

If your audio components are not absolutely the best they can be, try ours.



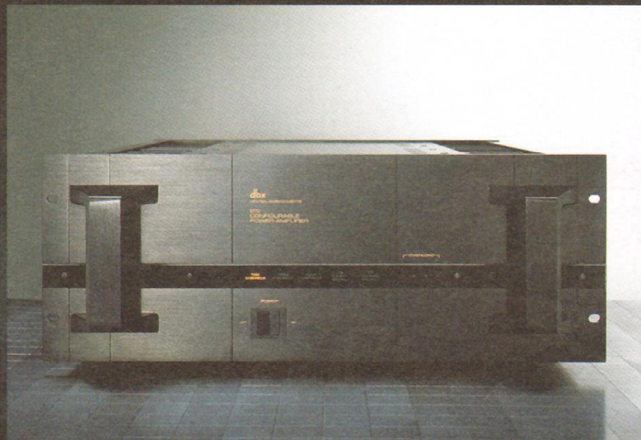
dbx. Our name has become synonymous with professional level sound processing equipment. Twenty years ago we introduced a superior studio-use noise reduction unit, and ever since we have been committed to manufacturing the highest quality componentry for both professional engineers and the audio enthusiasts alike.

Take for example our BX-1 Power Amplifier. With multiple capability, this truly remarkable unit provides power for 2, 3 or 4 channel configurations. A genuine hand-crafted component, this amplifier features a heat sink assembly made up of fins which are individually inserted by hand and then actually tuned, much as a musical instrument would be, to ensure peak performance for virtually perfect sound amplification.

And, of course, there's our CX-1 Preamplifier with full audio/video capability. This beautifully finished component features an advanced digital surround sound processor and quality professional grade electronic components and construction.

Whether in professional use sound processing equipment for the studio, or thoughtfully executed componentry for the discriminating listener, all dbx products feature the same exacting design policy that ensures the highest level of quality available in music reproduction systems today.

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BX-1 Configurable Multi-Channel Amplifier
* 2, 3, or 4 channel capability * Low-impedance matching configuration drives loads up to 1 ohm * Hand-inserted, sound-tuned heat sink fins * Continuous RMS power of 400 watts per channel in stereo, and 125 watts x4 in the 4-channel mode * Output current capability of 100 amperes



CX-1 Audio/Video Preamp
* Digital Dolby Prologic Surround and ambience recovery circuitry * Connections for phono, tuner, CD, video disc, audio processor, video recording, and video play * Discrete MM and MC cartridge head amplifier construction



TX-1 FM/AM Stereo Tuner
* Quartz digital synthesizer with 6 FM and 6 AM presets * Accurate rotary tuning control knob * Auto IF Bandwidth and specially designed Schotz noise reduction

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Power Amplifier

BX-3MkII

The BX-3 MkII is a remarkable unit designed for the demanding dynamics of digital audio. With four independent power amplifiers, it's as versatile as it is powerful. The BX-3 MkII can be used as either a 2-channel stereo amplifier, a 3-channel amplifier with subwoofer output, or a 4-channel amplifier for stereo with surround sound or discrete 4-channel playback. As the power source for a conventional two-speaker stereo system, the BX-3 MkII's four separate amps are bridged into two through BTL, or Bridged Transformer-Less operation. The result is a terrific 400 watts per channel, continuous RMS, at 8 ohms, from 20Hz to 20,000kHz with no more than 0.01% total harmonic distortion. At 4 ohms, dynamic power is 800 watts per channel; at 2 ohms an astonishing 900 watts per channel. BTL connection also assures low

noise because it allows one of the paired amps to double as a phase inverter; since an extra phase converter isn't needed, inherent noise is reduced.

For surround sound stereo or a discrete 4-channel system, leave the four amps separate to drive the front and rear speaker pairs independently with a generous 125 watts per channel, continuous RMS, from 20Hz to 20kHz with 0.003% total harmonic distortion. The BX-3 MkII can also be used in a 3-channel system with 125 watts/channel stereo plus a powerful 400 watt subwoofer output.

