 6 X 9 6 6 | 3 2 3 2 | | No No No No | F F F | 31/a 31/a 21/a 21/a | | 10 |

AUDIO/MAY 1992

| | / | / | 1 | | / | / | TT | 7 | 1 | 1 | | | VERS | | / | Inches |
|---|--|---|--|--|--|---|--|---|--|---|-------------------------|---|---|--|--|---|
| MANUFACTURER | toos | Price S | Pile: 5 | Record in Pairs) | Walls Changed May | constitution of Company | Fellengene Ort II Wall Heler | Sun this "Connect | Man and all way | with the frequencies of the | 100 100 100 2 4 4 5 1 2 | San Tanta I I I I I I I I I I I I I I I I I I I | d - (1) Walling | Concerning of Sund Drivers | A Mun Rewiner (9) Com (8) | S S |
| ULTIMATE SDUND/ NEW SUPREMES (Continued) | U5006CX U4606CX U4006CX U4006W U3506W SPD202 | | 49.95 44.95 42.95 34.95 29.95 89.95 | 35 45 45 45 45 30 50 | 92 91 91 91 91 90 92 | 4 4 4 4 4 4 | $\begin{array}{c} 25 - 21 \pm 3 \\ 25 - 21 \pm 3 \\ 25 - 21 \pm 3 \\ 30 - 18 \pm 3 \\ 35 - 18 \pm 3 \\ 45 - 20 \pm 3 \end{array}$ | ſ | 5 ¹ /4 4 x 6 4 3 4 | 2 2 2 W W | | No No No | FFF | 13/4 13/4 13/4 13/4 13/4 | | |
| ULTIMATE SDUND/ REFLEX | KL1580 KL1280 KL1050 KL8050 KM6525 KM5210 KM4010 | 219.95 169.95 139.95 119.95 59.95 34.95 29.95 | | 1k 1k 700 700 150 100 75 | 96.2 95.6 95 93 93.7 93.2 90.2 | 48 48 48 48 48 48 48 48 | $\begin{array}{c} 20-2 \pm 3 \\ 20-3 \pm 3 \\ 25-3 \pm 3 \end{array}$ | S S S W M M | 4 15 12 10 8 | 2 | | No | S F F F F F | 61/8 51/2 43/4 41/8 23/4 21/4 21/4 | | Box enclosure. Sealed-back midrange. As above. |
| U.S. BLACK MAGIC | BM-3500B BM-4000B BM-4000B BM-5250 BM-5250 BM-6400B BM-6420 BM-6420 BM-6420 BM-6420 BM-6930 BM-6931 BM-6931 BM-6931 BM-6931 BM-6931 BM-6931 BM-6931 BM-652 BM-6933 BM-1042R 250R BM-1652 BM-693 BM-692 BM-693 BM-692 BM-693 BM-655 BM-655 BM-650 BM-0642 BMA-05630 BMA-05630 BMA-85 BMA-05633 BMA-85 BMA-10563 BMA-12F | 9.95 10.50 16.50 42.00 48.95 59.95 74.95 84.95 79.95 99.95 116.95 | 42.95 49.95 55.00 59.95 69.99 68.25 79.95 122.95 145.95 169.95 89.95 99.95 99.95 | 30 40 50 50 60 70 70 70 70 70 70 70 90 90 90 130 160 220 50 60 60 60 60 60 240 3000 240 3000 70 90 90 90 90 120 150 160 120 160 240 240 300 240 240 300 240 240 20 50 50 60 80 90 90 90 90 90 90 90 90 90 90 90 90 90 | 90 89 90 90 91 91 91 91 92 93 93 93 91 92 90 90 90 90 90 91 90 90 91 91 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | $\begin{array}{c} 120.18\\ 90.18\\ 80.22\\ 65.20\\ 65.19\\ 65.18\\ 65.20\\ 55.22\\ 38.20\\ 39.20\\ 45.30\\ 35.20\\ 35.20\\ 35.20\\ 30.18\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 35.20\\ 30.20\\ 45.3\\ 45.20\\$ | ₩SSS M SSSSST SSS | $3\frac{1}{2}$ 4 $5x^{2}$ $5x^{2}$ $6\frac{1}{2}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{10}$ 12 $6x^{9}$ $8x^{12}$ $8x^{1}$ $8x^{1}$ | W W 2 2 2 W 2 3 2 3 2 3 2 3 2 3 2 3 2 3 | P | No No No No No No No No No No No No No N | | | N a N a N a N a N a N a N a N a N a N a | Midrange and tweeter. |
