

SPECTRUM AUDIO
COMPONENTS



Product Catalog



LET'S FACE IT,
THERE'S NO SUBSTITUTE
FOR GREAT TECHNOLOGY.

Here at Kenwood, we sometimes worry that explaining why our products deliver such great sound may get too technical. After all, you just want to enjoy movies and music, not build the stuff that plays them. That's our job.

But any company can say they build better products—whether they do or not. At Kenwood, we do. This year alone we created a unique, high-efficiency amplifier module, added the Sigma Servo circuit to our subwoofers which dramatically improves bass accuracy, and built systems featuring SRS 3-D Sound, which makes movie soundtracks or music seem to come from all around—even if you're only using two speakers. We also added dozens of features that make our products sound better, work better, and make them easier to use.

By learning just a little about the technology behind these features, you'll see why Kenwood products have a reputation for delivering far better performance than anything else in their class.

RECEIVERS

Kenwood components have a reputation for delivering impressive performance and for being built to higher standards. Reviewers who look inside our receivers often comment on our innovative circuitry, high quality electronics, and rugged construction. These features mean our receivers offer truer fidelity, handle powerful music better, and resist heat build-up to last longer.



KAM-1 MODULE

AUDIO/VIDEO RECEIVER

107VR

With 120 watts per channel, Dolby Pro Logic, DSP Logic Surround Sound, and 4 video inputs, our top of the line Kenwood Spectrum receiver delivers the kind of performance typically found on receivers costing much more.

- 120 Watts per Channel in Stereo
- 120 Watts per Channel (Left/Center/Right/Surround) in Surround
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode

AUDIO/VIDEO RECEIVER

106VR

This powerful receiver features 110 watts per channel and lets you connect two video sources—as well as a subwoofer, for room-shaking bass effects for music and movies.

- 110 Watts per Channel in Stereo
- 110 Watts per Channel (Left/Center/Right/Surround) in Surround

KAM-1: AN EXCLUSIVE POWER MODULE FOR CLEAR, STRONG SOUND

Some entry-level receivers use integrated circuit amplifier chips, which can deliver only limited sound quality. These chips run hot, so they can also fade when movies or music demands power for sudden, explosive sound. To solve the problem, we invented the KAM-1, a module containing 168 discrete audio components. It includes a heat-reducing circuit that repeatedly turns the power on and off before it goes through the circuitry, keeping the unit cool. There's also a slope-detecting circuit, which pours on the voltage as soon as the system senses that the demand for power is rising. The result is affordable receivers that deliver stronger bass, cleaner mid-range and highs, and which can handle big, powerful sound with ease.



- DSP Logic Surround Sound
- SRS 3-D Sound (Variable)
- 3 Audio DSP Modes (Arena, Hall, Jazz Club)
- KAM-1 Power Amplifier Circuitry
- 4 Video Inputs
- Subwoofer Preout with Level Adjustment (using Remote)
- Full-Function Remote



- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound (Variable)
- KAM-1 Power Amplifier Circuitry
- 2 Video Inputs
- Subwoofer Preout
- Full-Function Remote

RECEIVERS

AUDIO/VIDEO RECEIVER 105VR

The affordable 50-watt-per-channel 105VR is one of the best basic home theater receivers on the market, featuring superb Dolby Pro Logic performance and the spacious effect of SRS 3-D sound.



- 50 Watts per Channel in Stereo
- 50 Watts per Channel (Left/Center/Right/Surround) in Surround
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound
- 5 Audio Inputs
- Full-Function Remote

AUDIO RECEIVER 104AR

The 104AR stereo receiver can produce sound that seems to come from all around the room—not just the two speakers—thanks to SRS 3-D sound. And with 6 inputs, there's plenty of room to connect all your audio components.



- 100 Watts per Channel in Stereo
- Discrete Power Amplifier Circuitry
- SRS 3-D Sound
- 6 Audio Inputs
- Full-Function Remote

AUDIO RECEIVER 103AR

A classic stereo receiver, featuring a generous 80-watt-per-channel power amplifier for room-filling music and discrete circuitry for superior sound quality.



- 80 Watts per Channel in Stereo
- Discrete Power Amplifier Circuitry
- 4 Audio Inputs
- Full-Function Remote

CD PLAYERS AND CASSETTE DECKS

Our CD players feature Precision Digital Timing (DPAC) to prevent jitter. If a CD's digital information isn't read at an extremely steady rate, the signal "jitters," which makes the music come out harsh. Kenwood players have a digital clock that's completely isolated from other circuitry to keep the signal rock-steady. The result is no jitter, and music that sounds natural. We also make our components easier to use with features like One-Touch CD Recording. When a Kenwood CD player and cassette deck are linked together, you only need to push one button to start recording: the components scan the CD, set the optimum recording level, start the CD playing, and begin recording.