How has dbx accomplished so much in a single unit? Two design innovations have contributed to creation of the BX-3 MkII. One is the advanced power supply system which uses four separate power supplies along with a high-regulation power

transformer. Another innovation is the use of 16 high-power transistors, each with a high P_c (corrector power loss) of 150 watts, in parallel push-pull configuration. Plus, all four amps have DC configuration, each with a dual-FET input stage. Additional features include separate volume controls for each channel, LED indication of driven speakers and engaged amps, and two large meters with $\times 1.0$ and $\times 0.1$ positions to show instantaneous peak power output, channel by channel, for either the front or rear. For remarkable versatility, four sets of speaker terminals in each of the A and B groupings allows connection of up to eight or four pairs of speakers at once. Finally, wooden side panels add just the right touch of warmth to this high-tech power amplifier.



Power and versatility—a winning combination

Control Amplifier

CX-3MkII

Here is a really flexible and sophisticated component. Whether used as a control center for a video system, or as a control/preamplifier in a high level audio system, the CX-3 MkII is superbly convenient and versatile.

"Dolby Surround" for decoding Dolby-encoded soundtracks of motion picture videos, "Matrix" and "Hall" for music videos and live performances, and "Simulated



Stereo" which synthesizes stereo effects from mono soundtracks—these four

innovative modes are all incorporated into the CX-3/MK II. The performances that results from these four modes brings all the excitement of live entertainment and the drama of movie theaters into your listening room.

The design theme of versatility continues with connection capability for as many as two audio decks and two video decks, allowing multi-combination mixing of both sources. In addition, there are inputs for tuner, CD, and video disc, along with a set of monitor outputs. And, the built-in high gain phono equalizer assures compatibility with both MM and MC phono cartridges. You can also patch in an external processor such as a dynamic range controller, permitting you to monitor or record a program with or without processing. An independent record output selector allows you to listen to an audio

source while recording video tapes.

The advanced power supply has three separate regulators: one each for phono equalizer, tone control circuit, and surround sound processor. In this way, each operates independently and without interference from the other two. Each of the video circuits has a buffer amp to compensate for signal loss and to ensure image fidelity. Similarly, audio and video circuits are isolated to prevent deterioration of sound and picture quality.

Other features include a BGV button which enables video playback with an alternate soundtrack for "background video" enjoyment, separate tone controls for bass, mid-range, and treble, and a muting switch. A handy remote controller is also provided, while the added touch of finely crafted wooden side panels help add a sophisticated finish to the CX-3 MkII.



Total AV integration—total control

Quartz Digital Synthesizer Tuner

TX-3

The TX-3 has everything you've come to expect in a high quality quartz digital synthesizer tuner, and then some. Features include preset of up to 8 FM and 8 AM stations for instant one-touch tuning, and automatic next station tuning at the push of a button. Manual tuning is provided through a rotary knob which allows total control and surprisingly accurate operation when compared to the awkward up/down tuning controls found on less innovative tuners. Auto IF (Intermediate Frequency) Bandwidth assures the finest sound from each and every station received. Normally set wide for the highest fidelity obtainable, narrow bandwidth is automatically set at the very instant that sufficient interference is detected. This assures an absolute

minimum of reception distortion. dbx SNR noise reduction, using the same principle that our landmark "Studio" use noise reduction systems introduced, eliminates hiss and annoying high frequency noise which can be heard in virtually all FM programming. The optimum in FM reception is yours thanks to a variable frequency single-pass processor that removes only unwanted noise, without affecting frequency response or separation of the music signal. Finally, in the event that the signal is too weak, an Auto Hi-Blend mode is automatically engaged to eliminate excessive noise. Versatile controls such as mono/stereo option, muting, and output level are included, along with full remote control capability through the CX-3 MkII control

amplifier's remote controller. Assuring a pleasing blend with this full system of dbx components, the TX-3 also features wooden side panels.



