



ROTEL®

15 Series

Product Catalog 2013





15 series components

Introduction	4
7.1 Channel Home Theater Receiver	6
7.1 Home Theater Surround Processor / Preamplifier	8
Multichannel Power Amplifiers	12
2-Channel Power Amplifiers	16
Custom Installation Amplifiers	18
Integrated Stereo Amplifier with Onboard DAC	22
Stereo Digital-to Analog Converter	28
Stereo Preamplifier with Onboard DAC	30
Classic Stereo Power Amplifiers	32
CD Player	34
Rack Installation Kits	36
Specifications	38
Back Panels	42



Introducing the stunning new **15 Series components**



Balanced
Design
Concept.

15 Series- built on a performance heritage

Our story began over 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 Surround-Sound Receiver



- 7 x 100 watts / channel
- Dual 32 bit processors
- Bluetooth capability with included Dongle
- 6 x HDMI v1.4 ports inputs
- 2 x HDMI 1.4 outputs (one with ARC)
- Dolby® TrueHD, Dolby Digital Plus, Dolby PLIIz, dts-HD™ Master Audio
- USB front panel connection
- 10 band parametric EQ
- Advanced bass management
- 24 Bit / 192kHz audio DACs
- Assignable 12-volt triggers
- Video Transcoding to HDMI
- Bi-directional RS-232 interface
- Rear panel IR control ports
- Second, third and fourth zone capable
- Detachable AC cord
- 4U cabinet



Rotel has over 50 years of experience in designing and manufacturing high performance electronics for home entertainment. Our latest advanced component is the new RSX-1562, a 7.1 channel, surround-sound receiver that can serve as master control and amplifier for all audio / video sources and speakers in a home theater system.

The RSX-1562 builds upon the excellence established by its highly acclaimed predecessor, the RSX-1560, but with the addition of new, improved circuitry and technologies such as HDMI® 1.4 with 3D. In addition, the advent of so many video sources such as a cable or satellite box, DVRs, DVD players, and WiFi or Ethernet audio / video feeds from devices such as Apple TV® and Roku® etc., have necessitated adding more HDMI inputs. The RSX-1562 now has six HDMI 1.4 inputs and two HDMI 1.4 outputs, one with an Audio Return Channel (ARC). The ARC in HDMI 1.4 enables a TV via a single HDMI cable, to send audio data “upstream” to an A/V receiver or surround audio controller, increasing user flexibility and eliminating the need for any separate S/PDIF audio connection.

A USB front input for iPod®/iPhone®/iPad® or other MP3 player use is provided. The USB input provides a digital

connection so that the RSX-1562's advanced 24Bit/192K DACs can provide the critical decoding. Additionally, the receiver incorporates Bluetooth operation so that a physical connection of portable audio players (which have this capability), is not required. To provide even more audio versatility, the preamplifier includes a 10 band parametric EQ, and advanced bass management.

Video signals are handled by the latest generation Faroudja® Torino FLI30336 Cortez Advanced Platform offering the most robust set of Faroudja DCDi Cinema video processing technologies available. Torino combines unique analog and digital processing to drastically reduce video noise without sacrificing image quality and sharpness. It also offers next-generation Faroudja RealColor, color management technologies. The Faroudja Torino includes an integrated 3D video decoder. The RSX-1562 is designed to support 3D video signals, whether from Blu-ray players or set-top boxes. The RSX-1562 supports all traditional audio and video processing features with Dolby® TrueHD, Dolby Digital Plus, Dolby Pro Logic IIz, DTS® HD Master Audio, DTS HD and more. Dual 32 Bit DSP's and 24Bit/192K audio DACs ensure high sound quality and performance.

The amplifiers on board the RSX-1562 are a sophisticated Class D design. The power output of the receiver is 7 x 100 watts into 8 ohms @20Hz - 20kHz and can double that figure at 4 ohms. Due to their efficient design, the surround sound receiver runs relatively cool even at higher levels of operation. As heat is a liability for all electronics, this feature benefits the longevity of the unit. Rotel has one of the better warranties in the industry for receivers at 5 years parts and labor.

Multi zone outputs provide composite video and analog audio for 3 zones. Zone control includes source selection, volume and on/off. The RSX-1562 front panel display shows current source, volume and DSP mode. The OSD is available for customer setup using the HDMI video output.

The RSX-1562 is a superbly engineered, surround-sound receiver capable of delivering outstanding audio and video performances from all your music and movie sources.

Also available in black finish

RSX-1562

The Rotel logo consists of the word "ROTEL" in white, uppercase, sans-serif font, centered within a solid green square.

The RSP-1572 is Rotel's latest 7.1 surround sound preamplifier. Its advanced design builds upon a progression of outstanding home theater processors that have received critical acclaim around the globe. The RSP-1572 features important new technologies such as HDMI 1.4 with 3 D capability. It offers six HDMI inputs and two HDMI outputs with one HDMI output having ARC capability (Audio Return Channel). The ARC in HDMI 1.4 enables a TV via a single HDMI cable, to send audio data "upstream" to an A/V receiver or surround audio controller, increasing user flexibility and eliminating the need for any separate S/PDIF audio connection.

A USB front input for iPod®/iPhone®/iPad® or other MP3 player use is provided. The USB input provides a digital connection so that the RSP-1572's high quality 24/192 DACs provide the crucial decoding. Additionally, the preamp/processor incorporates Bluetooth operation (via a wireless Dongle that is included), so that a physical connection of portable audio players (which have that

capability), is not required. To provide even more audio versatility, the preamplifier includes a 10 band parametric EQ, and advanced bass management.

Video signals are handled by the latest generation Faroudja Torina FLI30336 Cortez Advanced Platform offering the most robust set of Faroudja DCDi Cinema® video processing technologies available. Torino combines unique analog and digital processing to drastically reduce video noise without sacrificing image quality and sharpness. It also offers next-generation Faroudja RealColor® color management technologies. The Faroudja Torino also includes an integrated 3D video decoder. The RSP-1572 is designed to properly handle 3D video signals, whether from Blu-ray players or set-top boxes. The RSP-1572 supports all traditional audio and video processing features with Dolby TrueHD, Dolby Digital Plus, Dolby Pro Logic IIz, DTS HD Master Audio, DTS HD and more. Dual 32 Bit DSP's and 24Bit/192K audio DAC ensure high sound quality and performance.

