Spectrum by
KENWOOD

AUDIO-VIDEO SURROUND RECEIVER VR-407

KENWOOD

6CH INPUT

DOLBY DIGITAL   DTS   PRO LOGIC   5 STEREO   DOWN MIX   INPUT SELECTOR

MULTI CONTROL

SETUP   INPUT MODE   DIMMER   MONITOR

SOUND   LISTEN MODE   SOURCE DIRECT

BAND   AUTO   MEMORY

STANDBY

POWER

ON/STANDBY

A SPEAKERS B

FULL DIGITAL DECODING

PHONES

KENWOOD

3 DISC

03FM 98.20

AUX   TAPE A   TAPE B   TUNER   CD

STOP

MINI HIFI COMPONENT SYSTEM
RXD-A33

KENWOOD

HOME
2000
AUDIO LINE

Easy, Entertaining & Fun

Kenwood technology makes entertainment easy. For instance, our VR-410 A/V receiver's remote features PointLess™ RF technology. No more fidgeting and contorting to aim the remote at the receiver. Just press the button you want. It's that easy. Our PointLess™ remote will even list CD titles when used with a compatible Kenwood CD player. (And it's also IR compatible for use as a universal remote for other A/V components.)

Performance? All our receivers are powered by our exclusive KAM-1 amplifier circuitry. With twice the efficiency and a level thermal plane, KAM-1 is designed for a cleaner sound and greater overall reliability. (It's the switching regulator and one-piece heat sink that does the trick.)

Looking for convenience? Choose one of our full-sized or Home Theater (HTB) systems. Their quality and performance equals our separately-sold components because they're built from our separately-sold components. And all with seamless compatibility and easy set-up. (Our HTB-503 system is upgraded from last year's model, with an extra digital input and output — and 6-channel analog input — for 2000. This year we even have HTB systems with a DVD player included!)

Want to save set-up time? Connect our CD-425M CD changer to a PC and our PC Link NetNamer™ software will access a special internet site (CDDB) and download all CD title and track title info at once — all 200 discs if you want. (And the disc database is over a half million and growing.)

There's a lot to like about Kenwood Spectrum: our exclusive D.R.I.V.E. distortion reduction on our CD-406 CD carousel for a very realistic sound; our 24-bit Digital-to-Analog converters in our CD recorder DR-307W (clean, smooth sound); and Smart Menu II on our mini systems (now multi-lingual!).

But what's really great about our Spectrum series is that you can mix and match components to create you own dream system — from coffeehouse intimate to bachelorette pad cool. The Kenwood Spectrum line is technologically advanced, easy to use, and components work great together in a system. But most of all, it's just fun.

VR-409

dts SURROUND | DOLBY DIGITAL

- Stereo Power (FTC): 100 Watts per Channel RMS (Left/Right)
- Surround Power: 100 Watts per Channel (See Spec Table)
- DTS Digital Surround, Dolby Digital and Dolby Pro Logic
- 3 Audio DSP Modes
- CS Circle Surround 5.1
- Digital Audio Inputs: 4
- 6-Channel Analog Inputs
- S-Video Inputs and Outputs
- CD Track Title Display: with Compatible Changer
- Pre-Programmed/Learning Remote
- KAM-1 Power Amplifier Circuitry

REMOTE CONTROL

VR-410

dts SURROUND | DOLBY DIGITAL

- Stereo Power (FTC): 100 Watts per Channel RMS (Left/Right)
- Surround Power: 100 Watts per Channel (See Spec Table)
- DTS Digital Surround, Dolby Digital and Dolby Pro Logic
- 3 Audio DSP Modes
- CS Circle Surround 5.1
- Digital Audio Inputs: 4
- 6-Channel Analog Input
- S-Video Inputs and Outputs
- Preouts: L/C/R/LS/RS/Sub
- IR Repeater Outputs: 2
- CD Track Title Display: with Compatible Changer
- Pointless™ RF Pre-Programmed/ Learning Remote
- KAM-1 Power Amplifier Circuitry