Professional quality sound from AM/FM—the dbx difference

P Professional Power Amplifier

4320

While it is a commonplace for manufacturers of ordinary audio componentry to occasionally boast the "professional" quality of their products, dbx Professional Use equipment reflects accurately the origin of our company. Because we entered the market as designers and manufacturers of studio recording equipment, and then expanded our production to eventually include a full line of componentry for enthusiasts, it is correct to say that Professional Use is at the root of dbx design. This is the 4320. It is a Professional Power Amplifier. It is the optimum center for practically all professional audio applications, from permanent installation in the recording studio to medium sound reinforcement use. It can be used in three

different output configurations: 4, 3, and 2 channel. Its output load selector permits the engineer to drive low impedance speaker systems, down to 2 ohms, with full power output and current, and with no resulting overheating or shut-down. The inclusion in the 4320 of one pair of MOS FETs in parallel push-pull configuration for each channel ensures the highest current capability, as well as unequalled sonic performance. The 4320's power supply unit incorporates an enormous toroidal transformer which delivers a confident 350 watts per channel of power output in its 2 channel bridge connection mode at 8 ohms, and 120 watts per channel in 4 channel drive at 8 ohms. The demands placed on professional use equipment require rugged construction

and multiple protection systems. The 4320 is all but combat ready. In addition to the use of a cooling fan to prevent the possibility of amplifier overheating, there is added protection against overcurrent and DC offset.

XLR and phone jack input connectors are just a few more of the features that serious professionals can look for in the 4320, with the rear panel cannon connectors proving the ultimate dependability of this unit. Finally, the sturdy rack handles ensure transport and placement ease of this hefty amplifier.

When we use the word "professional" to describe the 4320, we are not boasting. After all, we're talking about dbx.



Purely professional—a dbx tradition

C compact Disc Player

The dbx DX5 lets you customize the sound of your Compact Discs—add more impact when it's lacking, tame dynamic range when it's too much, remove the "edge" that occurs in the sound of some CDs. You won't find another CD player that gives you this much control over digital sound.

First, the dynamic-range compressor lets you trim dynamic range by making soft sounds louder and loud sounds softer. It comes in handy when you want to bring out the softer sounds in music, when you want to listen to music at low levels, and when you want to dub CDs onto tape (for play in a car, for instance).

Second, the DAIR (Digital Audio Impact

The DX5 is made for better digital sound, of course. For one, it uses our 16-bit quadruple "oversampling" digital filter. Operating at a sampling frequency four times higher than normal, both stereo imaging and transient response are improved. For another, a dual 16-bit D/A (Digital-to-Analog) converter reduces "glitch" noise and improves high-frequency response. The 3-beam laser pickup ensures precise tracking accuracy and makes the unit less prone to tracking errors caused by disc eccentricity, warp, scratches or dirt.

Our CD player offers amazing convenience, too. A remote, with a numeric keypad, lets you handle almost any player

Definitive digital sound plus flexibility



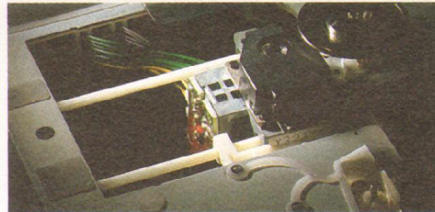
Recovery) adds more impact to digital sound. This is particularly useful when playing discs of "oldies" and "classics" recorded in pre-digital days. The dbx DAIR simply restores peaks lost or limited during mixing and mastering by emphasizing the attack of transient sounds for more impact. Third, the ambience control removes rough edges heard in some CDs by blending the left and right channel information. As you adjust ambience, you control the width of the sound "stage" as well, from wide to narrow.

operation right from the comfort of your chair. And the DX5 comes with more: 16-track random-access programming, 3-way repeat (a single track, a phrase between two points, or programmed tracks), track skip, search, and index search. The multi-way display shows track numbers, elapsed time, remaining time (for both disc and track), and other important information. And there's an LED "dynamics" display to show the operation of the built-in processors.

DX5/DX900

Here's a CD player with everything you need for pure and dynamic sound. If you're a digital purist, take a listen to the DX900 from dbx.