| J.S.D. Vieta Visonik | WaveGuide USD15pro USD12pro USD10pro USD8pro USD1040 USD1040 USD1060 USD1260 USD1240 L120XAL DAVID 5001 | 430.00 340.00 290.00 80.00 200.00 100.00 150.00 200.00 130.00 180.00 | 1500.00 | 100 400 300 100 150 150 200 200 150 250 | 110 105 100 91 89.6 91.5 93.3 94.7 89.8 94 94 | 8 4/8 4 B 4 B 4 8 4/8 4/8 6 6 6 4/8 4/8 4 | $\begin{array}{c} 600 \cdot 20 \ \pm \ 3\\ 20 \cdot 3 \ \pm \ 3\\ 20 \cdot 3 \ \pm \ 3\\ 30 \cdot 5 \ \pm \ 3\\ 30 \cdot 5 \ \pm \ 3\\ 30 \cdot 1.8 \ \pm \ 3\\ 20 \cdot 3 \ \pm \ 3\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\$ | 555 55 55 55 55 55 55 55 55 55 55 55 55 | 15 12 10 8 8 10 10 12 12 12 13 | | | | S F F F F F F F F F | 5 4 3 3 3 4 4 4 4 4 5 1/2 | No No No No No No No No | 2 ¹ / ₂ x 18-inch midrange tweeter driver 10-inch-deep enclosure for under-dast mounting. |
| | DAVID 5001 DAVID 5202 DAVID 5202 + DCN DAVID 7200 | | 370.00 260.00 280.00 420.00 | 50 60 80 100 | 82 85 84 88 | 4 4 4 | 50-25 50-20 50-20 50-20 | | 4 4 5 ¹ ⁄4 | 2 2 2 2 2 2 | | No No Yes | S P t | 1½ 1½ 2½ | Yes | Includes external crossover. †Flush-mount wooler, surface-mount |
| VEST COAST UDIO LABS | SP400 SP500 SP500 LF400 LF600 HF13 HF20 SF20 SF25 HP1004 | 179.00 229.00 279.00 | 79.00 119.00 159.00 29.00 69.00 89.00 119.00 | 75 120 150 75 120 150 30 70 50 75 300 | 89 92 91 90 89 92 93 92 92 92 91 | 4 4 4 4 4 8 4 4 8 4 | 55-20 40-20 33-20 55-4 40-4 33-4 2.5k-20k 2.5k-20k 2.5k-20k 2.5k-20k 18-4 | W W W T T T T S | 41/2 51/4 61/2 41/2 51/4 61/2 | 2 2 2 2 | P P P | Yes Yes Yes | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 21/4 23/8 27/6 21/4 23/8 27/6 5/8 3/4 7/8 1 | | tweeter. As above. |
| AMAHA | YCS-3030 YCS-3510 YCS-4021 YCS-4040 YCS-4621 YCS-4625 YCS-5020 | | 60.00 50.00 80.00 80.00 100.00 70.00 90.00 | 40 50 80 80 70 70 80 | 93 90 89 88 89 87 90 | 4 4 4 4 4 4 4 4 | 6k-20k 80-20 70-20 70-20 70-20 70-20 70-20 60-20 | T M | 3 ^{1/2} 4 4 x 6 4 x 6 5 | W 2 2 W 2 | | No | S F F F F F | 13/4 13/4 13/4 13/4 15/8 15/8 15/8 15/8 13/4 | Yes Yes No Yes No Yes | Includes crossover. Fits European cars. |

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Speakers

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| | | / | Price S (11 S.S. | (Elle | A Contraction | | Fernance, Olms | 940 AD | | | | | and the second | 23.2 | / | eed? |
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| MANUFACTURER | f | 1 | 90.00 | 100 | | 4 | 60-18 | M | <u> </u> | | | / 5 | F | 14 | No | |
| VAMAHA (Continued) | YCS-5050 YCS-6010 YCS-6020 | | 70.00 | 80 120 | 88 92 92 | | 50-20 50-20 | | 6½ 6½ | W 2 | | l | F | 1 3 /4 1 3 /4 | Yes | |
| | YCS-6022 YCS-6060 | | 150.00 120.00 | 120 100 | 90 90 | 4 | 55-20 55-18 | | 6½ 6½ | 2 | | | F | 1 3/ 4 13/4 | Yes | |
| | YCS-6920 YCS-6921 | | 120.00 | 180 180 200 | 93 93 | 4 4 | 35-20 35-20 | | 6 X 9 6 X 9 8 | 22 | | | FF | 27/8 27/8 31/2 | Yes Yes Yes | |