REMOTE CONTROL

VR-407

dts SURROUND | DOLBY DIGITAL

- Stereo Power (FTC): 100 Watts per Channel RMS (Left/Right)
- Surround Power: 100 Watts per Channel (See Spec Table)
- DTS Digital Surround
- Dolby Digital and Dolby Pro Logic
- Digital Audio Inputs: 4
- 6-Channel Analog Input
- S-Video Inputs and Outputs
- Universal Pre-Programmed Remote
- KAM-1 Power Amplifier Circuitry

REMOTE CONTROL

VR-406

DOLBY DIGITAL

- Stereo Power (FTC): 100 Watts per Channel RMS (Left/Right)
- Surround Power: 100 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo
- Digital Audio Inputs: 3
- 6-Channel Analog Input
- Phono Input with RIAA EQ
- Universal Pre-Programmed Remote
- KAM-1 Power Amplifier Circuitry

REMOTE CONTROL

VR-405

DOLBY DIGITAL

- Stereo Power (FTC): 80 Watts per Channel RMS (Left/Right)
- Surround Power: 80 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo: Full Digital
- DSP Processor: 24-Bit Crystal Semiconductor
- Digital Audio Inputs: 3
- Full-Function 10-Key Remote
- KAM-1 Power Amplifier Circuitry

REMOTE CONTROL

AR-404

- Stereo Power (FTC): 100 Watts per Channel RMS (Left/Right)
- K-STAT Discrete Audio Amplifier
- Audio Inputs/Outputs: 5 / 2
- A/B Speaker Output
- Preouts: Subwoofer
- Full-Function 10-Key Remote

REMOTE CONTROL

HOME THEATER SYSTEMS

HTB-5O3
DTS DIGITAL SURROUND · *DOLBY DIGITAL*

- Complete Surround Sound System Including Receiver, Speakers and Subwoofer
- 600 Watts Total System Power
- Surround Power: 100 Watts per Channel (See spec Table)
- DTS Digital Surround
- Dolby Digital and Dolby Pro Logic
- S-Video Connections
- Magnetically-Shielded Left, Center and Right Speakers
- 2 Surround Speakers with Built-In Wall-Mount Brackets
- 8" Powered Subwoofer with Built-In 100 Watt Amplifier
- Universal Pre-Programmed Remote

HTB-4O3
DOLBY DIGITAL

- Complete Surround Sound System Including Receiver, Speakers and Subwoofer
- 450 Watts Total System Power
- Surround Power: 80 Watts per Channel (See Spec Table)
- Dolby Digital and Dolby Pro Logic
- Magnetically-Shielded Left, Center, and Right Speakers
- 2 Surround Speakers with Built-In Wall-Mount Brackets
- 8" Powered Subwoofer with Built-In 50 Watt Amplifier
- Full-Function 10-Key Remote

HTB-3O3
DOLBY DIGITAL

- Complete Surround Sound System Including Receiver, Speakers and Subwoofer
- 300 Watts Total System Power
- Surround Power: 50 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo
- 2-Way Magnetically-Shielded Left, Center, and Right Speakers
- 2 Surround Speakers with Built-In Wall-Mount Brackets
- 8" Powered Subwoofer with Built-In 50 Watt Amplifier
- Full-Function 10-Key Remote

HTB-2O3A
DOLBY DIGITAL

- Complete Surround Sound System Including Receiver, Speakers and Subwoofer
- 400 Watts Total System Power
- Surround Power: 80 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo
- 5 Full-Range Magnetically-Shielded Speakers
- 8" Subwoofer
- Full-Function 10-Key Remote

CD-R

DR-307W
- Dual Trays
- Digital-to-Analog Converter: 24-Bit Resolution
- Records on CD-R and CD-RW Discs
- Double-Speed Disc Dubbing
- Full-Function 10-Key Remote