For mechanical rigidity and accurate performance unimpeded by vibration, we've come up with the "ZS" mechanism for the DX900. In it, the transport for our 3-beam laser pickup is made of a new material called zirconia ceramics. Highly



resistant to abrasion and extremely smooth, it runs the pickup with the least possible resistance over longer periods of time. The ZS mechanism also features a pickup deck made of two different materials in a "hybrid construction," to damp spurious vibration and resonance. We've fashioned spacers for the circuit board and the insulation feet out of fine ceramics, again to damp shock, vibration and resonance. Audibly better sound results.

Improvements extend to circuit designs, too. A 16-bit quadruple oversampling digital filter, operating at four times the normal sampling frequency, is combined with a gentle-slope 3rd-order Bessel analog filter, to provide accurate phase response and low noise. Twin 16-bit glitch-free D/A (Digital-Analog) converters, one for each channel, prevent phase difference between channels and end glitch noise for smoother and well-defined sound. To shut out interference, we've separated the power supply for digital circuitry from one for analog. And to enhance purity of the signal, we've optically coupled the emphasis circuit with the output mute circuit. It all adds up to a sound that's extremely pure and clean.

The DX900's ease of operation is represented by a friendly display where messages in plain English ("WELCOME," "SET DISC," etc.) are shown. Another section of the front panel is an illuminated "calendar"-style display with twenty keys. It serves as a bulletin board to show which tracks are programmed, which are played, etc. The keys are "direct call," which means that play starts right the moment they are pressed. There's a third display that shows the play time of a track in play, a disc's total play time, etc.

Notable convenience features include 24-track programming, index search, "BGM" (playback of tracks in random order), 3-way repeat (a single track, all tracks or A-B), a full-function remote control with 20-key numeric pad, a digital output terminal, and a headphone jack.

in operation and sound control



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Soundfield Imaging Speaker Systems



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Radiation patterns

Computer-designed lifelike sound imaging—a dbx breakthrough

As innovators of professional sound processing technology, we at dbx are obsessed with ideal sound image realization. Toward this end, we have developed an innovative speaker design that we are confident will bring us closer to the ideal.

Imagine a speaker system that actually increases the "sweet spot" area, that listening zone where stereo imaging is optimal. Conventional format speakers create a limited sweep spot due to the frontal placement of drivers, and the listener is virtually trapped in sound confinement just to hear optimum stereo imaging. The concept behind Soundfield's design, however, is as revolutionary as it is ingenious. For example, the Soundfield 50's feature a patented design that escapes from the conventional square box format, and incorporates a five sided cabinet with futuristic diamond dimensions. One tweeter is placed on the outer side panel of each speaker. These tweeters face perpendicularly away from the sweet spot. Another tweeter is placed on each of the speakers' out-facing panels, projecting their sound diagonally away from the sweet spot. At right angles to each out-facing panel is an in-facing one that confronts the sweet spot area directly. On each of these panels are placed a tweeter, a mid-range driver, and a woofer in vertical in-line configuration.

The effect? Because of the out-facing tweeters and in-facing three way configuration, the Soundfield system creates a much more expansive sweet spot area, freeing the listener from the confines of conventionally limited listening environments. The higher frequency sound quite literally seems to be coming from all around, much as it would at a live performance, while at the same time, the full aspect of the sound is immediately in front of the listener, just as at a stage performance.

While the concept may seem simple, the execution was not. In order to achieve the desired radiation pattern for Soundfield Imaging, the speakers had to be computer-designed. The tweeters, the mid-ranges, and the woofers had to be perfectly matched and balanced. The frequency response, phase response, dispersion, and power handling capability of all of the drivers were painstakingly worked out with a computer-aided design system.