| r F | YCS-800 YCS-1010 YCS-1212 | | 200.00 240.00 250.00 | 200 200 200 | 93 93 92 93 91 | 4 | 20-1 35-1 35-1 | W 5 5 | 10 12 | | | | F | 41/8 41/2 | Yes | |
| | YTB-A100 YHB-A880 | 325.00 | 350.00 | 200 200 | 91 92 | 4 | 60-20 50-20 | | 10 (2)8 (2)10 | 2 2 3 | | | · | | No No | Box enclosure; for trucks. Box enclosure; for hatchbacks. |
| Z-BOX | YHB-A1010 C4/911-UDF2 | 450.00 | 800.00 | 280 150 | 93 89 | 4 | 40-20 150-21 | \square | (2)10 | 3 | t | No | s | | No | As above. Replaces upper door panels of Porsche |
| | | | | | | | | | | | | | Ι. | | | Carrera C2 and C4 and Porsche 911. †Angled midrange and tweeter. |
| | C4-CSW | 1050. | 800.00 | 300 400 | 89 90 | 4 | 40-200 Hz 30-200 Hz | 5 5 | 8 10 | | | | S S | | | Replaces rear side panels of Porsche Carrera C2 and C4 and Porsche 911. Replaces rear seating of Porsche |
| | C4-SW-2 911C-R3(A) | 1250. | | 500 | 90 89 | 4 | 40-21 | | 8 | 3 | t | No | s | | | Carrera C2 and C4 and Porsche 911. Enclosure; replaces rear deck of |
| | | | | | | | | | , in the second | | | | 1 | | | Porsche 911. †Angled midrange and tweeter. |
| | 928-S4-SW | 650.00 | | 300 | 89 | 4 | 40-200 Hz | 8 | 8 | | | Ma | s s | | | Enclosed subwooter; replaces rear wall panel of Porsche 928 and 928S4. For upper door panels of Porsche 928. |
| | 928-F2 928-R2 | | 450.00 525.00 | 150 150 | 89 89 | 4 | 150-21 | | | 2 | t t | No No | s | | | Angled midrange and tweeter. |
| | | | 020.00 | | | | | | | | • | | | | | Porsche 928. †Angled midrange and tweeter. |
| | MON-UDF2 | | 750.00 | 150 | 89 | 4 | 150-21 | | | 2 | t | No | S | | | Replaces upper door panels of Ferrari Mondial, †Angled midrange and |
| | MDN-SW | | 750.00 | 300 | 89 | 4 | 50-200 Hz | s | 8 | | | | s | | | tweeter. Enclosed subwooter for Ferrari Mondial |
| | 348-F2 | | 750.00 | 150 | 89 | 4 | 150-21 | | | 2 | t | No | s | | | console. Replaces upper door panels of Ferrari 348. †Angled midrange and tweeter. |
| | 348-R2 | | 425.00 | 100 | 89 | 4 | 200-21 | | | 2 | t | No | s | | ſ | Enclosure for rear deck of Ferrari 348. †Angled midrange and tweeter. |
| | 348-SW | 500.00 | | 300 | 88 | 4 | 60-200 Hz | S | 6 | | | | F | | | Enclosed subwoofer for Ferrari 348 console. |
| | 348-SW-2 | 1000. | | 600 | 89 | 4 | 40-200 Hz | \$ | 6 | | | | S | | | Enclosed subwooler for rear storage shelf of Ferrari 348. |
| | SL-500-SW | 1000. | | 800 | 95 | 4 | 30-100 Hz | 8 | 10 | | | | s | | | Enclosed subwoofer; replaces rear storage compartment of Mercedes SL-500. |
| | 300E-R3 | 1300. | | 500 | 89 | 4 | 50-21 | | 8 | 3 | t | No | s | | | Enclosure; replaces rear deck of Mercedes 300E. †Angled midrange and |
| | 300CE-R3 | 1300. | | 500 | 89 | 4 | 50-21 | | 8 | 3 | t | No | s | | | tweeter. Enclosure; replaces rear deck of |