REMOTE CONTROL

DVD VIDEO

HTB SYSTEMS

Available July 2000

HTB-503DV
- Complete Surround Sound System Including Receiver, Speakers, Subwoofer and DVD Player
- 600 Watts Total System Power
- Surround Power: 100 Watts per Channel (See Spec Table)
- DTS, Dolby Digital and Dolby Pro Logic Surround Sound
- S-Video Connections
- 2-Way Magnetically-Shielded Left & Right Speakers
- Matching Center and Surround Speakers
- 8" Powered Subwoofer with Built-In 100 Watt Amplifier
- Universal Pre-Programmed Remote
- DVD Player with 24-bit Audio and 10-bit Video Digital-to-Analog Converters

HTB-403DV
- Complete Surround Sound System Including Receiver, Speakers, Subwoofer and DVD Player
- 450 Watts Total System Power
- Surround Power: 80 Watts per Channel (See Spec Table)
- DTS, Dolby Digital and Dolby Pro Logic Surround Sound
- 2-Way Magnetically-Shielded Left & Right Speakers
- Matching Center and Surround Speakers
- 8" Powered Subwoofer with Built-In 50 Watt Amplifier
- Full-Function 10-Key Remote
- DVD Player with 24-bit Audio and 10-bit Video Digital-to-Analog Converters

DV-403
- Video Digital-to-Analog Converter: 10-Bit
- Audio Digital-to-Analog Converter: 24-Bit Resolution, 96kHz Sampling
- Virtual Surround
- Twin Focus Laser Pickup
- Video Outputs: 1 Component, 1 S-Video, 2 Composite
- Full-Function 10-Key Remote
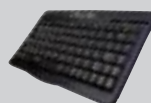
REMOTE CONTROL

200 Disc CD Changers

CD-425M
CDDB ENABLED
- Disc Capacity: 200 Discs
- PC Link NetNamer Automatic Title Downloading: via RS-232 Terminal
- Disc and Track Naming
- Music Type File
- CD Text
- IR Data Input/Output for VR-410/VR-409 LCD Remote Control
- Digital Audio Output: 1 (TOS-link Optical)
- IR Keyboard
- Full-Function 10-Key Remote

CD-424M
- Disc Capacity: 200 Discs
- CD Text
- Disc Naming
- Music Type File
- One-Touch CD Recording (CCRS): Compatible
- Digital Audio Output: 1 (TOS-link Optical)
- IR Keyboard
- Full-Function 10-Key Remote

CD-423M
- Disc Capacity: 200 Discs
- CD Text
- Disc Naming
- Music Type File
- One-Touch CD Recording (CCRS): Compatible
- Digital Audio Output: 1 (TOS-link Optical)
- Full-Function 10-Key Remote

REMOTE CONTROL   REMOTE CONTROL   REMOTE CONTROL

CD Carousels

CD-406
- Disc Capacity: 5 Discs
- Play Exchange: 4 Discs
- DRIVE Distortion Reduction Circuitry
- Digital to Analog Converter: Dual 1-Bit
- Noise Shaping: 3rd-Order
- Digital Audio Output: 2 (1 Coaxial, 1 TOS-Link Optical)
- CD Text
- Full-Function 10-Key Remote

REMOTE CONTROL

CD-404
- Disc Capacity: 5 Discs
- Play Exchange: 4 Discs
- Digital to Analog Converter: Dual 1-Bit
- Noise Shaping: 3rd-Order
- Digital Audio Output: 1 (TOS-Link Optical)
- Full-Function 10-Key Remote

REMOTE CONTROL

CD-403
- Disc Capacity: 5 Discs
- Play Exchange: 4 Discs
- Digital to Analog Converter: Dual 1-Bit
- Noise Shaping: 3rd-Order
- Digital Audio Output: 1 (TOS-Link Optical)

Cassette Decks

CT-405
- Dual Auto-Reverse Transports
- Full-Logic Electronic Control
- Dolby Noise Reduction: B, C
- Dolby HX Pro Headroom Extension
- One-Touch CD Recording (CCRS)
- Dual-Frequency Automatic Bias Adjustment
- Manual Bias Fine-Tuning
- Tape-to-Tape Dubbing

CT-403
- Dual Auto-Reverse Transports
- Full-Logic Electronic Control
- Dolby Noise Reduction: B
- Tape-to-Tape Dubbing
- SL16 Synchro Recording

