ROTEL

15 Series
Product Catalog 2009-2010

## 15 series components

ROTEL

Balanced Design Concept.

15 Series - built on a performance heritage

Our story began nearly 50 years ago yet our ownership and mission have never changed. We are an independent high performance audio/video company with an unwavering ambition to deliver exceptional value. As with the first product we ever made, our components are skillfully manufactured in our own factory thus assuring consistent quality.

We call our design approach Balanced Design Concept, a disciplined synthesis of physics, electronics and mechanical engineering, guided by the belief that the whole should be greater than the sum of its parts. Over the decades, we have received hundreds of rave reviews and awards from publications around the world. Most importantly, we've satisfied hundreds of thousands of people who take their entertainment seriously—like you! We sell our brand only through the most qualified group of audio/video retailers and custom installers who have proven track records for superior knowledge and customer service.

Our new 15 Series range represents the culmination of these five decades of commitment to the art and science of electronics design. We've wrapped cutting edge technologies in stunning brushed metal cabinets; available in either silver or black finishes complementing any setting. We've provided elegantly simple user interfaces and custom installation control features because we understand that technology should serve you and not the other way around. We believe these components inspire pride of ownership only associated with the absolute finest products.

We invite you to visit Rotel on-line and view or download a wealth of product information and general audio/video educational materials in our members' area at www.rotel.com. Better yet, visit your nearest Rotel dealer for a hands-on demonstration.
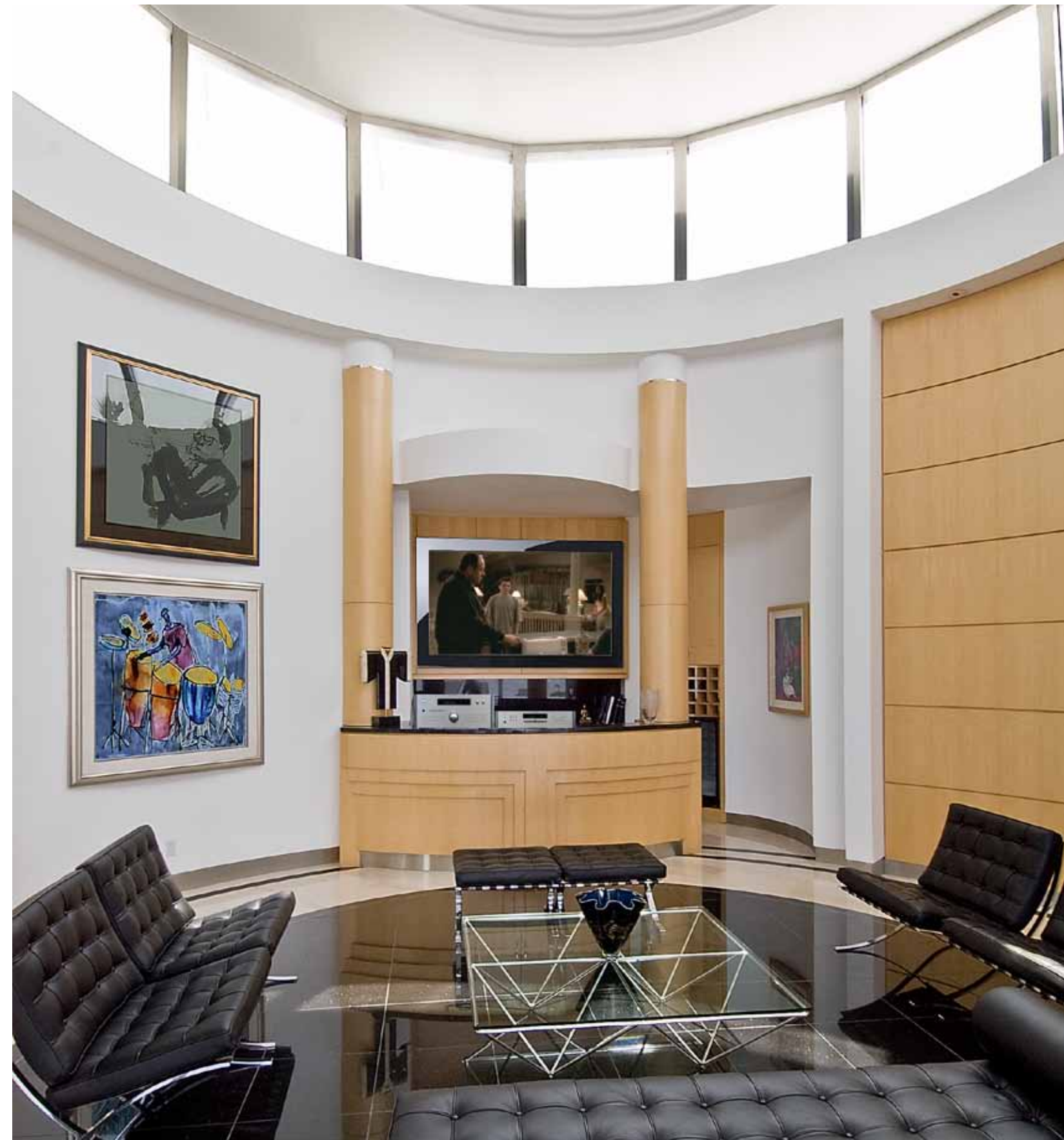
7.1 Channel Home Theater Receiver

- 100 WATTS X 7 CHANNELS
- 200 WATTS X 7 CHANNELS 4 OHMS
- AUDIOPHILE-QUALITY CLASS D AMPLIFIER DESIGN
- EXPANDED HDMI V1.3A PORTS X 4 WITH DEEP COLOR AND XVYCC
- DOLBY® TRUEHD, DOLBY DIGITAL PLUS AND DTS-HD™ MASTER AUDIO, DTS HD HI-RESOLUTION
- FAROUDJA® VIDEO PROCESSING
- 1080P 24HERTZ (FRAMES) COMPLIANT
- ASSIGNABLE 12 VOLT TRIGGERS
- VIDEO TRANSCODING TO HDMI
- ASSIGNABLE CHANNELS FOR BI-AMPING MAIN SPEAKERS OR SECOND ZONE
- BI-DIRECTIONAL RS-232 INTERFACE
- REAR PANEL IR CONTROL PORTS
- SECOND, THIRD AND FOURTH ZONE CAPABLE
- ROTEL SYSTEM REMOTE RR-1061
- DETACHABLE AC CORD
- 4U (7") CABINET

Rotel's RSX-1560 receiver delivers top-of-the-line performance and all of the features you have come to expect from our premium brand. At 7 x 100 watts into 8 ohms, or 7 x 200 watts into 4 ohms, this advanced surround receiver can fill your family or media room with the most dynamic, pulse-pounding, sound effects. Yet, it is just as adept at providing all of the most delicate nuances of voice tracks and music. The RSX-1560 surround receiver features an audiophile quality Class D amplifier design, along with HDMI 1.3A connections. It also features the ability to decode Dolby TrueHD, Dolby Digital Plus, dts-HD Master Audio and dts HD Hi-Resolution audio codecs. The RSX-1560 is a true theater command center and can also provide a multiroom audio solution with up to three additional audio zones throughout the home. All 15 series components are available in silver or black finishes.