ROTARY CD PLAYER
104CD

- 5-Disc Rotary CD player with 4-Disc Play Exchange
- Dual 1-Bit D/A Converters
- 3rd-Order Noise Shaping
- Digital Pulse Axis Control (DPAC)
- One-Touch CD Recording (CCRS) Compatible
- Random Play with Lockout
- Direct Track Access (via Remote)
- Full-Function Remote with Volume Control



ROTARY CD PLAYER
103CD

- 5-Disc Rotary CD player with 4-Disc Play Exchange
- Dual 1-Bit D/A Converters
- 3rd-Order Noise Shaping
- Digital Pulse Axis Control (DPAC)
- One-Touch CD Recording (CCRS) Compatible
- Random Play with Lockout

CASSETTE DECKS AND EQUALIZER

DUAL-WELL CASSETTE DECK

103CT

- Full-Logic Auto Reverse Tape Transports
- Dolby HX Pro Headroom Extension
- Dolby Noise Reduction (B and C)
- Dual-Frequency Auto Bias Adjustment
- One-Touch CD Recording (CCRS)
- High-Speed Tape-to-Tape Dubbing



DUAL-WELL CASSETTE DECK

101CT

- Mechanical Logic Tape Transports
- Dolby B Noise Reduction
- Tape-to-Tape Dubbing



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GRAPHIC EQUALIZER

KE-2060

- 7-Band Graphic Equalizer
- ± 10 dB Adjustment Range
- 5 Preset Listening EQ Curves
- 5 Programmable Listening EQ Curves
- 13-Band Spectrum Analyzer Display
- Bypass Switch



T U R N T A B L E S

T U R N T A B L E

K D - 4 9 2 F C

- Fully Automatic Mechanism
- Precision Belt Drive System with DC Servo Motor
- Magnetic Phono Cartridge Included
- System Control Connections



T U R N T A B L E

K D - 2 9 1 R C

- Semi-Automatic Mechanism
- Precision Belt Drive System with DC Servo Motor
- Magnetic Phono Cartridge Included



T U R N T A B L E

P - 1 0 0

- Semi-Automatic Mechanism
- Precision Belt Drive System with DC Servo Motor
- Built-In Switchable RIAA Equalizer Pre-Amplifier
- Connects to any AUX Input
- Magnetic Phono Cartridge Included



FULL-SIZE SYSTEMS

FULL-SIZE AND MINI SYSTEMS

What sets Kenwood Full-Size Systems, Mini Systems, and Home Theater Systems apart from others is the quality of their sound. Because we only make audio products, our engineers are experts at designing systems that deliver clear, accurate sound. With a Kenwood system, you may actually hear things in a favorite recording that you weren't able to hear before. And to make it easy to enjoy your music, we add features like One-Touch Edit on our Mini Systems: a single button that starts a CD track playing, starts the cassette deck recording, turns off both at the end of the song, and leaves 4 seconds of blank space so you're all set to record another. Finally, Kenwood systems feature enclosures and cabinets that combine acoustic performance with sleek design to produce excellence in both sound and style.

SRS® 3-D STEREO: SOUND THAT ENVELOPS THE LISTENER

Several Kenwood systems feature SRS 3-D Sound, which dramatically increases the 'acoustic space' of stereo. With SRS, the music no longer seems to be coming from the speakers—you can hear the stereo effect from almost anywhere in the room. And our full-size audio/video systems that feature SRS let you to combine it with Dolby Pro Logic decoding to add a whole new dimension to surround-sound film soundtracks.

STYLE THAT SOUNDS GREAT

Our 1050VR and 950VR Audio/Video systems combine good looks with real sonic improvements. Their clean lines, raised speakers, and curved, smoked-glass door were designed to stand out in a world of boring systems. The unique stands put the speakers at the best listening level, cutting floor reflections to deliver more direct, purer sound. Their electronics include Dolby Pro Logic circuitry for true home theater surround sound and a subwoofer crossover for excellent fidelity. The removable subwoofer can slide out from the system cabinet to be placed where the bass sounds best. There's also a 5-disc rotary CD changer, dual cassette deck, and digital tuner.