CT-401
- Dual Tape Transports
- Full-Logic Electronic Control
- Dolby Noise Reduction: B
- Tape-to-Tape Dubbing

Optional Items

KD-492FC
- Drive System: Precision Belt
- DC Servo Motor
- Arm Return Mechanism: Fully Automatic
- Moving Magnet Phono Cartridge

KD-291RC
- Drive System: Precision Belt
- DC Servo Motor
- Arm Return Mechanism: Semi Automatic
- Moving Magnet Phono Cartridge

KE-205-B
- Graphic Equalizer: 7-Band
- Independent Left/Right Channel Adjustments
- LED Adjustment Position Indicators

DEM-9991
- RF Demodulator for Dolby Digital-Compatible Laser Disc Player
- Coaxial Digital Audio Input
- Optical Digital Input
- Coaxial Digital Output
- Auto RF Sense and Switch
- Power On and Signal Lock Indicators
- Shielded Aluminum Construction
- 12V Power Supply Included

XD-A83

- Total System Power: 290 Watts
- Stereo Power (FTC): 65 Watts per Channel (Left/Right, 0.9% THD)
- Surround Power: 110 Watts per Channel (Left/Right) ,35 Watts x 1 (Center), 17.5 Watts x 2 (Surround)
- Dolby Pro Logic Surround
- 6-Channel Analog Input
- Smart Menu Control System: ver II
- 3-Disc CD Changer
- Full-Logic Auto-Reverse Dual Cassette Deck
- 3-Way Speakers with 6-1/4" Woofers
- Center and Surround Speaker Package
- Full-Function 10-Key Remote

XD-A73

- Total System Power: 260 Watts
- Stereo Power (FTC): 120 Watts per Channel (Left/Right, 10% THD 1 KHz)
- 3D Sound Processing
- Smart Menu Control System: ver II
- 3-Disc CD Changer
- Full-Logic Auto-Reverse Dual Cassette Deck
- 3-Way Speakers with Dual 5-1/4" Woofers and Dual Tweeters
- Full-Function 10-Key Remote

P-110

- Designed for XD-Series Mini Systems
- Built-In RIAA EQ/Phono Preamplifier
- Drive System: Precision Belt
- DC Servo Motor
- Arm Return Mechanism: Semi Automatic
- Moving Magnet Phono Cartridge

XD-A53

- Total System Power: 260 Watts
- Stereo Power (FTC): 100 Watts per Channel (Left/Right, 10% THD 1 KHz)
- 3D Sound Processing
- Smart Menu Control System: ver II
- 3-Disc CD Changer
- Full-Logic Auto-Reverse Dual Cassette Deck
- 3-Way Speakers with 6-1/4" Woofers
- Full-Function 10-Key Remote

XD-A33

- Total System Power: 200 Watts
- Stereo Power (FTC): 70 Watts per Channel (Left/Right, 10% THD 1 KHz)
- Bass Boost
- Smart Menu Control System: ver II
- 3-Disc CD Changer
- Full-Logic Dual Cassette Deck with Tape-to-Tape Dubbing
- 2-Way Speakers with 5-1/4" Woofers
- Full-Function 10-Key Remote

Spectrum Systems

Spectrum 895AV
- Surround Power: 100 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo
- 6-Channel Analog Input: DVD Audio-Compatible
- 200-Disc CD Changer with CD Text and Disc Naming
- Dual-Well Auto-Reverse Cassette Deck with Dolby Noise Reduction
- 3-Way Front Speakers with 15" Woofers; Center and Surround Speaker Package
- Universal Pre-Programmed Remote

REMOTE CONTROL

Spectrum 497AV
- Surround Power: 100 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo
- 6-Channel Analog Input: DVD Audio-Compatible
- 5-Disc CD Changer with 4-Disc Play Exchange
- Dual-Well Auto-Reverse Cassette Deck with Dolby Noise Reduction
- 3-Way Front Speakers with 15" Woofers; Center and Surround Speaker Package
- Universal Pre-Programmed Remote