Also available in black finish

7.1 Channel Home Theater Receiver

- 100 WATTS X 5 CHANNELS

- 7.1CH SURROUND SOUND PROCESSING. POWER AMPLIFIER ASSIGN FEATURE INTEGRATES ADDITIONAL AMPLIFIER FOR 7 CHANNEL OPERATION

- EXPANDED HDMI V1.3A PORTS X 4 WITH DEEP COLOR AND XVYCC

- DOLBY® TRUEHD, DOLBY DIGITAL PLUS AND DTS-HD™ MASTER AUDIO, DTS HD HI-RESOLUTION

- FAROUDJA® VIDEO PROCESSING

- 1080P 24HERTZ (FRAMES) COMPLIANT

- ASSIGNABLE 12 VOLT TRIGGERS

- VIDEO TRANSCODING TO HDMI

- BI-DIRECTIONAL RS-232 INTERFACE

- REAR PANEL IR CONTROL PORTS

- SECOND, THIRD AND FOURTH ZONE CAPABLE

- ROTEL SYSTEM REMOTE RR-1061

- DETACHABLE AC CORD

The RSX-1550 provides virtually all of the same features found on the RSX-1560 but with a 5 x 100 watt per channel output design. In fact, it maybe reconfigured through the OSD to swap the front channels to surrounds 6 & 7 and permit the addition of another front power amplifier. Either the RB 1572 (250 watts x 2) or RB 1562 (100 watts x 2). This model offers great flexibility as your system and speakers grow. The RSX-1550 is a Class AB design built on nearly 50 years of manufacturing experience. It includes HDMI 1.3A connections and the same ability to handle the new high definition codecs by Dolby and dts as the RSX-1560. It also includes the same multi-zone audio and custom installation features. If you are considering a five-channel theater now but may want to grow into a larger system later on, this is the surround receiver for you.

Note – The RSX-1550 is not a standard U height product but it can be rack mounted and remotely controlled via RS-232, IR, or 12 volt (depending on model) for complete stealth operation.

Also available in black finish

7.1 Home Theater Surround Processor / Preamplifier

- EXPANDED HDMI V1.3A PORTS X 4 WITH DEEP COLOR AND XVYCC

- DOLBY® TRUEHD, DOLBY DIGITAL PLUS AND DTS-HD™ MASTER AUDIO, DTS HD HI-RESOLUTION

- FAROUDJA® VIDEO PROCESSING

- 1080P 24HERTZ COMPLIANT

- ASSIGNABLE 12 VOLT TRIGGERS

- VIDEO TRANSCODING TO HDMI

- BI-DIRECTIONAL RS-232 INTERFACE

- REAR PANEL IR CONTROL PORTS

- SECOND, THIRD AND FOURTH ZONE CAPABLE

- ROTEL SYSTEM REMOTE RR-1061
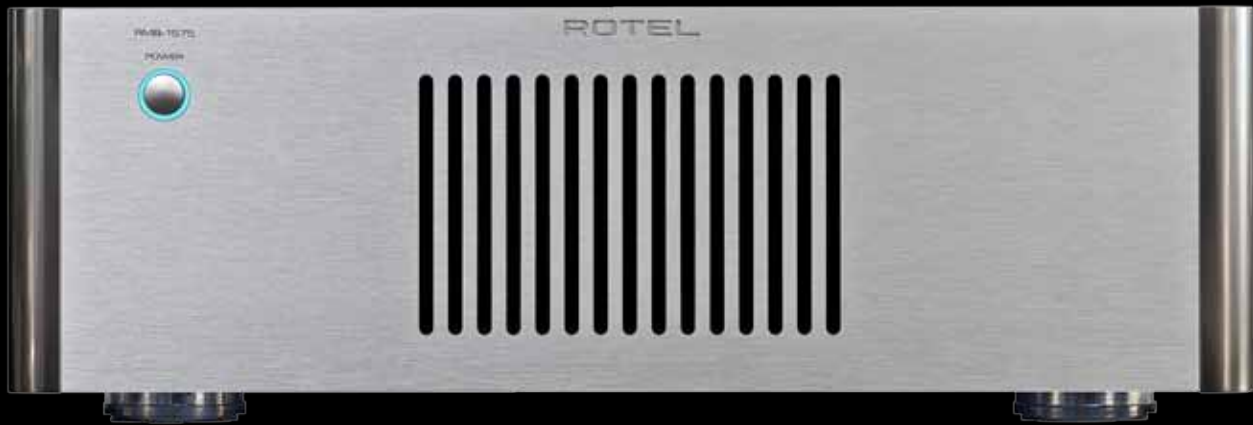
- DETACHABLE AC CORD

- 3U (5.25") CABINET

For those who desire the ultimate performance and maximum flexibility from their home theater, the RSP-1570 is the surround preamp/processor to own. All of Rotel's renowned audio experience has been poured into this design to provide you with the very best in audio and video reproduction. The RSP-1570 features HDMI 1.3A connections with 1080p / 24 Hertz compliance and processing for the new "Deep Color" and xvYCC options. This superbly designed component is easy to set up and use and is a custom installer's friend with rear panel bi-directional RS-232 ports, assignable 12-volt triggers and multiple IR connections. The RSP-1570 can also be used as a "whole house" audio system with its additional multiroom audio outputs.

Also available in black finish

5-Channel Power Amplifiers

RMB-1575

- 250 WATTS X 5 CHANNELS HIGH PERFORMANCE AUDIO AMPLIFIER
- 500 WATTS X 5 CHANNELS 4 OHMS
- CLASS D ENERGY EFFICIENT DESIGN
- 12 VOLT TRIGGER
- FIVE WAY BINDING POSTS
- DETACHABLE AC CORD
- 3U (5.25") CABINET

RMB-1565

- 100 WATTS X 5 CHANNELS HIGH PERFORMANCE AUDIO AMPLIFIER
- 200 WATTS X 5 CHANNELS 4 OHMS
- CLASS D ENERGY EFFICIENT DESIGN
- 12 VOLT TRIGGER
- FIVE WAY BINDING POSTS
- DETACHABLE AC CORD
- 2U (3.5") CABINET

Larger listening environments require prodigious amounts of power to deliver room filling sound. That's exactly what you get with Rotel's 5 x 250 watt power amplifier. Rotel's RMB-1575 is a true high current audiophile design and can double its output to 5 x 500 watts at 4 ohms with all channels driven. Pure muscle alone, however, does not make a superb amplifier. The RMB-1575 excels at extracting all of the smallest audio details from both music and movie soundtracks alike. Best of all, even with its high power capability the RMB-1575 runs relatively cool, extending the components lifespan thanks to its innovative Class D design.