The woofers feature large diameter voice coils with an extra long excursion for exceptionally low distortion and high power handling. Each mid-range driver has a large-magnet structure employing ferrofluid-cooling that is sealed in its own fiber-filled acoustic suspension chamber for tremendous power handling, ideal resonance control and damping, and minimal IM distortion. And because of their key role in the Soundfield concept, the tweeters have wider sound dispersion than any other comparably sized tweeters, and also feature ferrofluid cooling, oversized magnets, and 2-layer copper voice coils for low burnout potential. Their integral mylar diaphragm/bobbin means very low mass and superb transient response. Imagine a speaker system that sounds absolutely alive from almost anywhere in the listening room. Imagine the dbx Soundfield Imaging Speaker System in your home.

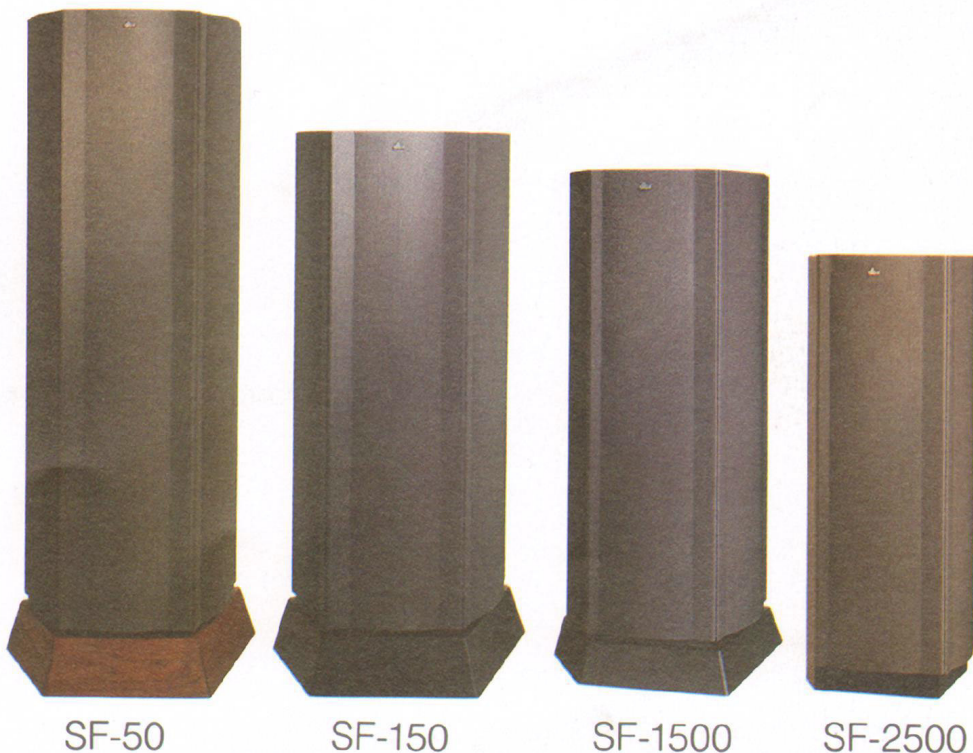
SF-50 The dbx SF-50 Soundfield Imaging Speaker System is the largest of the Soundfield series, with generous 48.5"×20.5"×16" cabinets containing an impressive 3-way configuration in the form of a big 10" woofer, two different mid-range drivers, and high-performance tweeter. Frequency response is 34Hz–20kHz, ±2.5dB. Maximum power handling capability is 400 watts at 4 ohms. Adding to its impressive look is walnut finish or professional-looking black finish cabinetry.

SF-150 Here is another fine Soundfield Stereo Imaging Speaker System in a 3-way configuration. Each cabinet houses a big 10" woofer, a mid-range driver, and three 1/2" tweeters for sizzling high-frequency performance. Frequency response is 39Hz–20kHz, ±3dB, with maximum power handling capability of 250 watts at 4 ohms. Measuring 39.5"×20.5"×16", the specially designed cabinets are built to the most rigid standards, and attractively finished.

SF-1500 The dbx SF-1500 Soundfield Imaging Speaker System is ideal for listeners looking for the optimum performance of a 3-way configuration in a scaled-down 33"×16"×14" cabinet format. Each woofer is a generous 8" in diameter, joined by a mid-range driver and two 1/2" tweeters. Frequency response is 44Hz–20kHz ±3dB, with maximum power handling capability of 200 watts at 4 ohms. Cabinet construction is of specially finished fiberboard.