REMOTE CONTROL

Spectrum 495AV
- Surround Power: 100 Watts per Channel (See Spec Table)
- Dolby Digital
- Dolby Pro Logic and Dolby 3 Stereo
- 6-Channel Analog Input: DVD Audio-Compatible
- 5-Disc Rotary CD Changer with 4-Disc Play Exchange
- Dual-Well Full-Logic Cassette Deck with Dolby Noise Reduction
- 3-Way Front Speakers with 10" Side-Firing Woofers; Center and Surround Speaker Package
- Universal Pre-Programmed Remote

REMOTE CONTROL

KVS-407
- 3-Way Tower Configuration
- 10" Side-Firing Polypropylene Cone Woofer
- 4-1/2" Polypropylene Cone Midrange
- 3/4" Titanium Dome Tweeter
- Ported Design
- 125 Watts Power Handling
- Magnetically Shielded
- Frequency Response: 30Hz - 20kHz

KVS-210
- 2-Way Bookshelf Configuration
- 6-1/2" Polypropylene Cone Woofer
- 3/4" Titanium Dome Tweeter
- Ported Design
- 100 Watts Power Handling
- Magnetically Shielded
- Frequency Response: 45Hz - 20kHz

KVS-110
- 2-Way Mini-Bookshelf Configuration
- 4-1/2" Woofer
- 1/2" Titanium Dome Tweeter
- Acoustic Suspension Design
- 60 Watts Power Handling
- Magnetically Shielded
- Built-In Wall-Mount Hardware
- Frequency Response: 80Hz - 20kHz

KVS-54
- 2-Way D'Appolito Configuration
- 4-1/2" Woofer (2)
- 1/2" Titanium Dome Tweeter
- Acoustic Suspension Design
- 100 Watts Power Handling
- Magnetically Shielded
- Frequency Response: 80Hz - 20kHz

KVS-64
- 2-Way Bipolar Configuration
- 4-1/2" Woofer (2)
- 1/2" Titanium Dome Tweeter (2)
- Acoustic Suspension Design
- 100 Watts Power Handling
- Built-In Wall Mounting Hardware
- Frequency Response: 80Hz - 20kHz

SW-303
- 8" Woofer
- Built-In 100 Watt Amplifier
- Ported Enclosure
- Variable Low-Pass Electronic Crossover: Defeatable
- Volume Control
- Auto Power Off
- RCA Audio Input
- Frequency Response: 20Hz - 200Hz

KPM-810
- Active Noise-Canceling Circuitry
- Compact Folding Design
- Drivers: 36mm High-Sensitivity
- Lightweight Neodymium Magnets
- Earcups: Padded Leather, Professional Offset Design
- Headband: Adjustable Snap-Fit
- Cord: 5-Foot Oxygen-Free Copper
- Plug: Gold-Plated, with Adapter
- Carrying Case
- AAA Battery Included

KPM-610
- Open-Air Design
- Drivers: 40mm High-Sensitivity Mylar
- Lightweight Neodymium Magnets
- Professional Offset Earpiece Design
- Earcups: Extra-Large Padded Leather
- Headband: Automatically Adjusting Padded Leather
- Built-In Volume Control
- Cord: Coiled, 8-Foot Single-Side Entry
- Plug: Gold-Plated, with Adapter

KPM-410
- Drivers: 40mm High-Sensitivity
- Lightweight Neodymium Magnets
- Earcups: Extra-Thick Padded Leather
- Headband: Adjustable Extra-Thick Padded Leather
- Built-In Volume Control
- Cord: 10-Foot Single-Side Entry
- Plug: Gold-Plated, with Adapter

KPM-310
- Drivers: 40mm High-Sensitivity
- Lightweight Neodymium Magnets
- Earcups: Padded Leather
- Headband: Adjustable Padded Leather
- Built-In Volume Control
- Cord: 10-Foot
- Plug: Gold-Plated, with Adapter