The RMB-1565 is designed around the same superb Class D design as the RMB-1575 but with a slightly smaller output of 5 x 100 watts per channel into 8 ohms. It is the perfect choice for medium to large home theater rooms. Plus, just like its bigger brother, it will double its output with more difficult lower impedance loads, thereby providing 5 x 200 watts into 4 ohms. It also includes all of the custom installation features such as 12 volt triggers, and "U height" dimensions that are demanded of today's modern power amplifiers.

Also available in black finish

RB-1572

- 250 WATTS X 2 CHANNELS HIGH PERFORMANCE AUDIO AMPLIFIER
- 500 WATTS X 2 CHANNELS 4 OHMS
- CLASS D ENERGY EFFICIENT DESIGN
- 12 VOLT TRIGGER
- FIVE WAY BINDING POSTS
- DETACHABLE AC CORD
- 2U (3.5") CABINET

RB-1562

- 100 WATTS X 2 CHANNELS HIGH PERFORMANCE AUDIO AMPLIFIER
- 200 WATTS X 2 CHANNELS 4 OHMS
- CLASS D ENERGY EFFICIENT DESIGN
- 12 VOLT TRIGGER
- FIVE WAY BINDING POSTS
- DETACHABLE AC CORD
- 2U (3.5") CABINET

This high power two-channel amplifier can be used with the RMB-1575 to expand your theater system into a 7.1 system, or it can stand alone as a reference amplifier for a two-channel hi fi system. Either way, it has the same performance characteristics, sound quality, and custom installation options as the five-channel RMB-1575.

Rotel provides multiple amplifier solutions for all of your theater systems. The RB-1562 is a 2 x 100 watt per channel (8 ohms, all channels driven) power amplifier that can be combined with the RMB-1565 amplifier for a total 7 x 100 watts per channel home theater amplification. It is also a great two-channel hi fi amplifier and can drive a wide range of small to large speakers with ease. Its smart Class D design never gets hot and allows it to be put into small cabinet spaces without over-heating itself or other accompanying components.

Also available in black finish

2-Channel Power Amplifiers

Custom Installation Amplifiers
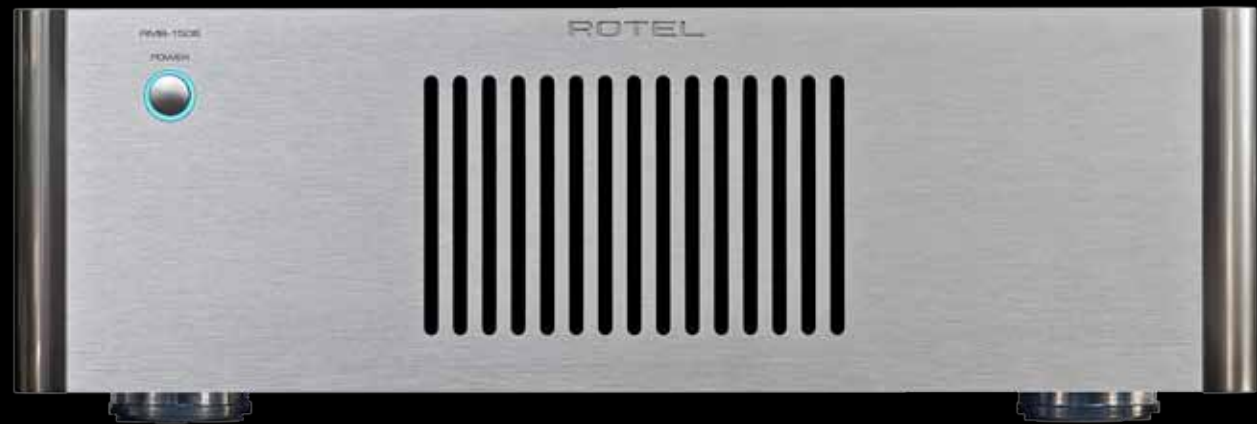
RMB-1512
12-Channel Installation Amplifier

- 100 WATTS X 12 CHANNELS
  HIGH PERFORMANCE AUDIO AMPLIFIER
- AUDIOPHILE QUALITY CLASS D ENERGY
  EFFICIENT DESIGN
- FRONT PANEL ATTENUATION CONTROL
- INPUT BUSSING
- BUFFERED LINK OUTPUTS
- SUM-TO-MONO ON TWO STEREO
  INPUTS = FOUR MONO OUTPUTS
- 12 VOLT TRIGGER, SIGNAL SENSING
- FIVE WAY BINDING POSTS
- SCREW TERMINALS FOR CI
- 3U (5.25") CABINET

RMB-1506
6-Channel Installation Amplifier

- 50 WATTS X 6 CHANNELS @ 8 OHMS
  HIGH PERFORMANCE AUDIO AMPLIFIER
- ANALOG QUALITY CLASS AB DESIGN
- FRONT PANEL ATTENUATION CONTROL
- INPUT BUSSING
- 12 VOLT TRIGGER
- SIGNAL SENSING
- BUFFERED LINK OUTPUTS
- FIVE WAY BINDING POSTS
- DETACHABLE AC CORD
- 3U (5.25") CABINET
- OPTIONAL FAN KIT RKBF-1

RB-1510
2-Channel Power Amplifier

- 65 WATTS X 2 CHANNELS @ 8 OHMS
  HIGH PERFORMANCE AUDIO AMPLIFIER
- 100 WATTS X 2 CHANNELS 4 OHMS
- AUDIOPHILE QUALITY CLASS D ENERGY
  EFFICIENT DESIGN
- FRONT PANEL ATTENUATION CONTROL
- 12 VOLT TRIGGER
- SIGNAL SENSING
- BUFFERED LINK OUTPUTS
- FIVE WAY BINDING POSTS
- SCREW TERMINALS FOR CUSTOM INSTALLATION
- DETACHABLE AC CORD
- 1U (1.75") CABINET

No longer do you need to purchase several large amplifiers to obtain a high performance multizone audio system. The RMB-1512 features an advanced Class D design that provides plenty of power (12 x 100 watts into 8 ohms) for the most demanding multizone audio systems, but never runs the danger of overheating itself or other electronic components placed in the same vicinity. The RMB-1512 features everything needed for remote operation and custom installation including 12 volt trigger signal sensing, input bussing, sum-to-mono, buffered link output, front panel attenuation control, five-way binding posts and screw terminals.

This amplifier is perfect for less elaborate multizone audio systems and can be mated with any of our surround receivers or our preamp/processor to add music throughout three additional living areas or "zones" of your home. You can also add another RMB-1506 for larger multizone applications. As with all Rotel custom installation amplifiers it includes all of the most wanted custom installation features.