SF-2500 For the enthusiast who wants the best possible performance from a speaker system of compact design, the SF-2500 is perfect. Though housed in a relatively small cabinet measuring just 29"×12"×8", the 3-way configuration system features a powerful 6-1/2" woofer, a mid-range driver, and two 1/2" tweeters. Maximum power handling capability is a surprising 150 watts at 4 ohms, and frequency response is 49Hz–20kHz, ±3dB. Rugged and handsome, the cabinets are made of a special fiberboard.

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Soundfield Imaging Speaker Systems



The unique Dispersion Drive system features a hard, non-resonating disc in front of the woofer which disperses sound and equalizes acoustic output, allowing the use of an LC network with a more gentle roll-off response. Another advantage is improved bass dispersion while acoustically controlling woofer diaphragm movement. The disc allows for a smoother crossover from woofer to midrange, ensuring well-defined sound. Also featured, attenuators to control response at mid and high frequencies.

SX-2

Dispersion Drive 3-Way Speaker System

Specifications

BX-1	
Power Output	2 ch. driven 400 W (8 ohms) 650 W (40 ohms) 800 W (20 ohms) 1000 W (10 ohms) short-term, limited by fusing
	4 ch. driven 100 W (80 ohms) 200 W (40 ohms) 325 W (20 ohms) 400 W (10 ohms)
Dimensions (W×H×D)	19"×7"×24.5"
Weight	84 lbs.
CX-1	
Frequency Response	phono 20 Hz–20 kHz (±0.15 dB) Line 20 Hz–20 kHz (±0.09 dB)
Equipment input noise level	phono MM –87 dBA phono MC –79 dBA Line –100 dBA
Dynamic range	120 dB
Dimensions (W×H×D)	17.1"×3.5"×15.5"
Weight	17 lbs.
TX-1	
Frequency response	20 Hz–15 kHz ±0.35 dB
THD, 100% modulation (1 kHz)	0.07%
Stereo S/N ratio (A-weighted, 65 dBI)	85 dB
Sensitivity (75-ohm input)	Mono 21 µV/38 dB Stereo 50 dB S/N
Dimensions (W×H×D)	17.1"×1.75"×9"
Weight	3 lbs.
BX-3MkII Multi-Channel Power Amplifier	
Power Output (RMS, 8 ohms load, 20–20 kHz)	4 ch. driven 125 W×4 (THD<0.003%) 3 ch. driven 125 W×2 (THD<0.003%)
	2 ch. driven 400 W×1 (THD<0.01%) 400 W×2 (THD<0.01%)
Power Output (Dynamic, IHF A-202)	180 W/channel (8 ohms) 320 W/channel (4 ohms) 450 W/channel (2 ohms)
Bridge (BTL) Mode	600 W/channel (8 ohms) 900 W/channel (4 ohms) 900 W/channel (2 ohms)
Load Impedance	2–16 ohms
THD	<0.003% (125 W RMS power output, single mode)
Frequency Response	DC–200 kHz +0, –3 dB (at 1 W)
Damping Factor	>50 (at 1 kHz)
S/N ratio (IHF-A)	115 dB
Channel Separation	>90 dB
Input Sensitivity	Single Mode 1.2 V BTL Mode 0.9 V
Input Impedance	20 k ohms
Power Requirements	120/220/240 V, 50/60 Hz AC



This 15-inch subwoofer system combines low distortion, high efficiency, smooth response, and wide dispersion in our unique subwoofer design. It features its own crossover network, with two sets of voice coils wound on the same voice coil bobbin, one each for the left and right channel inputs so that outputs from the rear channel stereo amps of our BX-3 MkII can be used to drive both voice coils for doubly rich bass response. The double-magnet system cancels magnetic radiation, enabling placement near a TV or video monitor without color distortion.