AUDIO/VIDEO SYSTEM

SPECTRUM 1050AV

- 100 Watts per Channel in Stereo
- 100 Watts per Channel (Left/Center/Right/Subwoofer) in Surround
- 20 Watts x 2 (Surround) in Surround
- Discrete Power Amplifier Circuitry
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- Universal Pre-Programmed Remote Operates Most Brands of Video Equipment
- Video Inputs and Outputs
- 5-Disc Rotary CD Player with 4-Disc Play Exchange
- Dual Auto-Reverse Cassette Deck with High-Speed Dubbing
- 2-Way Left and Right Front Speakers with Stands
- Removable 10" Subwoofer
- Center and Surround Speakers
- Gray Component Cabinet

FULL-SIZE SYSTEMS

AUDIO/VIDEO SYSTEM

SPECTRUM 950AV

- 100 Watts per Channel in Stereo
- 70 Watts per Channel (Left/Center/Right/Subwoofer) in Surround
- 15 Watts x 2 (Surround) in Surround
- Dolby Pro Logic Decoding and Dolby 3 Stereo Modes
- 5-Disc Rotary CD Player with 4-Disc Play Exchange
- Dual Auto-Reverse Cassette Deck with High-Speed Dubbing
- 2-Way Left and Right Front Speakers with Stands
- Removable 10" Subwoofer
- Center and Surround Speakers
- Gray Component Cabinet



AUDIO/VIDEO SYSTEM

SPECTRUM 860AV

- 120 Watts per Channel in Stereo
- 120 Watts per Channel (Left/Right) in Surround
- 100 Watts per Channel (Center/Surround) in Surround
- KAM-1 Power Amplifier Circuitry (Left and Right Channels)
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound (Variable)
- Video Inputs and Outputs
- 5-Disc Rotary CD Player with 4-Disc Play Exchange
- Dual Auto-Reverse Cassette Deck with High-Speed Dubbing
- 3-Way Left and Right Front Speakers with 15" Woofers
- Center and Surround Speakers
- Black Component Cabinet



FULL-SIZE SYSTEMS



AUDIO/VIDEO SYSTEM

SPECTRUM 560AV

- 110 Watts per Channel in Stereo
- 110 Watts per Channel (Left/Center/Right/Surround) in Surround
- KAM-1 Power Amplifier Circuitry
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound (Variable)
- 7-Band Stereo Graphic Equalizer
- 5-Disc Rotary CD Player with 4-Disc Play Exchange
- Dual Cassette Deck with Dubbing
- 3-Way Left and Right Front Speakers with 15" Woofers
- Center and Surround Speakers
- Black Component Cabinet



AUDIO/VIDEO SYSTEM

SPECTRUM 460AV

- 110 Watts per Channel in Stereo
- 110 Watts per Channel (Left/Center/Right/Surround) in Surround
- KAM-1 Power Amplifier Circuitry
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound (Variable)
- 7-Band Stereo Graphic Equalizer
- 5-Disc Rotary CD Player with 4-Disc Play Exchange
- Dual Cassette Deck with Dubbing
- 3-Way Left and Right Front Speakers with 12" Woofers
- Center and Surround Speakers
- Black Component Cabinet



AUDIO SYSTEM

SPECTRUM 360

- 100 Watts per Channel in Stereo
- Discrete Power Amplifier Circuitry
- SRS 3-D Sound
- 7-Band Stereo Graphic Equalizer
- 5-Disc Rotary CD Player with 4-Disc Play Exchange
- Dual Cassette Deck with Dubbing
- 3-Way Left and Right Front Speakers with 12" Woofers
- Black Component Cabinet

MINI SYSTEMS



AUDIO MINI SYSTEM

XD-750

- 75 Watts per Channel in Stereo
- Discrete Power Amplifier Circuitry
- SRS 3-D Sound
- Manually Adjustable Graphic Equalizer
- Subwoofer Preout
- 3-Disc Rotary CD Player
- Dual Auto-Reverse Cassette Deck with Tape-to-Tape Dubbing
- 3-Way Speakers with 7" Woofers
- Full-Function Remote Control



AUDIO MINI SYSTEM

XD-500

- 50 Watts per Channel in Stereo
- Discrete Power Amplifier Circuitry
- Manually Adjustable Graphic Equalizer
- Subwoofer Preout
- 3-Disc Rotary CD Player
- Dual Auto-Reverse Cassette Deck with Tape-to-Tape Dubbing
- 3-Way Speakers with 6-1/4" Woofers
- Full-Function Remote Control

HOME THEATER SYSTEMS

COMPLETE HOME THEATER SYSTEMS

Putting together a home theater sound system can be complicated, which is why we've created two complete systems that make buying and setting up your home theater easy.