Although only 1 U (1.75") height in size, this compact power amplifier will deliver a solid 2 x 65 watts per channel into 8 ohms and 2 x 100 watts into 4 ohms, all channels driven. Since it runs cool, multiple RB-1510 amplifiers can be stacked as required. It is no less formidable in sound quality either with its Rotel heritage of nearly 50 years of amplifier design.

RMB-1512 available in black only,
RMB-1506 and RB-1510 also available in black finish

Classic Stereo Integrated Amplifier

- 60 WATTS X 2 @ 8 OHMS
- CD, TUNER, AUX, TAPE 1 AND TAPE 2 INPUTS
- FRONT PANEL MEDIA INPUT
- PHONO INPUT FOR MOVING MAGNET CARTRIDGES
- TOROIDAL TRANSFORMER
- T NETWORK CAPACITORS MADE IN BRITAIN
- HEADPHONE JACK
- TRIGGER FOR 12 VOLT CONTROL
- SYSTEM REMOTE CONTROL RR-92
- DETACHABLE AC CORD
- 2U (3.5") CABINET

The RA-1520 is a music lover's amplifier and is most at home as part of a stand-alone stereo system. Its muscular 2 x 60 watt (into 8 ohms) design is based upon nearly 50 years of our expertise in analog audio engineering and it delivers all of the musical performance the artist intended. Subtle nuances and large dynamics are both rendered faithfully from uncompressed digital or analog sources. The RA-1520 includes a moving magnet phono input to accommodate your vinyl collection. To complete its functionality, as well as its superb performance capabilities, there are additional inputs for tuner, tape, CD and Aux.

Also available in black finish

RCX-1500

- 2 X 100 WATTS CLASS D AMPLIFICATION
- SLOT LOADING CD FOR STABLE TRANSPORT
- FM/DAB/DAB+ INTERNET RADIO ACCESS TO 15,000 STATIONS
- CAPABLE OF WORKING WITH PREMIUM NETWORK SERVICES. CHECK OUR WEBSITE FOR THE LATEST INFORMATION.
- I-POD/I-PHONE USB DIGITAL SIGNAL INPUT
- MEMORY STICK CLASS 2 MEDIA USB INPUT
- WOLFSON DAC FOR ULTIMATE SOUND PERFORMANCE
- STREAMING UPNP COMPLIANT
- DIGITAL COAX OR TOSLINK INPUT
- ANALOG INPUT AND PRE OUT
- WIRELESS 802.11 DONGLE (INCLUDED)
- BI-DIRECTIONAL RS 232

FM/CD/Streaming-Media Receiver

While the RCX-1500 CD player is an all-in-one model, it has been engineered using components that you would find in more expensive separates. The DAC is the high-performance Wolfson with 24 bit / 192kHz decoding. The amplifier uses our innovative Class D design that is highly efficient, runs cooler than older A/B designs and provides plenty of voltage and current to easily drive lower impedance speakers down to 4 ohms. With 100 watts per channel available, feel free to hook up large floor-standing loudspeakers to the RCX-1500.

The receiver's tuner section includes both terrestrial FM and Internet so your listening options are virtually limitless! There are presently over 15,000 Internet radio stations listed. And in order to help keep your favorite stations handy, the RCX-1500 includes 30 possible presets for instantaneous access to both FM and Internet broadcasts. A wireless Dongle (802.11) is provided for Ethernet connection or you may choose to use a wired connection.

The RCX-1500, like the RDG-1520, supports UPnP technology. UPnP devices are "plug-and-play" in that when connected to a network they automatically announce their network address and supported device and services types, enabling clients that recognize those types to immediately begin using the device. Supported codecs include RealAudio®, WMA, MP3, AAC, AU, WAV and AIFF.

As if all that isn't enough, an RS-232 port provides system control and bi-directional feedback. In addition, the RCX-1500 is also a very high quality CD player, based on our outstanding RCD-1520.

The RCX-1500 is without doubt, one of the most flexible, high performance, single chassis stereo components available today.

Available 2010

Also available in black finish

Digital Gateway Internet Tuner

RDG-1520

- FM/DAB/DAB+/ INTERNET RADIO

- CAPABLE OF WORKING WITH PREMIUM NETWORK SERVICES.
  CHECK OUR WEBSITE FOR THE LATEST INFORMATION.

- I-POD/I-PHONE USB DIGITAL SIGNAL INPUT

- MEMORY STICK CLASS 2 MEDIA USB INPUT

- WOLFSON DAC FOR ULTIMATE
  SOUND PERFORMANCE

- STREAMING UPNP COMPLIANT

- DIGITAL COAX OR TOSLINK INPUT

- WIRELESS 802.11 DONGLE (INCLUDED)

- BI-DIRECTIONAL RS 232

- 2U (3.5") CABINET

RDG stands for Rotel Digital Gateway. The RDG-1520 certainly opens the gate wide for all that streaming media can offer, plus it includes an FM radio and offers a USB input for direct digital connection of an iPod or other USB class 2 devices, bypassing the inexpensive analog output stage in favor of our Wolfson DAC and high-end analog stage. The receiver's tuner section includes terrestrial FM and Internet radio, so your listening options are virtually limitless! There are presently over 15,000 Internet radio stations listed. In order to help keep favorite stations handy, the RCX-1500 includes 30 possible presets for instantaneous access to both FM and Internet broadcasts. You can connect a lap top directly to the RDG-1520 if this is your preference. Or you can stream from your PC using Windows Media Player 11 over a wireless or wired Ethernet connection. A USB to WiFi Ethernet dongle is included. Supported codecs include RealAudio®, WMA, MP3, AAC, AU, WAV and AIFF.

The RDG-1520 can be controlled via bi-directional RS-232, as well as discrete IR. Custom integrators will appreciate that the chassis is a standard 2U size and it works with Rotel's RFK rack kits for an easy, clean installation.

You might think the RDG-1520 would be a multi-thousand dollar component, given all that it does and the high-performance design. The few similar units on the market are indeed very expensive. But the RDG-1520 offers the value proposition that Rotel is known for around the globe.

Available 2010

Also available in black finish

- SLOT LOADING CD MECHANISM
- PLAYS 12CM AND 5CM DISCS
- WOLFSON HIGH PERFORMANCE DAC
- TOROIDAL TRANSFORMER
- CO-AXIAL DIGITAL OUTPUT
- MP3 DISC PLAYBACK
- BI-DIRECTIONAL RS-232 INTERFACE
- ROTEL SYSTEM REMOTE RR-D95
- DETACHABLE AC CORD
- 2U (3.5") CABINET

Classic CD Player

CD players have been around for over twenty-five years and have enjoyed such a progression of quality that they can hardly be compared to the original players released in 1982. Rotel has enjoyed a class leading reputation with our CD player designs since the introduction of the landmark RCD-855 in 1990, pronounced by critic Lewis Lipnick from Stereophile magazine Vol.13, No. 7 as "The steal of the century!"