Multi zone outputs provide composite video and analog audio for 3 zones. Zone control includes source selection, volume and on/off. The RSP-1572 front panel display shows current source, volume and DSP mode. The OSD is available for customer setup using the HDMI, Component or Composite main video outputs.

Most important however is the performance of the RSP-1572. Rotel has paid very careful attention to all of the board level components, circuit design and power supply execution to ensure that the RSP-1572 is the very best preamp/processor available yet from this highly respected audio company.

Also available in black finish

RSP-1572

7.1 Home Theater Surround Processor / Preamplifier



- Dual 32 bit processors
- Bluetooth capability with included Dongle
- 6 x HDMI v1.4 ports inputs
- 2 x HDMI 1.4 outputs (one with ARC)
- Dolby® TrueHD, Dolby Digital Plus, dts-HD™ Master Audio
- USB front panel connection
- 10 band parametric EQ
- Advanced bass management
- 24 Bit / 192kHz audio DACs
- Assignable 12-volt triggers
- Video Transcoding to HDMI
- Bi-directional RS-232 interface
- Rear panel IR control ports
- Second, third and fourth zone capable
- Detachable AC cord
- 3U cabinet



Home Theater
Uncompromised

Multichannel Power Amplifiers



RMB-1585

The RMB-1585, Rotel's new flagship theater amplifier, provides both the massive power and sonic sophistication required by the finest home theater systems. With five channels, each capable of producing 200 continuous watts each into 8 ohm loads (a full kilowatt of output power!), the RMB-1585 masters any A/V system regardless of speaker load or room size.

- 200 watts x 5 channels
- Class AB high current design
- RCA and XLR inputs
- 12 volt trigger
- Five way binding posts
- Detachable AC cord
- 5U cabinet with included rack ears

Also available in silver finish





- 120 watts x 5 channels
- Class AB high current design
- 12 volt trigger
- Five way binding posts
- Detachable AC cord
- 4U cabinet with included rack ears



The RMB-1555 uses only discrete output transistors with their higher thermal stability and freedom from the designed-in compromises that characterize their integrated circuit cousins. The Class AB amplifier configuration assures the best balance between power output and thermal efficiency. Power output is conservatively rated at 120 watts per channel into 8 ohms. Truly an amplifier for all uses, the RMB-1555 combines superb execution with maximum reliability to demonstrate Rotel's long devotion to satisfying consumer needs.

Also available in silver finish

RMB-1555

Multichannel Power Amplifiers

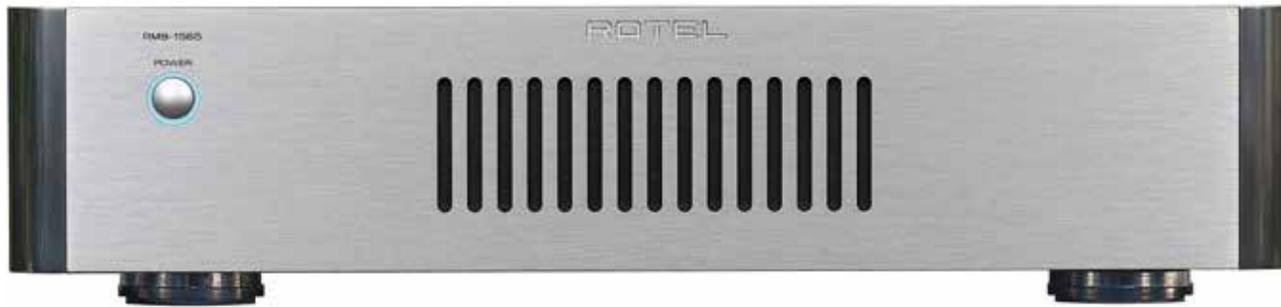


RMB-1575

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.

Also available in black finish

- 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



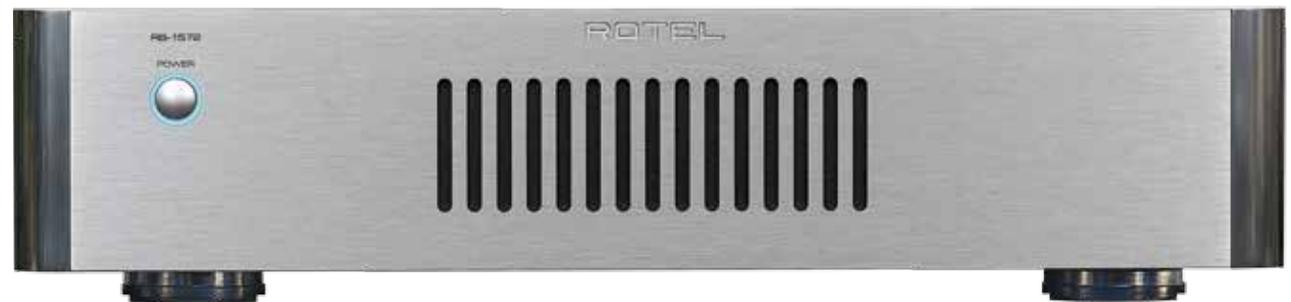
- 100 Watts x 5 Channels High Performance Audio Amplifier
- 200 Watts x 5 Channels 4 ohms
- Class D Energy Efficient
- 12 Volt Trigger
- Five Way Binding Posts
- Detachable AC Cord
- 2U (3.5") Cabinet

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

RMB-1565

2-Channel Power Amplifiers

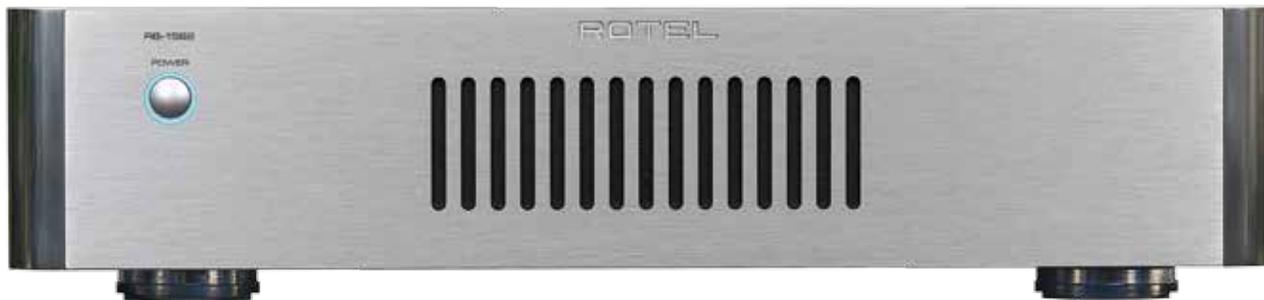


RB-1572

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.