FULL-SIZE HOME THEATER SYSTEMS

These systems don't cut corners like some other systems. Included in each one is a full-featured A/V receiver, left, center, right and surround speakers, and a subwoofer. All the components are perfectly matched to deliver terrific surround sound, and come with easy-to-follow instructions and all the cables you'll need.

CENTERSTAGE INSTANT HOME THEATER

For people who want the true home theater experience but have limited space, Kenwood has created a remarkable product. The STS-1000 CenterStage consists of four amazingly small enclosures (left, center, right, and surround) with all the electronics you need built-in, including the amplifiers and Dolby Pro Logic surround sound. All you add is any stereo video source you like: cable TV, stereo broadcast TV, satellite, HiFi VCR, laserdisc player, or DVD player. Setup takes only minutes because all the cables and clear instructions are included. Once it's set, you can forget it, because CenterStage even turns itself on and off automatically. You can also use the second input to add a CD player or tape deck. With matched drivers across the front, matched surround drivers in a dipolar configuration, and built-in subwoofers in the left and right cabinets, this system's astonishing surround sound surpasses many others that are twice its size and price.



HOME THEATER SYSTEM STS-1000

- 4 Speaker Complete Surround Sound System
- Built-In Dolby Pro Logic Decoding
- 6 Built-In Power Amplifiers
- Left and Right Speakers with 3" Drivers and Integrated Subwoofers
- Center Speaker with Magnetically-Shielded 3" Driver
- Dipolar Surround Speaker with two 3" Drivers
- 2 Audio Inputs (Movies/Music)
- Auto Power On/Off
- Remote Control

HOME THEATER SYSTEMS



HOME THEATER SYSTEM HTB-300

KR-300HT Receiver:

- 120 Watts per Channel in Stereo
- 120 Watts per Channel (Left/Center/Right/Surround) in Surround
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound (Variable)
- Subwoofer Preout with Level Adjustment (using Remote)
- Full-Function Remote

Complete Surround Sound System Including Receiver, Speakers and Powered Subwoofer

KS-300HT Speaker Package:

- 2-Way 2-Way Magnetically-Shielded Front Left and Right Speakers
- 2-Way Magnetically-Shielded Center Speaker
- Two Surround Speakers with Built-In Wall-Mount Brackets
- 10" Powered Subwoofer



HOME THEATER SYSTEM HTB-200

KR-200HT Receiver:

- 110 Watts per Channel in Stereo
- 110 Watts per Channel (Left/Center/Right/Surround) in Surround
- Dolby Pro Logic Decoding and Dolby 3 Stereo Mode
- SRS 3-D Sound (Variable)
- Full-Function Remote

Complete Surround Sound System Including Receiver, Speakers and Subwoofer

KS-200HT Speaker Package:

- 2-Way Magnetically-Shielded Front Left and Right Speakers
- Magnetically-Shielded Center Speaker
- Two Surround Speakers with Built-In Wall-Mount Brackets
- 8" Subwoofer

At Kenwood we put the same design expertise into our speakers that we do in our components. Kenwood engineers spend countless hours finding the best combination of drivers, adjusting the performance of the crossovers, and tuning enclosures to produce full, clear, dynamic sound. Much of the technology used in our acclaimed THX-certified speakers, such as sonically matched drivers and dipolar surround speaker design, is also found in our KVS line. These are high quality, American designed and built 3-way and 2-way speakers. Because Kenwood engineers have sonically matched their drivers, enclosures, and voicing, they will deliver accurate, transparent sound in any combination—as a pair of stereo speakers, as sets of speakers for different rooms, or as a complete surround-sound system for movies. Whichever you choose, and however you combine them, they'll sound great.

SUBWOOFERS THAT DELIVER BETTER SOUND AND MORE CONVENIENCE

Kenwood subwoofers offer deeper, more powerful bass, better performance, and extra features that are clearly beyond the typical subwoofer. The narrow footprint saves space, and the full-function remote control—which allows you to choose your listening mode (either Music or Movies), adjust the level, even change the phase—means you can tailor the sound to perfection without leaving your listening position.

SIGMA SERVO SYSTEM: THE TIGHTEST BASS AROUND

Because an amplifier can't keep a subwoofer from sounding muddy unless it can completely control the speaker's motion, our subwoofer features an exclusive circuit called Sigma Servo. Inside, an extra wire (besides the speaker wire) goes from the subwoofer's amp to its speaker, which gives the amp the feedback it needs to damp the speaker ten times more efficiently. You can easily hear the difference. These subwoofers deliver bass that's far tighter and punchier than subwoofers without Sigma Servo.