Now, with the release of the RCD-1520, we have produced a CD player that sets a new standard for the 21st century, taking full advantage of the vast wealth of music now available on compact discs. The RCD-1520 utilizes a segmented power supply with a large toroidal transformer to minimize power supply "sag" and reduce hum emissions. All rectifiers, voltage regulation components and BHC low-ESR storage capacitors are carefully selected, not only for tight tolerance specifications, but in particular, for their sound quality. Both analog and digital circuits undergo this careful scrutiny. For the digital domain, we have specified the superb Wolfson DAC for advanced digital filtration and D/A conversion and Burr Brown low distortion op amplifiers. The CD transport is a high performance slot loading mechanism. The result of this attention to detail is a CD player that will remain a part of your reference audio system for years to come.

Also available in black finish

Classic Stereo Preamplifiers

RC-1580

- CD, TUNER, AUX 1, AUX 2, AUX 3, TAPE INPUTS AND UNITY GAIN STAGE (TAPE 2)
- PHONO STAGE INPUT FOR MOVING COIL AND MOVING MAGNET CARTRIDGES
- THEATER PROCESSOR PASS THROUGH (TAPE 2)
- FRONT PANEL MEDIA INPUT
- TWO PAIRS OF RCA SINGLE ENDED OUTPUTS
- BALANCE CONTROL
- HEADPHONE SOCKET
- RS 232 BI-DIRECTIONAL INTERFACE
- TRIGGER FOR 12 VOLT CONTROL
- ROTEL SYSTEM REMOTE RR-AT97B
- DETACHABLE AC CORD
- 2U (3.5") CABINET

RC-1550

- CD, TUNER, TAPE 1, TAPE 2, AUX INPUTS
- PHONO INPUT FOR MOVING MAGNET CARTRIDGES
- FRONT PANEL MEDIA INPUT
- TWO PAIRS OF RCA SINGLE ENDED OUTPUTS
- BALANCE CONTROL
- HEADPHONE SOCKET
- TRIGGER FOR 12 VOLT CONTROL
- ROTEL SYSTEM REMOTE RR-AT94
- DETACHABLE AC CORD
- 2U (3.5") CABINET

A preamplifier must keep the audio signal as pure as possible, while amplifying and routing various source signals to the power amplifier. The goal of the engineer is to achieve "a straight wire with gain" design, nothing more and nothing less. Of course, the realization of this goal is much harder than it seems, but Rotel's experience and meticulous circuit design has produced a string of exceptional stereo preamplifiers over the years, which has been taken to new heights in the RC-1580.

The RC-1580 is designed for the hi-fi purist in terms of its minimalist approach and absolute musical fidelity. Component parts, such as an oversized toroidal power trans- former and special BHC capacitors, along with circuit topology, have been carefully selected to obtain the best sound possible. For those who want the best of both audio and video worlds a unity gain stage has been included to enable a surround proces- sor to feed straight through to the power amplifier thereby bypassing the volume con- trol. The RC-1580 includes a low noise MM/ MC phono with discrete, differential input stages, as well as CD, Tuner, and two AUX inputs. The preamplifier can be controlled by RS-232, or IR input. A tone defeat, media input socket, headphone socket and remote control is included.

The RC-1550 delivers an extraordinary level of performance. Its rock-solid power supply is comprised of a custom made toroidal transformer and select grade BHC slit foil capacitors. RC-1550 features six line-level inputs in addition to a phono input for moving magnet cartridges. A convenient contour control allows easy and repeatable timbre adjustments. With two sets of main outputs, a 12 volt "trigger " jack, and a Rotel-system remote control for both the pre-amplifier and a companion Rotel CD, tuner, or DVD player, the RC-1550 brings the flexibility and sound quality of Rotel separates within easy reach.

Also available in black finish

Classic Stereo Power Amplifiers

RB-1582

- 200 WATTS X 2 @ 8 OHMS
- CLASS AB DESIGN
- DUAL GOLD PLATED SPEAKER BINDING POSTS
- TOROIDAL TRANSFORMER
- SLIT FOIL CAPACITORS MADE IN BRITAIN
- TRIGGER FOR 12 VOLTS CONTROL
- DETACHABLE AC CORD
- 3U (5.25") CABINET

RB-1552

- 120 WATTS X 2 @ 8 OHMS
- CLASS AB DESIGN
- GOLD PLATED SPEAKER BINDING POSTS
- TOROIDAL TRANSFORMER
- SLIT FOIL CAPACITORS MADE IN BRITAIN
- TRIGGER FOR 12 VOLTS CONTROL
- DETACHABLE AC CORD
- 3U (5.25") CABINET

Rotel has been engineering and manufacturing power amplifiers for decades. The RB-1582 presented here is the culmination of everything we have learned to date about amplifier design and sound quality. It showcases our experience in Class AB design with the implementation of select grade components throughout and over-sized power supplies featuring large toroidal transformers. Rugged, stable, and natural sounding the RB-1582 is the ideal foundation for a high performance music system. Features include 12-volt triggers for remote operation and an IEC detachable power cord. The rated output is 2 x 200 watts into 8 ohms.

The RB-1552 has all of the advanced design features of the higher powered RB-1582, but with a slightly more modest output of 2 x 120 watts into 8 ohms. The rock solid power supply, select grade components, and refined sound are all hallmarks of Rotel's nearly 50 years in audio design and manufacturing. RB-1552 features include 12-volt triggers for remote operation and an IEC detachable power cord.

Also available in black finish

Rack Installation Kits
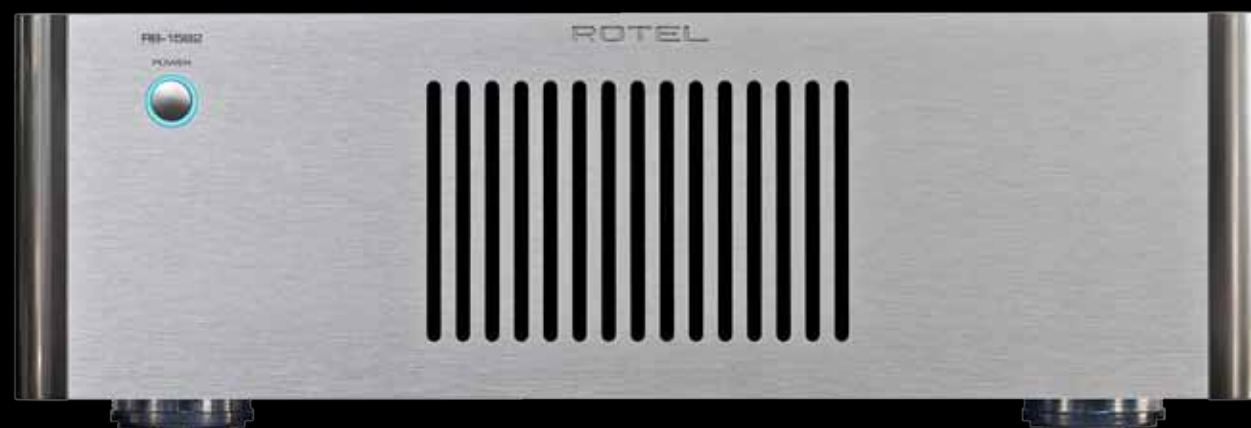
- INCLUDES 5 PAIR OF SUPPORT RAILS AND 32 TRIM PIECES
  (10 X 1U, 10 X 2U, 10 X 3U, 2 X 4U)