- 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

Also available in black finish



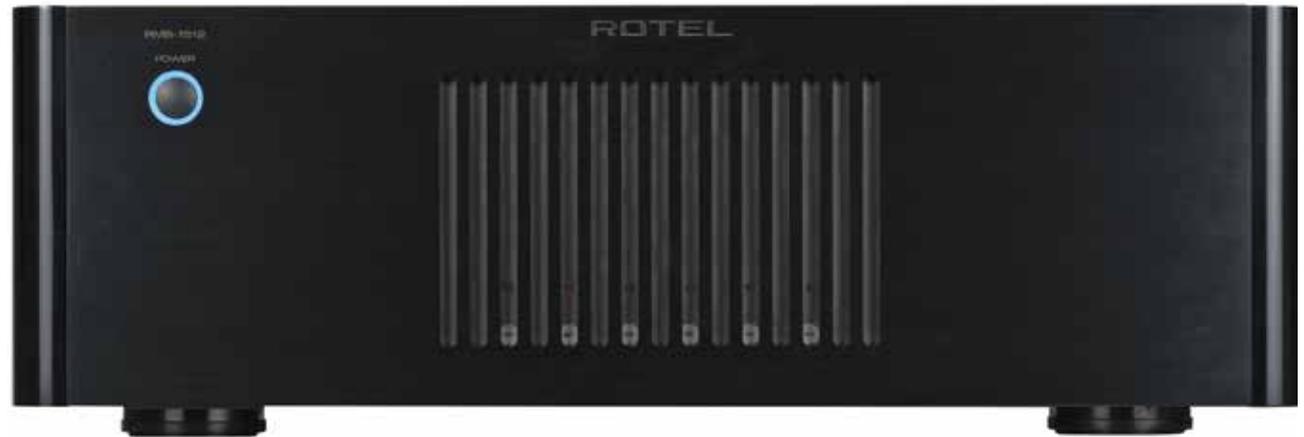
- 100 Watts X 2 Channels High Performance Audio Amplifier
- 200 Watts X 2 Channels 4 ohms
- Class D Energy Efficient Design
- 12 Volt Trigger
- Five Way Binding Posts
- Detachable AC Cord
- 2U (3.5") Cabinet

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

RB-1562

Custom Installation Amplifiers



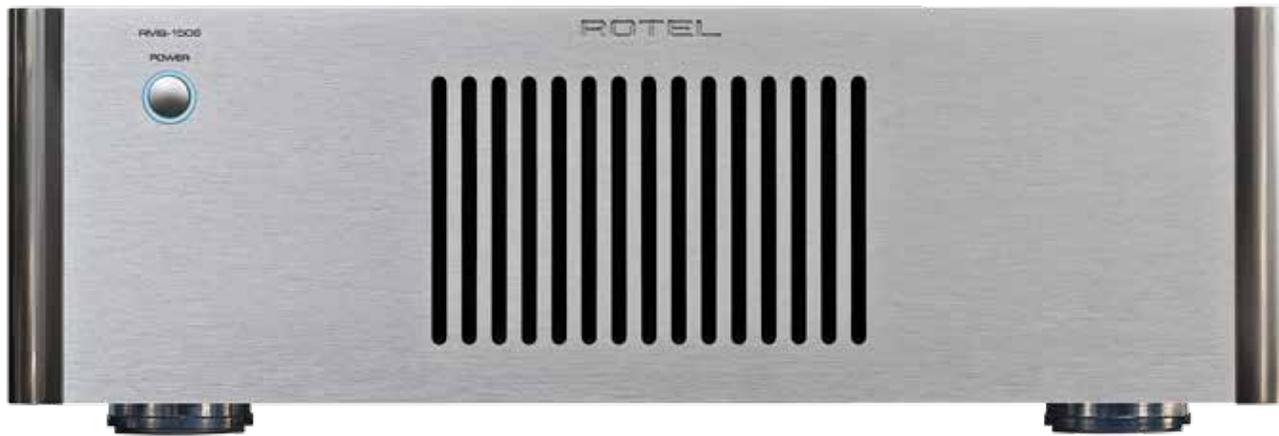
RMB-1512

12-Channel Installation Amplifier

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.

Available in black finish only

- 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



- 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

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.

Also available in black finish

RMB-1506

5-Channel Installation Amplifier



High Performance Music Systems





Integrated Stereo Amplifier with Onboard DAC



RA-1570

Long recognized as a central component in superb yet cost-effective music systems, the integrated amplifier's job has evolved substantially as many music-lovers have migrated to digital sources. The RA-1570 is one of the best examples of melding classic analog design with contemporary digital circuits to bring all of your sources to life with surpassing fidelity.

As typical of Rotel amplifiers, the RA-1570's circuitry draws on a high capacity power supply based on a Rotel custom designed and in-house manufactured oversized toroidal transformer. In addition to providing an abundance of voltage and current for all operating stages, the transformer's toroidal shape helps prevent stray radiation patterns from corrupting audio signals as they pass through adjacent circuit stages.

Subsequent power supply segments built with tight-tolerance parts including T-Network capacitors provide the exact voltage and current requirements to ensure stress-free signal reproduction.