3-WAY SPEAKERS KVS-400

- 8" Woofer and 8" Bass Driver
- 4" Polypropylene Cone Midrange
- 3/4" Tweeter
- Ported Design
- Tower Configuration
- Multi-Element Crossover Network
- Magnetically Shielded
- 5-Way Binding Post Connectors
- 140 Watts Power Handling
- Sold in Pairs



3-WAY SPEAKERS

KVS-300

- 8" Woofer
- 4" Polypropylene Cone Midrange
- 3/4" Tweeter
- Ported Design
- Tower Configuration
- Multi-Element Crossover Network
- Magnetically Shielded
- 5-Way Binding Post Connectors
- 120 Watts Power Handling
- Sold in Pairs



2-WAY SPEAKERS

KVS-200

- 6-1/2" Woofer
- 3/4" Tweeter
- Ported Design
- Multi-Element Crossover Network
- Magnetically Shielded
- 100 Watts Power Handling
- Sold in Pairs



CENTER CHANNEL SPEAKER

KVS-50

- (2) 5" Polypropylene Cone Woofers
- 3/4" Tweeter
- Ported Design
- Multi-Element Crossover Network
- Magnetically Shielded
- Angled Side and Adjustable Leg Aim Speaker from Floor or TV Top
- 5-Way Binding Post Connectors
- 110 Watts Power Handling

SPEAKERS



SURROUND SPEAKERS
KVS-60

- 5" Polypropylene Cone Woofer
- (2) 3" Midrange/Tweeters
- Dipolar Midrange/Tweeter Configuration
- Multi-Element Crossover Network
- Built-In Wall-Mount Hardware
- 50 Watts Power Handling
- Sold in Pairs



POWERED SUBWOOFER
103SW

- 10" Driver
- Built-In 100 Watt RMS Amplifier
- Sigma Servo
- 2 Listening Modes (Movies, Music)
- Auto Power On/Off
- Variable Crossover Frequency, Selectable Crossover Filter Slope, Switchable Phase
- Line-Level and Speaker-Level Inputs
- Motorized Volume Control
- Remote Control Included



CENTER & SURROUND
SPEAKER PACKAGE
CRS-300

- Center Speaker:
- Dual 4" Full-Range Drivers
 - Magnetically-Shielded
 - 100 Watts Power Handling
- Surround Speakers:
- 4" Full-Range Driver
 - Wall-Hangable
 - 40 Watts Power Handling

PERSONAL MONITOR HEADPHONES

Kenwood headphones offer superb sound due to features such as super thin diaphragms for a clear midrange, powerful neodymium magnets for excellent bass, oxygen-free copper cords to carry the strongest signal possible, and gold-plated plugs which resist the corrosion that dulls electronic connection. Our headphones are also convenient and comfortable, with features such as a built-in volume control on the cord, single-side cord entry that keeps the cord out of your way, professional offset earpiece design that puts the headband farther back on your head for better fit, and genuine leather headbands and earcups with extra padding that keeps them from binding even after hours of listening.

PORTABLE HEADPHONES

When you're away from home, our Sports and Pocket models fold for easy storage. Our Metro model offers clear sound in a lightweight style, and for the ultimate in convenience, our Micro model fits securely in each ear without a headband.



PERSONAL MONITORS

KPM-510

- 40 mm High Sensitivity Drivers
- Adjustable Padded Leather Headband and Earcup Covers
- Generous Form-Fit Padding
- Professional Offset Earpiece Design
- 10-Foot Single-Side Entry Coiled Cord with Gold-Plated Plug and Adapter



PERSONAL MONITORS

KPM-410

- 40 mm High Sensitivity Drivers
- Adjustable Padded Leather Headband and Earcup Covers
- Form-Fit Padding
- Built-In Volume Control
- 10-Foot Single-Side Entry Cord with Gold-Plated Plug and Adapter



Built-In Volume Control



PERSONAL MONITORS

KPM-310

- 40 mm High Sensitivity Drivers
- Adjustable Padded Leather Headband and Earcup Covers
- Built-In Volume Control
- 10-Foot Cord with Gold-Plated Plug and Adapter



Built-In Volume Control

HEADPHONES



PERSONAL MONITORS

KPM-210

- 34 mm High Sensitivity Drivers
- Adjustable Snap-Fit Headband
- Built-In Volume Control
- 8-Foot Cord with Gold-Plated Plug and Adapter