KPM-210
- Drivers: 34mm High-Sensitivity
- Lightweight Neodymium Magnets
- Headband: Adjustable Snap-Fit
- Earpads: Soft Foam Padded
- Built-In Volume Control
- Cord: 8-Foot
- Plug: Gold-Plated, with Adapter

KPM-100
- Folding Over-Ear Headphones
- Drivers: 29mm High-Sensitivity
- Earpads: Soft Foam Padded
- Headband: Adjustable Snap-Fit
- Cord: 4-Foot
- Plug: Gold-Plated

KPM-50
- Folding Sport-Syle Headphones
- 13mmEar Drivers
- Lightweight Neodymium Magnets
- Adjustable Vertical Headband
- 4-Foot Cord with Gold-Plated Plug
- Carrying Case

KPM-30
- Sports-Style Headphones
- 13mm In-Ear Drivers
- Lightweight Neodymium Magnets
- Adjustable Vertical Headband
- 4-Foot Cord with Gold-Plated Plug

KPM-20
- Ear Bud Design
- 15mm In-Ear Drivers
- Lightweight Neodymium Magnets
- Built-In Volume Control
- 3.5-Foot Cord with Gold-Plated Plug
- Carrying Case

KPM-10
- Ear Bud Design
- 13mm In-Ear Drivers
- Lightweight Neodymium Magnets
- Built-In Volume Control
- 4-Foot Cord with Gold-Plated Plug
- Carrying Case

Receiver Performance Specifications

	VR-410/VR-409/ VR-407/HTB-503/ HTB-503DV	VR-406/ All Spectrum Systems	VR-405/HTB-403 HTB-403DV/ HTB-203A	HTB-303
Power Output				
Stereo Power (20Hz - 20kHz, 0.7% THD, 8 ohms, FTC)	100 Watts x 2	100 Watts x 2*	80 Watts x 2*	50 Watts x 2*
Surround Power (Left & Right, 20Hz - 20kHz, 0.7% THD, 8 ohms	100 Watts x 2	100 Watts x 2*	80 Watts x 2*	50 Watts x 2*
Surround Power (Center, 20Hz - 20kHz, 0.7% THD, 8 ohms)	100 Watts	100 Watts*	80 Watts*	50 Watts*
Surround Power (LSurround/RSurround, 20Hz - 20kHz, 0.7%THD, 8 ohms)	100 Watts x 2	100 Watts x 2*	80 Watts x 2*	50 Watts x 2*
Frequency Response				
CD Input	10Hz - 53kHz (+0, -3dB)	10Hz - 53kHz (+0, -3dB)	10Hz - 53kHz (+0, -3dB)	10Hz - 53kHz (+0, -3dB)
Signal-to-Noise Ratio				
Phono (MM)	75dB	75dB		
Line (CD)	91dB	91dB	91dB	91dB
Tone Control Characteristics				
Bass (100Hz)	±10dB	±10dB	±10dB	±10dB
Treble (10kHz)	±10dB	±10dB	±10dB	±10dB
FM Tuner				
Useable Sensitivity (Mono, 75kHz dev. SINAD 30dB, 75 ohms)	1.6µV, 15.2dBf	1.6µV, 15.2dBf	1.6µV, 15.2dBf	1.6µV, 15.2dBf
50dB Quieting Sensitivity (Stereo, 75 ohms)	31.6µv, 41.2dBf	31.6µv, 41.2dBf	31.6µv, 41.2dBf	31.6µv, 41.2dBf
THD (1kHz, Mono/Stereo)	0.3% / 0.7%	0.3% / 0.7%	0.3% / 0.7%	0.3% / 0.7%
Signal-to-Noise Ratio (1kHz, 75 kHz dev., Mono/Stereo)	75dB / 68dB	75dB / 68dB	75dB / 68dB	75dB / 68dB
Stereo Separation (1kHz)	38dB	38dB	38dB	38dB
Selectivity (±400kHz)	70dB	70dB	70dB	70dB

*40Hz - 20kHz, 0.7%THD, 8 ohms

Spectrum
2000
HOME
AUDIO LINE

KENWOOD

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