SW-3830

Dispersion Drive System

Specifications

CX-3MkII Remote Controlled Multi-Channel Control Amp. W/Digital Surround Processor	
Frequency Response	20–20 kHz ±0.25 dB
Phono (MM)	0.005% (20–20 kHz, 3 V)
CD, Tuner, Tape	10–50 kHz ±0.25 dB
S/N Ratio (IHF-A)	87 dB
Phono (MC)	74 dB
CD, Tuner, Tape	105 dB
THD Phono (MM)	0.005% (20–20 kHz, 3 V)
(MC)	0.005% (20–20 kHz, 3 V)
CD, Tuner, Tape	0.003% (20–20 kHz, 5 V)
Maximum Output Level	8 V (20–20 kHz)
Output Impedance	600 ohms
Tone Control Bass	±10 dB
Treble	±10 dB
Dolby Surround Delay	Time 20 ms
THD Phono (MM)	0.02% (1 kHz)
Power Requirements	120/220/240 V 50/60 Hz AC
TX-3 Stereo Tuner	
FM Stereo Sensitivity	9.3 dBf
S/N	85 dB
THD	0.04% (stereo)
Power Requirements	120/220/240 VAC, 50/60 Hz
Dimensions (W×H×D)	18.3/4"×3.1/8"×13.1/2"
Weight	10.1/2 lbs.
4320 Multi-Channel MOS-FET Power Amplifier	
Continuous RMS Power Output (10–20 kHz at 8 ohms)	2 ch. driven 350 W+350 W 3 ch. driven 120 W+120 W+350 W 4 ch. driven 120 W+120 W+120 W+120 W
THD	Less than 0.05% (at 2-CH, 8 ohms) Less than 0.02% (at 4-CH, 8 ohms)
Frequency Response	5–200 kHz (+0, –3 dB)
Slew Rate	±60 V/µs
Damping Factor	Greater than 100 (1 kHz, 8 ohms)
S/N Ratio	Better than 110 dB (IHF-A network)
Channel Separation	90 dB (at 1 kHz)
Power Requirements	120/220/240 V, 50/60 Hz AC
DX-5 Compact Disc Player with Wireless Remote Control	
Frequency Response	5–20 kHz (±0.3 dB)
Dynamic Range	96 dB
THD	0.003%
S/N	96 dB
Wow and Flutter	Unmeasurable
Sampling Frequency	44.1 kHz
Channel Separation	85 dB (at 1 kHz)
Error Correction	CIRC
Maximum Output	2Vrms
Power Requirements	100/120/220/240 VAC, 50/60 Hz
Dimensions (W×H×D)	19"×3.1/2"×11.7/8"
Weight	12 lbs.



The LP-204 expands the optimum listening area and so overcomes one major limitation of conventional speaker systems—flat response at only one spot on the axis. This is achieved by controlling not only on-axis response but off-axis response as well. This system consists of symmetrically matched pairs, with each unit composed of two sub-units, one for direct radiation of sounds and the other to send low energy sound directly to the wall behind the listener. These sub-units rotate around a common axis on a pedestal, but can also be separated for surround video.