Built-In Volume Control



POCKET HEADPHONES

KPM-100

- 29 mm High Sensitivity Over-Ear Drivers
- Folding Design
- Full-Size, Padded Earpieces
- 4-Foot Cord with Gold-Plated Plug



SPORTS HEADPHONES

KPM-50

- 13 mm In-Ear Drivers with Lightweight Neodymium Magnets
- Folding Design
- Water Resistant
- Vertical Headband Stays Secure
- 4-Foot Oxygen-Free Copper Cord with Gold-Plated Plug
- Carrying Case Included



METRO HEADPHONES

KPM-30

- 13 mm In-Ear Drivers with Lightweight Neodymium Magnets
- Vertical Headband Stays Secure
- 4-Foot Oxygen-Free Copper Cord with Gold-Plated Plug



MICRO HEADPHONES

KPM-10

- 13 mm In-Ear Drivers with Lightweight Neodymium Magnets
- Built-In Volume Control
- 4-Foot Oxygen-Free Copper Cord with Gold-Plated Plug
- Carrying Case Included



Built-In Volume Control

RECEIVER SPECIFICATIONS

	107VR	106VR	105VR
Specifications			
Power per Channel (Watts RMS):			
Stereo (Left & Right) at 8 ohms	120 W x 2 , 40 Hz - 20 kHz, <0.8% THD	110 W x 2 , 40 Hz - 20 kHz, <0.8% THD	50 W x 2 , 40 Hz - 20 kHz, <0.8% THD
Front (Left/Center/Right) at 8 Ohms	120 W x 3, 1 kHz, <0.8% THD	110 W x 3, 1 kHz, <0.8% THD	50 W x 3, 1 kHz, <0.8% THD
Surround Channel at 8 Ohms	120 W, 1 kHz, <0.8% THD	110 W, 1 kHz, <0.8% THD	50 W, 1 kHz, <0.8% THD
Signal-to-Noise Ratio:			
Line (CD)	93 dB	93 dB	94 dB
Phono (MM)	75 dB	75 dB	75 dB
Tone Control Characteristics:			
Bass	+ 8 dB (at 100 Hz)	+ 8 dB (at 100 Hz)	+ 8 dB (at 100 Hz)
Midrange	+ 8 dB (at 900 Hz)	+ 8 dB (at 900 Hz)	+ 8 dB (at 900 Hz)
Treble	+ 8 dB (at 10 kHz)	+ 8 dB (at 10 kHz)	+ 8 dB (at 10 kHz)
Input Sensitivity/Impedance:			
Line (CD)	220 mV/47 kΩ	220 mV/47 kΩ	220 mV/47 kΩ
Phono (MM)	3.0 mV/47 kΩ	3.0 mV/47 kΩ	3.0 mV/47 kΩ
Output Level/Impedance:			
Subwoofer Pre Out	1 V/2.2 kΩ	2.0 V/600 Ω	
Tape Rec Out	220 mV/2.2 kΩ	220 mV/2.2 kΩ	220 mV/2.2 kΩ
FM Useable Sensitivity (Mono, 75Ω)	13.2 dBf (1.3 μV at 75 Ω)	13.2 dBf (1.3 μV at 75 Ω)	13.2 dBf (1.3 μV at 75 Ω)
FM 50 dB Quieting Sensitivity (Stereo, 75Ω):	41.2 dBf (31.6 μV at 75 Ω)	41.2 dBf (31.6 μV at 75 Ω)	41.2 dBf (31.6 μV at 75 Ω)
FM THD (1 kHz):			
Mono	0.5%	0.5%	0.5%
Stereo	0.6%	0.6%	0.6%
FM Signal-to-Noise Ratio (65 dBf, 75 kHz dev, 1 kHz):			
Mono	75 dB	75 dB	75 dB
Stereo	68 dB	68 dB	68 dB
FM Stereo Separation (1 kHz)	40 dB	40 dB	40 dB
FM Selectivity (±400 kHz)	66 dB	66 dB	66 dB
FM Frequency Response (+0.5 dB, -3.0 dB)			
	30 Hz ~ 15 kHz	30 Hz ~ 15 kHz	30 Hz ~ 15 kHz
AM Useable Sensitivity	15 μV (500 μV/m)	15 μV (500 μV/m)	15 μV (500 μV/m)
AM signal-to-Noise Ratio (30% mod., 1 mV input)			
	48 dB	48 dB	48 dB
Power Consumption	2.8 A	2.8 A	180 W
Dimensions (H x W x D)	5" x 17-5/16" x 15-5/16"	5" x 17-5/16" x 15-5/16"	5" x 17-5/16" x 15-5/16"
Weight	19.9 lb	19.9 lb	15 lb
Features			
Dolby Pro Logic Decoding	•	•	•
Dolby 3 Stereo	•	•	•
Audio DSP Modes	Arena, Jazz Club, Stadium		
SRS 3D Sound	Variable	Variable	Variable
KAM-1 Amplifier Module	•	•	
Full-Function Remote	•	•	•
Rear-Panel Video Inputs (Composite)	2	2	
Rear-Panel Video Record Outputs (Composite)	1	1	
Rear-Panel Video Monitor Outputs (Composite)	1	1	
Front-Panel AV/Aux Input	1		
Audio Inputs	3	3	5
Subwoofer Preout	•	•	
Subwoofer Level Adjustment (via Remote)	•		
Switched AC Accessory Outlets	1	1	1