The RA-1570's input section is substantially more flexible than that found in most integrated amplifiers. In recognition of the growing popularity of digital sources, this amplifier provides a front panel USB input for easy connection of a wide variety of music storage devices including Apple iPods, iPhones, and iPads. A rear panel asynchronous PC-USB input supporting files up to 24bit/192kHz is also provided. In addition, two each coaxial (RCA) and optical (TOSlink) inputs provide easy connections for LPCM music sources including popular streaming devices with up to 24-bit word lengths sampled at 192 kHz. Importantly, it is possible to fix the level on these sources for use with devices that provide their own volume control. Analog inputs include a pair of balanced XLR connectors in addition to conventional RCA jacks.

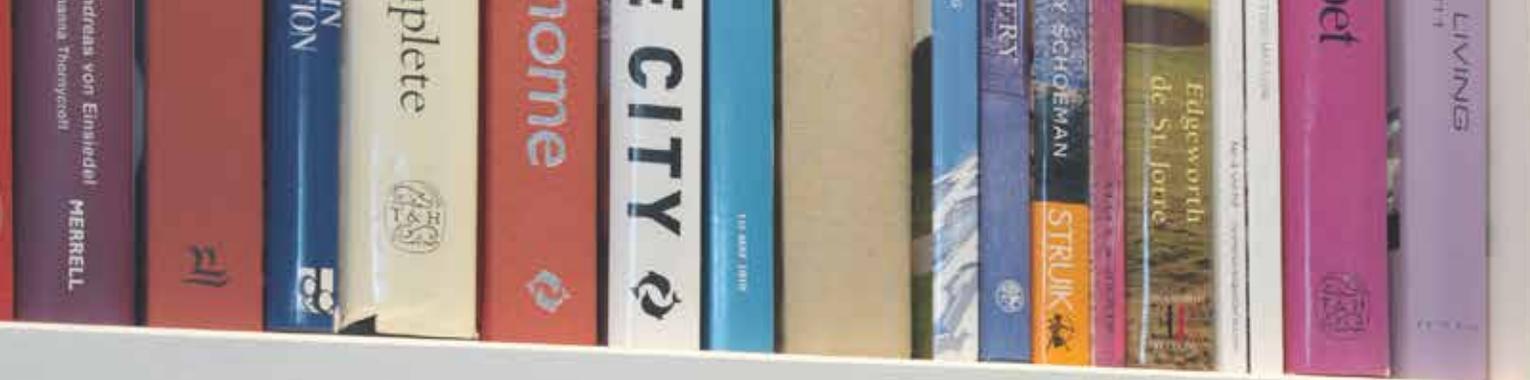
A Wolfson WM8740 stereo D/A converter handles critical conversion from digital data to continuous analog waveforms.

The Class AB output stage uses discrete devices to ensure precise reproduction of all signals regardless of origin with virtually any loudspeaker. The power output, a robust 120 watts per channel into 8 ohms, is substantial as it is a continuous "both channels driven simultaneously" rating fully in keeping with real-world requirements and Rotel's tradition of providing extraordinary value.

User conveniences include separate pre-out/main-in connectors, a highly visible VFD display for set-up, and a precisely calibrated electronic volume control.

Also available in black finish

- 120 watts x 2 channels
- Class AB high current design
- Oversized Toroidal Power Supply
- CD, phono (mm), tuner, aux 1, aux 2, XLR input
- Digital inputs - coaxial 1, coaxial 2, optical 1, optical 2, one USB Front Panel Connection - Apple Certified Type A - AIFF, AAC (m4a), WAV, MP3, WMA, one rear panel PC-USB Connection
- Wolfson Premium DAC - 24 bit / 192kHz
- Blue Tooth capability with included Dongle
- Fixed gain volume option (DAC/Amp)
- Speakers A+B
- Pre-Outs
- 12 volt trigger
- RS-232 control
- Headphone jack
- Detachable AC cord
- 3U cabinet





High Performance Audio

ROTEL

Integrated Stereo Amplifier with Onboard DAC



RA-12

Music has changed. Today we can stream it, download it, play whatever we like, whenever we like. But all too often, this convenience has come with a price: sound quality. That is, until now. Our new RA-12 has all the connectivity you need to make the most of your digital music. And the advanced audiophile technology to really bring it to life. The RA-12 - uncompromising sound, for a connected world.

Also available in silver finish



- 2 x 60 watts per channel - Class A/B
- Oversized Toroidal Power Supply
- CD, phono, tuner, aux 1, aux 2 (rear panel)
- Digital inputs - coaxial 1, coaxial 2, optical 1, optical 2 (rear panel), one USB Front Panel Connection - Apple Certified Type A - AIFF, AAC (m4a), WAV, MP3, WMA
- Wolfson Premium DAC - 24 bit / 192kHz
- File Formats - Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
- Blue Tooth capability with included Dongle
- Speakers A+B
- Pre-Outs
- 12-volt trigger
- Headphone jack
- Detachable AC cord



RDD-1580

- Wolfson dual DACs
- Front panel USB (Blue Tooth dongle supplied)
- Rear panel PC-USB input supports files up to 24 bit / 192kHz
- Two sets of RCA coax inputs
- Two sets of optical inputs
- RCA and XLR outputs
- RS-232 control
- 12-volt trigger
- Detachable AC cord
- 1U cabinet

Stereo Digital-to-Analog Converter



Rotel's new digital-to-analogue converter envelops the listener in the most accurate audio reproduction possible from any digital source, whether it be legacy PCM sources or the latest in digital file formats.

The RDD-1580 provides a level of performance unheard of at its price level and is specifically designed to cater for the growing popularity of high definition digital audio.

At its heart, the RDD-1580 makes use of Wolfson's extraordinary WM8740 stereo digital-to-analogue converter. But where competitive products use only one of these converters to handle two channels, the RDD-1580 uses two WM8740s in a complementary configuration which reduces noise and distortion well beyond that a single converter can provide.

Another RDD-1580 advantage lies in its input flexibility. A front panel USB input supports Apple iPod®, iPhone®

and iPad® as well as streaming via Bluetooth with the included adapter. The rear panel PC-USB input supports files up to 24 bit/192kHz in asynchronous mode.