Rack installations made easy.
Rotel 15 series cabinets are sized for the
EIA "U" height standard used for profes-
sional equipment. One U is equal to 1.75".
Many custom installations benefit from rack
mounting. Rack height designs negate any
space wastage when placing products one
on top another in the rack. Rotel can supply
a matching cost effective rack rail kit that
is available for 20" or 26" depths as well as
trim parts. A rail will support up to 5U high
models. Products lock into the rack with a
rear screw securing them for transportation.

Specifications

RSX-1560 / RSX-1550

Model	RSX-1560	Model	RSX-1550
Power Output	100 watts x 7/ch	Power Output	100 watts (1kHz < 1.0% THD, 8 ohms, DIN)
all channels driven	(20-20kHz, <0.05% THD, 8 ohms)	per channel (L/R, C, Sr/Sl)	
	200 watts x 7 ch @ 4 ohms < 1% THD	Power Output	75 watts x 5/ch (20-20kHz,
IM Distortion	<0.05%	all channels driven	<0.05% THD, 8 ohms)
S/N Ratio Analogue Bypass	95 dB	IM Distortion	<0.05%
S/N Ratio Digital Input	92 dB	S/N Ratio Analogue Bypass	95 dB
Input Sens. / Impedance	Line Level : 200 mV/100K ohms	S/N Ratio Digital Input	92 dB
Contour (LF/HF)	+/- 6 dB at 50 Hz / 15 kHz	Input Sens. / Impedance	Line Level: 200 mV/100K ohms
Preamp Output Levels	1.0V / 1K ohm	Contour (LF/HF)	+/- 6 dB at 50 Hz / 15 kHz
Decodable Digital Input Signal	Dolby Digital, Dolby Digital EX,	Preamp Output Levels	1.0V / 1K ohm
	Dolby Prologic IIx, DTS, DTS_ES,	Decodable Digital Input Signal	Dolby Digital, Dolby Digital EX, Dolby
	DTS96/24, LPCM (up to 192K), Dolby		Prologic IIx, DTS, DTS_ES,DTS96/24, LPCM
	TrueHD and DTS HD Master Audio		(up to 192K), Dolby TrueHD and DTS HD
			Master Audio
Video		Video	
Frequency Response	3 Hz - 10 MHz, +/-3 dB	Frequency Response	3 Hz - 10 MHz, +/-3 dB (Composite, S-Video)
	(Composite, S-Video)		3 Hz - 100 MHz, +/- 3 dB (Component Video)
	3 Hz - 100 MHz, +/- 3 dB	S/N Ratio	45 dB
	(Component Video)	Input Impedance	75 ohms
S/N Ratio	45 dB	Output Impedance	75 ohms
Input Impedance	75 ohm	Output Level	1.0 Volt
Output Impedance	75 ohm	FM Tuner	
Output Level	1.0 Volt	Usable Sensitivity	14.2 dBf
FM Tuner		Signal / Noise Ratio (at 65 dBf)	70 dBf
Usable Sensitivity	14.2 dBf	Harmonic Distortion (at 65 dBf)	0.03%
Signal / Noise Ratio (at 65 dBf)	70 dBf	Stereo Separation (1 kHz)	45 dB
Harmonic Distortion (at 65 dBf)	0.03%	Output Level	1 V
Stereo Separation (1 kHz)	45 dB	Antenna Input	75 ohms unbalanced
Output Level	1 V	AM Tuner	
Antenna Input	75 ohms unbalanced	Sensitivity	500 uV/m
AM Tuner		Signal to Noise Ratio	40 dB
Sensitivity	500 uV/m	Output Level	500 mV
Signal to Noise Ratio	40 dB	Antenna Input	Loop Antenna
Output Level	500 mV	Power Consumption (Rating)	450 watts
Antenna Input	Loop Antenna	Power Consumption (Idling)	100 watts
Power Consumption (Rating)	500 watts	Power Consumption (Standby)	4.7 watts
Power Consumption (Idling)	79 watts	Power Requirements USA	120 volts, 60 Hz
Power Consumption (Standby)	3 watts	Power Requirements CE	230 volts, 50 Hz
Power Requirements USA	120 volts, 60 Hz	Dimensions (W x H x D) mm	431 x 162 x 435 mm
Power Requirements CE	230 volts, 50 Hz	Dimensions (W x H x D) in	17 x 6 1/2 x 17 1/8 in
Dimensions (W x H x D) mm	431 x 188 x 422 mm	Front Panel Height	150 mm / 5.9 in.
Dimensions (W x H x D) in	17 x 7 3/8 x 16 5/8 in	Shipping Weight	48 lbs.
Front Panel Height	4U (7")		
Shipping Weight	44 lbs.		

RB-1552 / RB-1582

Model	RB-1552	RB-1582
Power Configurations	2 x 120 watts (20Hz-20kHz, <0.03%, 8 Ohms)	2 x 200 watts (20Hz-20kHz, <0.03%, 8 Ohms)
Watts/Channel	120 watts, all channels driven, 8 ohm load, 20-20kHz	200 watts, all channels driven, 8 ohm load, 20-20kHz
THD (20-20,000Hz) 8 Ohms, all channels driven	< 0.03%	< 0.03%
IM Distortion	< 0.03%	< 0.03%
Damping Factor (8 Ohms)	500	1000
Input Sensitivity / Impedance	1.0V / 33kOhms	1.5V / 32kOhms
Frequency Response (+/-1dB)	4 - 100kHz (+0.5dB, -3dB)	15-100kHz (+/-1dB)
S/N Ratio (IHF A)	120dB	116dB
Power Consumption	400 watts	550 watts
Dimensions (W x H x D) mm	431 x 144 x 340 mm	431 x 140 x 406 mm
Dimensions (W x H x D) in	17 x 5.25 x 13.4 in	17 x 5 1/2 x 16 in
Front Panel Height	3 U (5.25")	3U (5.25")
Shipping Weight	31.6 lbs.	40.7 lbs.