RECEIVER SPECIFICATIONS

	104AR	103AR
Specifications		
Power per Channel (Watts RMS):		
Stereo (Left & Right) at 8 ohms	100 W x 2 , 20 Hz - 20 kHz, <0.09% THD	80 W x 2 , 30 Hz - 20 kHz, <0.09% THD
Front (Left/Center/Right) at 8 Ohms		
Surround Channel at 8 Ohms		
Signal-to-Noise Ratio:		
Line (CD)	93 dB	93 dB
Phono (MM)	75 dB	75 dB
Tone Control Characteristics:		
Bass	+ 8 dB (at 150 Hz)	+ 8 dB (at 150 Hz)
Midrange		
Treble	+ 8 dB (at 10 kHz)	+ 8 dB (at 10 kHz)
Input Sensitivity/Impedance:		
Line (CD)	200 mV/47 kΩ	200 mV/47 kΩ
Phono (MM)	2.5 mV/47 kΩ	2.5 mV/47 kΩ
Output Level/Impedance:		
Subwoofer Pre Out		
Tape Rec Out		
FM Useable Sensitivity (Mono, 75Ω)	14.2 dBf (1.4 μV at 75 Ω)	14.2 dBf (1.4 μV at 75 Ω)
FM 50 dB Quietng Sensitivity (Stereo, 75Ω):	44.2 dBf (44 μV at 75 Ω)	44.2 dBf (44 μV at 75 Ω)
FM THD (1 kHz):		
Mono	0.6%	0.6%
Stereo	0.7%	0.7%
FM Signal-to-Noise Ratio (65 dBf, 75 kHz dev, 1 kHz):		
Mono	75 dB	75 dB
Stereo	68 dB	68 dB
FM Stereo Separation (1 kHz)	40 dB	40 dB
FM Selectivity (±400 kHz)	50 dB	50 dB
FM Frequency Response (+0.5 dB, -3.0 dB)		
	30 Hz ~ 15 kHz	30 Hz ~ 15 kHz
AM Useable Sensitivity	20 μV (560 μV/m)	20 μV (560 μV/m)
AM signal-to-Noise Ratio (30% mod., 1 mV input)		
	48 dB	48 dB
Power Consumption	2.5 A	130 W
Dimensions (H x W x D)	5" x 17-5/16" x 14-15/16"	5" x 17-5/16" x 14-15/16"
Weight	19.2 lb	15.2 lb
Features		
Dolby Pro Logic Decoding		
Dolby 3 Stereo		
Audio DSP Modes		
SRS 3D Sound	Fixed	
KAM-1 Amplifier Module		
Full-Function Remote	•	•
Rear-Panel Video Inputs (Composite)		
Rear-Panel Video Record Outputs (Composite)		
Rear-Panel Video Monitor Outputs (Composite)		
Front-Panel AV/Aux Input		
Audio Inputs	6	4
Subwoofer Preout		
Subwoofer Level Adjustment (via Remote)		
Switched AC Accessory Outlets	2	2