Two sets of rear panel RCA-style coaxial and Toslink optical digital inputs are optimized for LPCM data streams. This includes CDs 16-bit/44.1 kHz standard to high definition sources with 24-bit/192 kHz audio data.

A Rotel-designed and manufactured toroidal transformer sits at the foundation of the RDD-1580's well-regulated power supply. Advanced custom-designed slit-foil capacitors provide electrical storage capabilities to ensure substantial and stable operating voltages and current to feed the critical circuit stages.

The carefully tuned analogue section is another example of Rotel's award-winning Balanced Design approach where specifications alone do not dictate which

electronic parts are selected. Rather, extensive listening tests are carried out under controlled conditions to determine the best way forward. During this time the entire circuit is carefully tuned to provide sonically accurate signal reproduction.

The RDD-1580 provides both single-ended and balanced outputs with RCA and XLR connectors respectively. Recognizing today's changing tastes in audio sources, the RDD-1580 even provides high-current charging capability (2.1 amperes) for an iPad® or similar device to reduce clutter and increase needed desk space while expanding your audio source options.

Built for stunning sound quality but designed for today's ever-increasing digital world, the RDD-1580 offers a first rate combination of superior sonics and convenience.

Also available in silver finish



RC-1570

- CD, Tuner, Aux 1, Aux 2, XLR input
- Phono input for moving magnet
- Wolfson 24 / 192 DAC
- Digital inputs (2 x coax, 2 x optical), one front panel USB (Bluetooth dongle supplied), and one PC-USB rear panel input for up to 24 bit / 192kHz
- Two pairs of RCA outputs
- One pair of XLR outputs
- Balance controls
- Headphone socket
- RS-232 control
- 2 x Trigger for 12-volt control
- Detachable AC cord
- 2U cabinet

Stereo Preamplifier with Onboard DAC



Separate components hold the promise of the best possible fidelity, since each device is optimized for its role in the sound reproduction chain. Rotel has been designing and manufacturing high performance components for dedicated enthusiasts for over 50 years. Those decades of experience, along with precise and efficient in-house manufacturing, are fully evident in Rotel separates. As countless reviewers have testified over the years, they rival and frequently exceed the performance of much higher priced offerings. The new RC-1570 stereo preamplifier, a blend of cutting edge digital circuitry with on-board Digital-to-Analog conversion and classic analog stages, is the latest example.

Beneath the clean lines and user friendly fascia of the RC-1570 lies highly sophisticated engineering. Both analog and digital sources have been given equal consideration as today's listener often has several digital

sources, but may also enjoy legacy formats like vinyl LPs. A large toroidal transformer and regulated power supply ensures stable current and voltage requirements to all stages under dynamic conditions. Premium circuit components have been selected only after extensive listening evaluations. Careful routing of all low level signals has been practiced to ensure impressive signal to noise levels. The result is effortless musical dynamics, impressive detail and scale.

The RC-1570 stereo preamplifier is also extremely flexible. Four digital inputs (2 co-ax and 2 optical), plus the rear PC-USB handle digital sources up to 24/192 resolution. The 4 inputs are designed for sources such as TV set-top boxes, flat panel TVs or Blu-ray players for stunning playback. The PC-USB input makes use of audio playback software such as iTunes or Windows Media Player to replay music from

your computer digital library. A Bluetooth dongle is provided to be used with the front USB input. A premium Wolfson stereo D/A converter handles critical conversion from digital data to analog. Analog inputs include balanced XLR connectors (perfect for connecting the RCD-1570 via its XLR outputs) in addition to four pair of conventional RCA inputs. A moving magnet phono stage rounds out the source capability. XLR and single ended outputs are provided, as are two 12-volt triggers to control on/off operation of an amplifier and/or other components and RS-232 on a standard DB-9 connector. In short, the RC-1570 is a tremendous value and the perfect upgrade for owners of older analog-only preamplifiers.

Also available in silver finish

Classic Stereo Power Amplifiers



RB-1582 MKII

Rotel's largest stereo amplifier at 200 watts per channel provides the massive current to drive the very largest hi fi systems effortlessly. And like its smaller brother, the RB-1582MKII has been designed to excel at resolving the subtle details in music as well as supplying the brawn required for extremely dynamic passages. It is able to achieve this difficult dual requirement because of the meticulous attention paid to circuit design and parts selection.

The RB-1582MKII stereo power amplifier is yet another outstanding example of Rotel's Balanced Design Concept and will form the heart of a very impressive stereo or home theater system for years to come.

Also available in silver finish

- 200 watts x 2 @ 8 ohms
- Dual gold finished speaker binding posts
- Toroidal transformer
- Slit foil capacitors Made in Britain
- RCA and XLR inputs
- Trigger for 12 volts control
- Detachable AC cord
- 3U cabinet with included rack ears





- 120 watts x 2 @ 8 ohms
- Dual gold finished speaker binding posts
- Toroidal transformer
- Slit foil capacitors Made in Britain
- RCA and XLR inputs
- Trigger for 12 volts control
- Detachable AC cord
- 3U cabinet with included rack ears



The RB-1552MKII is a 120 watt per channel class A/B amplifier. It is engineered to be powerful and robust, yet able to extract every last nuance out of even the most complex musical score.

Notable features of the amplifier include independent left and right power rectification stages and decoupling. The layout is essentially a mono block design.

The RB-1552MKII stereo amplifier has been engineered to provide high-resolution audio performance, yet it is very affordable, as has been the tradition with Rotel electronics for over 50 years.

Also available in silver finish

RB-1552 MKII



Those who haven't heard Rotel's RCD-1570 might believe that there's nothing new in CD players. Those who have heard it tell an entirely different story.

Since 1982, when the CD was introduced, Rotel has been refining technology and evolving circuitry to bring you extraordinary sound. The RCD-1570, the outstanding CD player in Rotel's 15 series, focuses careful refinements to reveal even the most subtle nuances buried in a CD's pit spiral.

One of the RCD-1570's most important features is the Wolfson WM8740 digital filter/stereo digital-to-analog converter. Originally developed for high resolution sources, it is the product of extensive research and real world testing and processes digital signals up to 24-bits in length at sampling rates from 8 kHz to 192 kHz.