| | | | | | ļ | | | , | | | | | | | | Mercedes 300CE. †Angled midrange and tweeter. |
| | M5-F3 | | 750.00 | 500 | 89 | 4 | 60-21 | | 6 | 3 | | No | S | | | For front doors of BMW M5. †Angled wooler, midrange, and tweater. |
| | 635-UDF2 635-R3 | 1200. | 750.00 | 150 500 | 89 | 4 | 40-21 | | 8 | 2 | ET. | No | s | | | 635. †Angled midrange and tweeter. Enclosure; replaces rear deck of BMW |
| | | 1100. | | | 90 | | 30-21 | | 10 | 4 | | No | s | | | 635. †Angled midrange and tweeter. Enclosure for rear hatch of Corvette; |
| | VET-R4 | 1100. | | 1.2k | 30 | | 30-21 | | | | | | ľ | | | amp rack space provided. †Angled subwoofer, woofer, midrange, and |
| | VET-F2 | | 425.00 | 150 | 89 | 4 | 150-21 | | | 2 | t | No | s | | | tweeter. For upper door panels of Corvette. |
| | TA-SW-2 | 750. | | 800 | 90 | 4 | 35-20C Hz | s | 15 | | | | s | | | tAngled midrange and tweeter. Enclosed subwoofer for rear storage |
| | T-Bird F-3 | | 800.00 | 100 | 90 | 4 | 150-21 | | | 3 | A | No | s | | | compartment of Camaro and Firebird. Enclosure; overlays front half of |
| | T-Bird R-2 | | 475.00 | 60 | 90 | 4 | 150-21 | | | 2 | Ť | No | s | | | Thunderbird doors. For rear seat back of Thunderbirds. |
| | Mustang F-3 | | 550.00 | 100 | 90 | 4 | 150-21 | | 6 | 3 | | No | s | | | †Angled midrange and tweater. Enclosure for Mustang doors, †Angled |
| | Mustang F-3 Mustang SW-2 | | 550.00 | 300 | 90 | | 30-200 Hz | 8 | (2)8 | | 1 | | s | | | midrange and tweeter. |
| | TA-F3 | | 450.00 | 60 | 89 | 4 | 150-21 | | | 3 | + | No | s | | | area. For Trans Am doors, †Angled wooler, |
| | | | | | | | 150-21 | | 6 | 3 | | No | s | | | midrange, and tweeter. For doors of Nissan 300ZX, †Angled |
| | 300ZX-F3 300ZX-R2 | | 550.00 400.00 | 100 60 | 90 89 | | 150-21 | | | 2 | | No | s | | | midrange and tweeter. Replaces panel behind front seat of |
| | | | | | | | | | | | | | | | | Nissan 300ZX. †Angled midrange and tweeter. |
| | 300ZX-SW2 | | 550.00 | 300 | 90 | 4 | 30-200 Hz | S | (2)8 | | | | S | | | Separate enclosure for each channel; for corners of Nissan 300ZX cargo area. |
| | 2000-LDU | | 450.00 | 800 | 89 | 4 | 80-21 | | 6 | 2 | t | Ne | s | | | Enclosure for lower doors, †Angled |
| | 628-LDU | | 400.00 | 400 | 89 | 4_ | 80-21 | | 6 | 2 | t | Ne | s | | | wooter and tweeter. As above. †Angled wooter and tweeter. |
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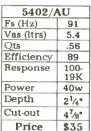
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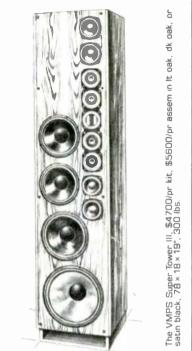
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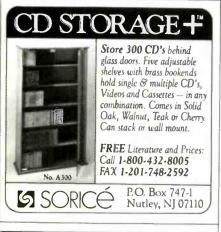
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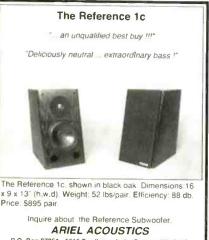
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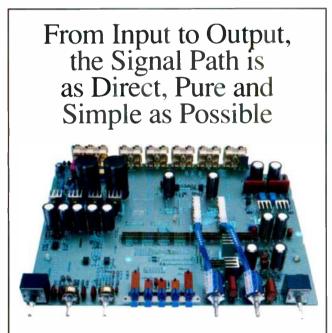
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