RMB-1575 / RB-1572 / RMB-1565 / RB-1562

Model	RMB-1575	RB-1572	RMB-1565	RB-1562
Power Output	250 watts x 5ch (20-20 kHz, 0.03% THD, 8 ohms)	250 watts x 2ch (20-20 kHz, 0.03% THD, 8 ohms)	100 watts x 5ch (20-20 kHz, 0.03% THD, 8 ohms	100 watts x 2ch (20 Hz-20kHz, <0.03% THD, 8 ohms)
all channels driven	500 watts x 5ch (20-20 kHz, 0.03% THD, 4 ohms)	500 watts x 2ch (20-20 kHz, 0.03% THD, 4 ohms)	200 watts x 5ch (20-20 kHz, 0.03% THD, 4 ohms)	200 watts x 2ch (20 Hz-20kHz, <0.03% THD, 4 ohms)
IM Distortion	< 0.03%	< 0.03%	< 0.03%	< 0.03%
Damping Factor (8 ohms)	400	400	200	200
Gain	27.1 dB	27.1 dB	27.2 dB	27.2 dB
Input Sens. / Impedance	1.5 V / 8.3 k ohms	1.5 V / 8.3 k ohms	1.25 V / 8.2 k ohms	1.25 V / 8.3 k ohms
Frequency Response	10 - 80 kHz (+/-3dB)	10 - 80 kHz (+/-3dB)	10 - 40 kHz (+/-3dB)	10 - 40 kHz (+/-3dB)
S/N Ratio (IHF A)	109 dB	109 dB	105 dB	109 dB
Power Consumption	600 watts	280 Watts	250 watts	130 watts
Dimensions (W x H x D) mm	431 x 144 x 406 mm	431 x 99 x 339 mm	431 x 99 x 339 mm	431 x 99 x 339 mm
Dimensions (W x H x D) in	17 x 5 5/8 x 16 in	17 x 3 7/8 x 13 3/8 in	17 x 3 7/8 x 13 3/8 in	17 x 3 7/8 x 13 3/8 in
Front Panel Height	3U (5.25")	2U (3.5")	2U (3.5")	2U (3.5")
Shipping Weight	29.7 lbs.	20 lbs.	18 lbs.	18.25 lbs.

RMB-1512 / RMB-1506 / RB-1510

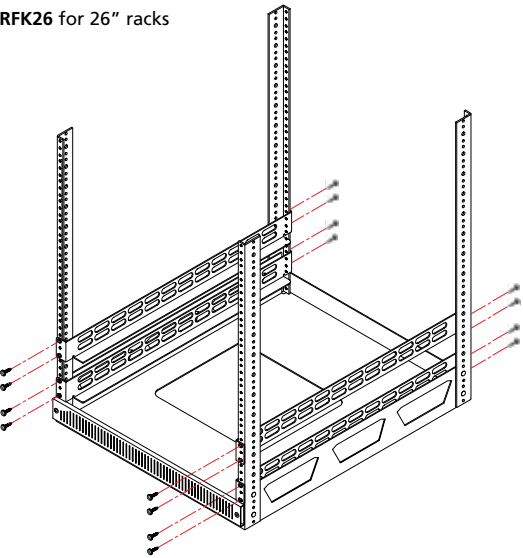| Model	RMB-1512	RMB-1506	RB-1510
Power Output	100 watts x 12ch (20 Hz-20kHz, <0.03% THD, 8 ohms)	50 watts x 6ch (20 Hz-20kHz, <0.03% THD, 8 ohms)	65 watts x 2ch (20 Hz-20kHz, <0.03% THD, 8 ohms)
all channels driven	200 watts x 12ch (20 Hz-20kHz, <0.03% THD, 4 ohms)	100 watts x 6ch (20 Hz-20kHz, <0.03% THD, 4 ohms)	100 watts x 2ch (20 Hz-20kHz, <0.03% THD, 4 ohms)
IM Distortion	< 0.02%	< 0.03%	0.03%, maximun
Damping Factor (8 ohms)	>200	>200	200
Gain	27.2 dB		27.0 dB
Input Sens. / Impedance	1.25 V/9.9 k Ohms	1.0 V / 20 k Ohms	1.0V / 33 kohms
Frequency Response (±1 dB)	10Hz-40kHz (+3dB)	10Hz-100kHz	15-50 kHz (+/-1dB)
S/N Ratio (IHF A)	109 dB	115 dB	108 dB
Power Consumption	660 watts	450 watts	120 watts
Dimensions (W x H x D) mm	431 x 144 x 407 mm	431 x 144 x 424 mm	431 x 55 x 336 mm
Dimensions (W x H x D) in	17 x 5 5/8 x 16 in	17 x 5 5/8 x 16 5/8 in	17 x 2 1/8 x 13 1/4 in
Front Panel Height	3U (5.25")	3U (5.25")	1U (1.75")
Shipping Weight	28 lbs.	42.10 lbs.	14.7 lbs.

RSP-1570

Model	RSP-1570
THD (20-20,000Hz)	<0.05%
IM Distortion	<0.05%
Frequency Response (+/-1 dB)	
Analogue Bypass	10Hz-120kHz, +/- 0.3 dB
Digital Input	10Hz-95kHz, +/- 0.3 dB
S/N Ratio (IHF A)	
Analogue Bypass	95 dB
Digital Input	92 dB
Input Sens. / Impedance	Line Level: 200 mV / 100 k ohms
Contour (LF/HF)	+/- 6 dB at 50 Hz / 15kHz
Preamp Output Levels	1.0 V / 1 k ohm
Decodable Digital Input Signal	Dolby Digital, Dolby Digital EX, Dolby Prologic IIx, DTS, DTS_ES, DTS96/24, LPCM (up to 192K), Dolby TrueHD, DTS HD Master Audio
Video	
Frequency Response	3 Hz - 10MHz, +/- 3 dB (Composite, S-Video) 3 Hz - 100MHz, +/- 3 dB (Component Video)
S/N Ratio	45 dB
Digital Input Impedance	75 ohms
Digital Output Impedance	75 ohms
Digital Output Level	1.0 volt
Power Consumption	60 watts, Standby 5.5 watts
Power Requirements	120 volts, 60Hz (USA version) 230 volts, 50Hz (CE version)
Dimensions (W x H x D) mm	431 x 144 x 335 mm
Dimensions (W x H x D) in	17 x 5 5/8 x 13 1/4 in
Front Panel Height	3U (5.25")
Shipping Weight	29.20 lbs.