While word lengths and sampling speed may seem excessive for CDs delivering data at far lower rates, this high speed facility adds reserve capability to ensure proper reproduction under all circumstances. As the most

crucial link between a CD's digital data and the analog world in which we listen, this converter boasts significant attributes in addition to its superb high resolution capabilities.

Another advance is the RCD-1570's slot-loading disc transport. In addition to mechanical simplicity and improved reliability, this design isolates the CD itself from potentially destructive vibration modes that may affect musical definition. And from a purely aesthetic viewpoint, it adds elegance by simplifying the front panel's appearance.

The post-converter analog circuitry benefits from Rotel's decades-long experiences in crafting the finest sounding pathway from the D/A's internal output to single and balanced rear panel connectors that bridge the gap between the RCD-1570 and down-stream components. All circuit components - resistors, capacitors, inductors - are chosen only after their positive contribution to sound quality were quantified and verified qualitatively by extensive listening sessions.

All of these circuits draw on a power supply based on an oversized custom Rotel-designed and precision-manufactured toroidal power transformer that, in turn, feeds precise rectifiers, tight-tolerance voltage regulators, and advanced Slit-Foil low-ESR storage capacitors, all globally-sourced to ensure musically accurate operation under even the most demanding conditions.

XLR connectors provide balanced outputs, long recognized for their superior noise-rejecting characteristics while high quality RCA connectors provide an easy pathway to the myriad of components with single-ended inputs.

This is all part of Rotel's long-proven Balanced Design Concept. It's yet another way of assuring you that the RCD-1570 evidences a level of attention that will make it part of your reference-level music system for years to come.

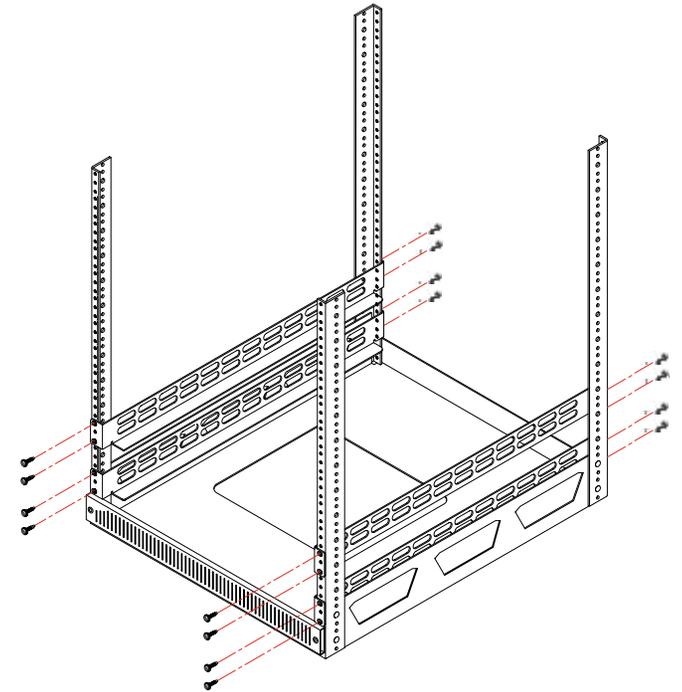
Also available in black finish



- Slot loading
- Wolfson 24 bit / 192kHz DAC
- Toroidal Transformer
- RCA and XLR Outputs
- Coaxial digital output
- RS-232 control
- 12 volt trigger
- Detachable AC cord
- 2U cabinet

RCD-1570

Rack Installation Kits



Rack installations made easy.

Rotel 15 series cabinets are sized for the EIA "U" height standard used for professional 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.



RFK20 for 20" racks
RFK26 for 26" racks

Specifications

Model	RSX-1562
Audio	
Continuous Amplifier Power	100 watts/ch (7 channels driven) (20-20kHz, <0.05% THD, 8 ohms)
Continuous Amplifier Power Total Harmonic Distortion	200 watts (1kHz, <1.0% THD, 4 ohms, DIN) <0.008%
Frequency Response	10Hz - 120kHz, ±3dB (analog bypass) 10Hz - 95kHz, ±0.3dB (digital input)
Signal to Noise Ratio (IHF A-weighted)	95 dB (analog bypass) 92 dB (Dolby Digital, DTS) 0 dBFs
Input Sensitivity/Impedance	Line Level: 200 mV/100k ohms
Preamp Output Level/Output Impedance	1.0V/1k ohms
Decodable Digital Input Signals	Dolby Digital, Dolby Digital EX, Dolby Pro Logic IIz, DTS, DTS-ES, DTS 96/24, DTS-ES 96/24, LPCM (up to 192k). Lossless audio formats (using HDMI 1.4): Dolby TrueHD and DTS HD Master Audio.
Decodable USB/iPod® Digital Input Signals	AIFF, AAC(m4a), WAV, MP3, WMA
Video	
Input Resolution	480i/576i, 480p/576p, 720p, 1080i 1080p, 1080p 24Hz, 3D (HDMI only)
Output Resolution	480i/576i (Composite only), 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D (HDMI only)
Signal to Noise Ratio	45dB
Input Impedance	75 ohms
Output Impedance	75 ohms
Output Level	1 V
HDMI Inputs/Outputs	Version 1.3, supporting Deep Color passthrough and Broad Color Space passthrough. Version 1.4, supporting 3D passthrough and Audio Return Channel
FM Tuner	
Usable Sensitivity	14.2 dBf
Signal to Noise Ratio (at 65dBf)	70 dB
Harmonic Distortion (at 65dBf)	0.03%
Stereo Separation (1 kHz)	45 dB
Output level	1 V
Antenna Input (unbalanced)	75 ohms
AM Tuner	
Sensitivity	50 µV/m
Signal to Noise Ratio	40 dB
Output Level	500 mV
Antenna Input	Loop Antenna
Power Consumption	500 watts, 0.5 watt (Standby)
Power Requirements (AC)	120 volts, 60 Hz (USA version) 230 volts, 50 Hz (EC version)
Weight	15.5kg/34.17 lb
Dimensions (W x H x D) mm	431 x 188 x 422mm
Dimensions (W x H x D) in	17 x 7 1/2 x 16 5/8 in
Front Panel Height (feet removed for rack mount)	4U/176.8mm/7 in