LP-204

Stereo Field Speaker System

Specifications

DX-900 Compact Disc Player with Wireless Remote Control	
Frequency Response	5–20 kHz ±0.5 dB
THD	0.0035%
Dynamic Range	>96 dB
Wow and Flutter	Unmeasurable
Output Level	2 Vrms
Output Impedance	1 k ohms
S/N	>96 dB IHF-A weighted
Channel Separation	90 dB (1 kHz)
Power Requirements	100/120/220/240 VAC, 50/60 Hz
Dimensions (W×H×D)	17"×3.1/2"×12"
Weight	11.1/2 lbs.
SF50	
Frequency Response	34 Hz–20 kHz ±2.5 dB
Sensitivity	91 dB SPL/2.83 V (=1 W into 8 ohms)/1m
Impedance	4 ohms nominal, 2.5 ohms minimum
Power	40–400 W/ch @4 ohms
Driver Complement	10" (nominal) woofer, 6-1/2" midrange, 4" upper midrange, 3 ultra-wide-dispersion 1/2" tweeters
Crossovers	200/800/3150 Hz, main axis
Phased Arrangement	Vented, braced 3/4" dense fiberboard
Cabinet	
SF150	
Frequency Response	39 Hz–20 kHz ±3 dB
Sensitivity	91 dB SPL/2.83 V (=1 W into 8 ohms)/1m
Impedance	4 ohms nominal, 2.5 ohms minimum
Power	35–250 W/ch @4 ohms
Driver Complement	10" (nominal) woofer, 4" midrange, 3 ultra-wide-dispersion 1/2" tweeters
Crossovers	Phased arrangement: 450/3150 Hz, main axis
Cabinet	Vented, braced 3/4" dense fiberboard
SF1500	
Frequency Response	44 Hz–20 kHz ±3 dB
Sensitivity	92 dB SPL @ 1 meter w/2.83 volts input (=1 W into @8 ohms)
Impedance	4 ohms nominal, 2.5 ohms minimum
Power	30–250 W/ch @4 ohms (w/music, not tones or noise)
Driver Complement	8" (nominal) woofer, 4" midrange, 2 ultra-wide-dispersion 1/2" tweeters
Crossovers	450/3150 Hz, main axis
Phased Arrangement	Vented, asymmetrical left/right pair, braced 5/8" dense fiberboard (MDF), walnut or black base and top w/ matching grille wraps
Cabinet	
Dimensions (W×H×D)	16"×14"×33"
SF2500	
Frequency Response	49 Hz–20 kHz ±3 dB
Sensitivity	90 dB SPL @ 1 meter w/2.83 volts input (=1 W into @8 ohms)
Impedance	6 ohms nominal, 4 ohms minimum
Power	30–200 W/ch @4 ohms (w/music, not tones or noise)
Driver Complement	6-1/2" (nominal) woofer, 2-1/2" midrange, 2 ultra-wide-dispersion 1/2" tweeters
Crossovers	1600/4500 Hz, main axis
Phased Arrangement	Vented, asymmetrical left/right pair, braced 5/8" dense fiberboard (MDF), walnut or black w/matching grille wraps
Cabinet	
Dimensions (W×H×D)	12"×8"×29"
SX-2 Dispersion Drive Speaker System	
Frequency Response	20–20 kHz
Sensitivity	Greater than 93 dB (1 W/1 m)
Impedance	8 ohms
Crossovers	450 Hz and 5.5 kHz
Frequencies	1×12" woofer 2×4.5" midrange 1×1" dome tweeter
Speaker Units	10–300 watts
Rated Amplifier Range	Dimensions (W×H×D) 15-3/4"×27-1/2"×13"
Weight	44-1/2 lbs.
SW-3830 Dispersion Drive Subwoofer System	
Maximum Input Power	300 watts
Frequency Response	18–300 Hz
Sensitivity	Greater than 95 dB (1 W/1 m)
Impedance	8 ohms/8 ohms (mono) 4 ohms (stereo)
Crossovers Internal	250 Hz
Drive Size	15"
Rated Amplifier Range	30–300 watts
Dimensions (W×H×D)	23.5/8"×18.3/4"×12.1/4"
Weight	44-3/8 lbs.
LP-204 Stereo Field Speaker System	
Type of Speakers	Main Unit 2-way bass reflex 1×3-15/16" cone 1×1-15/16" cone Sub Unit 1-way bass reflex 1×3-15/16" cone
Music Power	300 W
Max Power	150 W
Rated Power	50 W
Impedance	6 ohms
Efficiency	91 dB (1 W/1 m)
Frequency Response	55–20 kHz
Dimensions (W×H×D)	(Overall) 11-13/16"×11-13/16"×5-1/16" (Main Unit) 11-13/16"×5-7/8"×5-1/16" (Sub Unit) 11-13/16"×5-7/8"×5-1/16" (Overall) 10.5/16 lbs. (Main Unit) 5-3/16 lbs. (Sub Unit) 5-1/8 lbs.
Weight	

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