Rack Installation Kits
RFK20 for 20" racks
RFK26 for 26" racks

Specifications

Model	RA-1520
Power Configurations	2 x 60 watts (20Hz-20kHz, <0.03%, 8 Ohms)
THD (20-20,000Hz) 8 Ohms, all channels driven	< 0.03%
IM Distortion	< 0.03%
Phono Input	20Hz-15kHz, +/- 0.2dB
Line Level Input	10Hz-100kHz, +1, -3dB
Damping Factor (8 Ohms)	150
Line Input Sensitivity	160mV / 24kOhms
Bass	+3, +4dB at 100Hz
Treble	+ 3dB at 10kHz
Line Input Overload	5V
Phono (MM)	2.4mV / 47kOhms
Phono Overload (MM)	170mV
Preamp Output Levels / Output Impedance	1V / 470 Ohms
S/N Ratio (IHF "A")	>95dB
Power Requirements USA	115 Volts, 60Hz
Power Requirements CE	230 Volts, 50Hz
Power Consumption	300 watts
Dimensions (W x H x D) mm	431 x 99 x 358 mm
Dimensions (W x H x D) in	17 x 4 x 14 in
Front Panel Height	2U (3.5")
Shipping Weight	21 lbs.

Model	RCD-1520
Disc Capacity	1
Frequency Response	20-20kHz (+/- 0.5dB)
Channel Balance	+/- 0.5dB
Phase Linearity	+/- 0.5 degree
S/N Ratio (IHF "A")	> 100dB
Dynamic Range	> 96dB
Digital to Analog Converters	Wolfson High Performance
Channel Separation (1kHz)	> 98dB
THD (20-20,000Hz) 8 Ohms, all channels driven	0.0045%
IM Distortion	0.0045%
Max Audio Line Output	2VRMS
Output Impedance	100 Ohms
Digital Output Level (Coax)	0.5 Volt, Peak to Peak
Digital Output Impedance	75 Ohms
Power Requirements USA	AC 115V, 60Hz
Power Requirements CE	AC 230V, 50Hz
Power Consumption	20 watts
Dimensions (W x H x D) mm	431 x 99 x 320 mm
Dimensions (W x H x D) in	17 x 4 x 12.6 in
Front Panel Height	2U (3.5")
Shipping Weight	18.7 lbs.

Model		RC-1580	RC-1550
	THD (20-20,000Hz) 8 Ohms, all channels driven	0.004%	0.006%
	IM Distortion	0.004% @ 1V out	0.006% @ 1V out
Input Sensitivity & Impedance	Phono (MC)	250mV / 100 Ohms	
	Phono (MM)	2.5mV / 47kOhms	1.2mV / 68kOhms
	Line Level Inputs	150mV / 220kOhms	150mV / 24kOhms
	Phono Overload (MC/MM)	16mV / 160mV	70mV
	Output Sensitivity / Impedance	1V / 100 Ohms	1V / 100 Ohms
Frequency Response	Phono Input	20-20kHz (+/-0.02dB)	20-20kHz (+/-0.05dB)
	Line Level Input	4-100kHz (+/-0.05dB)	4-100kHz (+0, -3dB)
Tone / Contour Controls	Bass	+/- 6 cb @ 100 Hz	+3, +4dB at 100Hz
	Treble	+/- 6dB @ 10kHz	+3dB at 10kHz
Signal to Noise Ratio (IHF "A")	Phono (MC/MM)	70dB / 75dB	70dB
	Line Level	100dB	95dB
	Power Consumption	15 watts	10 watts
	Dimensions (W x H x D) mm	431 x 99 x 337 mm	431 x 99 x 337 mm
	Dimensions (W x H x D) in	17 x 4 x 13.5 in	17 x 4 x 13.5 in
	Front Panel Height	2U (3.5")	2U (3.5")
	Shipping Weight	21.5 lbs.	15.8 lbs.

Model	RCX-1500
Audio	
Continuous Amplifier Power	100 watts/channel (20 - 20k Hz, < 0.05% THD, 8 ohms)
Total Harmonic Distortion	< 0.05% at rated power
Intermodulation Distortion (60 Hz:7 kHz)	< 0.05% at rated power
Wi-Fi Standards	802.11g, 802.11b (2.4 GHz)
Security features	WEP, WPA, WPA2
Security key bits	64, 128, 256
# of Antennas	Internal Antenna Wi-Fi, DAB ¼ wave, FM antenna
DLNA & UPnP able compliant	
Ports Stereo Line Level Input (auxiliary analog input)	
Output, RJ-45 connector for RS 232	
2x USB 1.1 A-connector	
Disc slot-loader, CD-audio only	
Display 4 lines	

Media playback formats / Rates	
Output Sample Rates	8.0 kHz, 11.05 kHz, 12.0 kHz, 16.0 kHz, 22.05 kHz, 24.0 kHz,32.0 kHz, 44.1 kHz, 48.0 kHz
Audio Codecs	w/ Input bitrates MPEG-1 Audio Layer 3 (MP3) - 32, 40, 48, 56, 64, 80, 96, 112, 128,144, 160, 192, 224, 256 and 320 kbit/s
AAC-LC	64, 96, 126, 256, 320 kbit/s
WMA9	64 to 192 kbit/s
WAV (48 kHz Stereo)	bitrates from 16kbit (8 kHz Mono) to 1.92 mbit
Containers Supported MP4 containing AAC-LC media	
M4A containing AAC-LC media	
ASF containing WMA9 media	
Power AC	115 volts, 60 Hz (USA version) 230 volts, 50 Hz (European version)
Dimensions (W x H x D)	391 x 144 x 311 mm, 15.3 x 5 5/8 x 12 1/4 in
Shipping Weight	20 lbs.

Model	RDG-1520
Wi-Fi Standards	802.11g, 802.11b (2.4 GHz)
Security features	WEP, WPA, WPA2
Security key bits	64, 128, 256
# of Antennas	Internal Antenna Wi-Fi, DAB ¼ wave, FM antenna
DLNA & UPnP able compliant	
Ports Stereo Line Level Input (auxiliary analog input)	
Output, RJ-45 connector for RS 232	
2x USB 1.1 A-connector	
Display 4 lines	
Media playback formats / Rates	
Output Sample Rates	8.0 kHz, 11.05 kHz, 12.0 kHz, 16.0 kHz, 22.05 kHz, 24.0 kHz, 32.0 kHz, 44.1 kHz, 48.0 kHz

Audio Codecs	w/ Input bitrates MPEG-1 Audio Layer 3 (MP3) - 32, 40, 48, 56, 64, 80, 96, 112, 128,144, 160, 192, 224, 256 and 320 kbit/s
AAC-LC	64, 96, 126, 256, 320 kbit/s
WMA9	64 to 192 kbit/s
WAV (48 kHz Stereo)	bitrates from 16kbit (8 kHz Mono) to 1.92 mbit
Containers Supported MP4 containing AAC-LC media	
M4A containing AAC-LC media	
ASF containing WMA9 media	
Power AC	100V ~ 240V 50/60 Hz
Dimensions (W, H, D)	431 x 89 x 300 mm 17 x 3.5 x 11.8 in
Shipping Weight	16 lbs.

Back Panels

RSX-1560

RSX-1550

RSP-1570

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