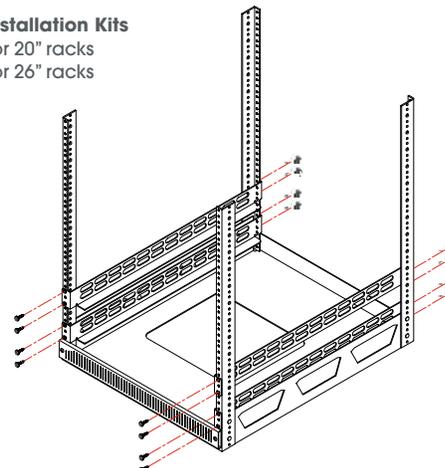
Model	RSP-1572
Audio	
Total Harmonic Distortion	<0.008%
IM Distortion (60Hz:7kHz)	<0.008%
Frequency Response	10Hz - 120kHz, ±3dB (analog bypass) 10Hz - 95kHz, ±0.3dB (digital input)
Signal to Noise Ratio (IHF A-weighted)	95 dB (analog bypass) 92 dB (Dolby Digital, DTS) 0 dBFs
Input Sensitivity/Impedance	Line Level: 200 mV/100k ohms
Preamp Output Level/ Output Impedance	1.0V/1k ohms
Decodable Digital Input Signals	Dolby Digital, Dolby Digital EX, DTS, DTS-ES, DTS 96/24, DTS-ES 96/24, LPCM (up to 192k). Lossless audio formats (using HDMI 1.3): Dolby TrueHD and DTS HD Master Audio.
Decodable USB/iPod® Digital Input Signals	AIFF, AAC(m4a), WAV, MP3, WMA
Video	
Input Resolutions	480i/576i, 480p/576p, 720p, 1080i 1080p, 1080p 24Hz, 3D (HDMI only)
Output Resolution	480i/576i (Composite only), 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D (HDMI only)
Signal to Noise Ratio	45 dB
Input Impedance	75 ohms
Output Impedance	75 ohms
Output Level	1.0 volt
HDMI Inputs/Outputs	Version 1.3, supporting Deep Color passthrough and Broad Color Space passthrough. Version 1.4, supporting 3D passthrough and Audio Return Channel
Power Consumption	60 watts, 0.5 watt (standby)
Power Requirements (AC)	120 volts, 60 Hz (USA version) 230 volts, 50 Hz (EC version)
Weight	9.7kg/21.38 lb
Dimensions (W x H x D) mm	431 x 143 x 338mm
Dimensions (W x H x D) in	17 x 5 5/8 x 13 1/2 in
Front Panel Height (feet removed for rack mount)	3U/132.6mm/5 1/4 in

Model	RMB-1585	RMB-1575	RB-1572	RMB-1565	RB-1562	RMB-1555
Power Output all channels driven	200 watts x 5ch (20Hz-20kHz, <0.03% THD, 8 ohms)	250 watts x 5ch (20Hz-20kHz, 0.03% THD, 8 ohms) 500 watts x 5ch (20-20 kHz, 0.03% THD, 4 ohms)	250 watts x 2ch (20Hz-20kHz, 0.03% THD, 8 ohms) 500 watts x 2ch (20-20 kHz, 0.03% THD, 4 ohms)	100 watts x 5ch (20Hz-20kHz, 0.03% THD, 8 ohms) 200 watts x 5ch (20-20 kHz, 0.03% THD, 4 ohms)	100 watts x 2ch (20Hz-20kHz, <0.03% THD, 8 ohms) 200 watts x 2ch (20 Hz-20kHz, <0.03% THD, 4 ohms)	120 watts x 5ch (20Hz-20kHz, <0.03% THD, 8 ohms)
IM Distortion	< 0.03%	< 0.03%	< 0.03%	< 0.03%	< 0.03%	< 0.03%
Damping Factor (8 ohms)	260	400	400	200	200	180
Gain	26.5 dB	27.1 dB	27.1 dB	27.2 dB	27.2 dB	26.5 dB
Input Sens. / Impedance	1.5 V / 12 k ohms	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	1.5 V / 12 k ohms
Frequency Response	10Hz - 100kHz (±3dB)	10 - 80 kHz (±3dB)	10 - 80 kHz (±3dB)	10 - 40 kHz (±3dB)	10 - 40 kHz (±3dB)	10Hz - 100kHz (±3dB)
S/N Ratio (IHF A)	116 dB	109 dB	109 dB	105 dB	109 dB	116 dB
Power Consumption	800 watts	600 watts	280 watts	250 watts	130 watts	650 watts
Dimensions (W x H x D) mm	431 x 237 x 454mm	431 x 144 x 406mm	431 x 99 x 339mm	431 x 99 x 339mm	431 x 99 x 339mm	431 x 188 x 454mm
Dimensions (W x H x D) in	17 x 9 3/8 x 17 7/8 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	17 x 7 1/2 x 17 7/8 in
Front Panel Height	5U (8 3/4")	3U (5.25")	2U (3.5")	2U (3.5")	2U (3.5")	4U (7")
Shipping Weight	92.6 lb (Include rack ears)	29.7 lb	20 lb	18 lb	18.25 lb	56.9 lb (Include rack ears)

Model	RMB-1512	RMB-1506
Power Output all channels driven	100 watts x 12ch (20 Hz-20kHz, < 0.03% THD, 8 ohms) 200 watts x 12ch (20 Hz-20kHz, < 0.03% THD, 4 ohms)	50 watts x 6ch (20 Hz-20kHz, < 0.03% THD, 8 ohms) 80 watts x 6ch (DIN 1K Hz, 1.0% THD)
IM Distortion	< 0.03%	< 0.03%
Damping Factor (8 ohms)	200	200
Gain	27.2 dB	26 dB
Input Sens. / Impedance	1.25 V/8.3kohms	1.0 V / 20kohms
Frequency Response	10Hz-40kHz (±3dB)	10Hz-100kHz (±3dB)
S/N Ratio (IHF A)	105 dB	115 dB
Power Consumption	660 watts	450 watts
Dimensions (W x H x D) mm	431 x 144 x 407mm	431 x 144 x 424mm
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
Front Panel Height	3U (5.25")	3U (5.25")
Shipping Weight	28 lb	42.10 lb