CD PLAYER SPECIFICATIONS

	104CD	103CD
Specifications		
Frequency Response (\pm 0.5 dB)	4 Hz ~ 20 kHz	4 Hz ~ 20 kHz
Signal-to-Noise Ratio	95 dB	95 dB
Dynamic Range	95 dB	95 dB
Total Harmonic Distortion (THD+N at 1 kHz)	0.008%	0.008%
Output Level/Impedance	2 V (max)/800 Ω	2 V/800 Ω
Power Consumption	13 W	13 W
Dimensions (H x W x D)	4-15/16" x 17-5/16" x 15-5/8"	4-15/16" x 17-5/16" x 15-5/8"
Weight	11 lb	11 lb
Features		
Noise Shaping	3rd-Order	3rd-Order
Oversampling	8 fs	8 fs
DPAC Precision Digital Timing	•	•
One-Touch Recording (CCRS) Compatible	•	•
Random Play with Lockout	•	•
32-Track Programming	•	•
Direct Track Access (via Remote)	•	
Variable Headphone and Line Output	From Remote	
Full-Function Remote	•	

CASSETTE DECK SPECIFICATIONS

	103CT	101CT
Specifications		
Frequency Response (\pm 3 dB):		
Type I Tape	30 Hz ~ 18 kHz	30 Hz ~ 13 kHz
Type II Tape	30 Hz ~ 19 kHz	30 Hz ~ 13 kHz
Signal-to-Noise Ratio (3% 3rd HD, Type II Tape):		
Dolby NR Off	59 dB	57 dB
Dolby B NR	68 dB	66 dB
Dolby C NR	75 dB	
Wow & Flutter (WRMS)	<0.1%	<0.3%
Input Sensitivity/Impedance	122.8 mV/47 k Ω	122.8 mV/47 k Ω
Output Level/Impedance:		
Line Out	775 mV/1.0 k Ω	775 mV/3.3 k Ω
Headphone Out	0.5 mW/32 Ω	
Power Consumption	30 W	14 W
Dimensions (H x W x D)	5-1/4" x 17-5/16" x 14-7/16"	5-1/4" x 17-5/16" x 11"
Weight	10.1 lb	8.8 lb
Features		
Full-Logic Electronic Tape Transports	•	
Dual Auto-Reverse Mechanisms	•	
Dolby B and C Noise Reduction	•	Dolby B
Dolby HX Pro Headroom Extension	•	
Dual Frequency Auto Bias Adjustment	•	
Dual Well Recording	•	
Relay Play	•	
One-Touch CD Record (CCRS)	•	
High-Speed Tape-to-Tape Dubbing	•	Normal Speed
Direct Program Search System:		
16-Track Song Search	•	
Track Repeat	•	
Rewind Play	•	
Zero Stop	•	

SPEAKER SPECIFICATIONS

	KVS-400	KVS-300	KVS-200	KVS-50
Specifications				
Speaker Type	Main	Main	Main	Center
Woofer	8"	8"	6-1/2"	5" (2)
Bass Driver	8"			
Midrange	4"	4"		
Tweeter	3/4"	3/4"	3/4"	3/4"
Enclosure Type	Ported	Ported	Ported	Acoustic Suspension
Power Handling	140 Watts	120 Watts	100 Watts	110 Watts
Power Output				
Frequency Response	40 Hz ~ 20 kHz	45 Hz ~ 20 kHz	55 Hz ~ 20 kHz	80 Hz ~ 20 kHz
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Dimensions (H x W x D)	38" x 11"x 11-1/8"	35-7/16" x 11" x 11-1/8"	17-5/8" x 8-11/16" x 8-3/4"	7" x 20"x 6-3/8" (including leg bracket)
Weight	35 lb	30 lb	14 lb	11 lb
Features				
Magnetically-Shielded	•	•	•	•
Enclosure Finish	Black	Black	Black	Black

SPEAKER SPECIFICATIONS

	KVS-60	CRS-300 SYSTEM	CRS-300 SYSTEM	103SW
Specifications				
Speaker Type	Surround	CRS-300 Center	CRS-300 Surrounds	Powered Subwoofer
Woofer	5"			
Bass Driver				
Midrange	3" Midrange/Tweeters (2)	4" Full-Range (2)	4" Full-Range	
Tweeter				
Enclosure Type	Acoustic Suspension/Dipolar	Acoustic Suspension	Acoustic Suspension	Ported
Power Handling	50 Watts	100 Watts	40 Watts	
Power Output				100 Watts RMS
Frequency Response	100 Hz ~ 20 kHz			
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	
Dimensions (H x W x D)	10-5/8" x 8"x 5-1/2"	5-7/8" x 17-5/16" x 6-5/16"	7-1/8" x 5-7/8" x 6-5/16"	19" x 11-13/16" x 16-9/16"
Weight	8 lb	7 lb	3.1 lb	39.6 lb
Features				
Sigma Servo				•
Magnetically-Shielded		•		
Wall-Mount Hardware Included	•		•	
Enclosure Finish	White	Black	Black	Black

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