Model	RB-1552 MkII	RB-1582 MkII
Power Output all channels driven	120 watts x 2ch (20Hz-20kHz, < 0.03% THD, 8 ohms)	200 watts x 2ch (20Hz-20kHz, < 0.03% THD, 8 ohms)
IM Distortion	< 0.03%	< 0.03%
Damping Factor (8 ohms)	450	800
Input Sens. / Impedance		
Unbalanced	12k ohms/1.5 volt	12k ohms/1.9 volt
Balanced	100k ohms/2.5 volt	100k ohms/3.0 volt
Frequency Response	10-100kHz (±0.5dB)	10-100kHz (±0.5dB)
S/N Ratio (IHF A)	120 dB	116 dB
Power Consumption	400W	500W
Dimensions (W x H x D) mm	431 x 144 x 340mm	431 x 144 x 407mm
Dimensions (W x H x D) in	17 x 5.25 x 13.4 in	17 x 5 7/8 x 16 in
Front Panel Height	3 U (5.25")	3U (5.25")
Shipping Weight	31.6 lb	40.7 lb

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



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Specifications

Model	RA-1570	RA-12
Continuous Power Output (20Hz - 20kHz, < 0.03%, 8 ohms)	120 watts/channel	60 watts/channel
Total Harmonic Distortion (20Hz-20kHz)	< 0.03% at rated power, 1/2 power, or 1 watt	< 0.03% at rated power
Intermodulation Distortion (60Hz : 7kHz, 4:1)	< 0.03% at rated power, 1/2 power or 1 watt	< 0.03% at rated power
Frequency Response		
Phono Input	20Hz-20kHz (±0.5 dB)	20Hz-15kHz (±0.3 dB)
Line Level Inputs	10Hz-100kHz (+1, -3 dB)	10Hz-100kHz (±1 dB)
Damping Factor (20Hz-20kHz, 8 ohms)	180	180
Input Sensitivity / Impedance		
Phono Input (MM)	2.25mV / 68k ohms	2.5mV / 47 k ohms
Line Level Inputs (RCA)	285mV / 100k ohms	150mV / 24 k ohms
Line Level Inputs (Balanced)	570mV / 100k ohms	
Input Overload		
Phono Input	30mV	180mV
Line Level Inputs	4V	5V
Preamplifier Output / Impedance	1.5V / 470 ohms	1V / 470 ohms
Signal to Noise Ratio (IHF "A" weighted)		
Phono Input	80 dB	80 dB
Line Level Inputs	100 dB	100 dB
Digital Section		
Frequency Response	10Hz - 95kHz (±3.0 dB, Max)	10Hz-95kHz (±3.0 dB, Max)
Signal to Noise Ratio (IHF "A" weighted)	100 dB	100 dB
Input Sensitivity/Impedance	0 dBfs/75 ohms	0 dBfs/75 ohms
Preout Level/Impedance	1.2V/470 ohms (at -20 dB)	1.2V/470 ohms (at -20dB)
USB/iPod® Digital Signals	AIFF, AAC (m4a), WAV, MP3, WMA (up to 48kHz 16 bit)	AIFF, AAC (m4a), WAV, MP3, WMA (up to 48kHz 16bit)
Coaxial/Optical Digital Signals	SPDIF LPCM (up to 192kHz 24 bit)	SPDIF LPCM (up to 192kHz 24 bit)
PC-USB	USB Audio Class 1.0 (up to 24 bit/96kHz) USB Audio Class 2.0 (up to 24 bit/192kHz)* *Driver installation required	
PC-USB File Decoding	Plays all file types supported by PC software player up to 24bit 192kHz	
Power Requirements		
USA	120 volts, 60Hz	120 volts, 60Hz
EC	230 volts, 50Hz	230 volts, 50Hz
Power Consumption	400 watts	300 watts
Standby Power Consumption	< 0.5 watts	< 0.5 watts
Dimensions (W x H x D)	431 x 144 x 350mm 17 x 5 7/8 x 13 3/4 in	430 x 92 x 342mm 17 x 3 5/8 x 13 1/2 in
Front Panel Height	3U / 132.6mm / 5 1/4 in	80mm / 3 1/16 in
Weight (net)	13kg, 28.7 lb	8.02kg, 18 lb

Model	RDD-1580
Audio	
Total Harmonic Distortion	<0.004%
Intermodulation Distortion (60Hz:7KHz)	<0.004%
Frequency Response	10Hz - 95kHz (±3.0 dB)
Signal to Noise Ratio (IHF A-weighted)	128 dB
Input Sensitivity / Impedance	0 dBfs / 75 ohms
Line Output Level / Impedance (RCA)	2.0V / 100 ohms
Line Output Level / Impedance (XLR)	4.0V / 200 ohms
USB/iPod® Digital Signals	AIFF, AAC (m4a), WAV, MP3, WMA (up to 48kHz 16bit)
Decodable Coaxial/ Optical Digital Signals	SPDIF LPCM (up to 24 bit 192kHz)
PC-USB File Decoding	Plays all file types supported by PC software player up to 24bit 192kHz
General	
Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Power Consumption	25 watts
Standby Power Consumption (normal mode)	< 0.5 watts
Dimensions (W x H x D)	431 x 55 x 316mm 17 x 2 1/8 x 12 1/2 in
Front panel height	1U / 43.7mm / 1 3/4 in
Weight (net)	5.1kg/11.24 lb

Model	RCD-1570
Total Harmonic Distortion + Noise	0.0045% @ 1kHz
Frequency Response	20Hz-20kHz (±0.5 dB)
Channel Balance	± 0.5 dB
Channel Separation	> 98 dB @ 1kHz
Signal to Noise Ratio	> 100 dB
Dynamic Range	> 96 dB
Digital to Analog Converters	Wolfson
Speed Accuracy, Wow & Flutter	Quartz Crystal Precision
Analog Output Level / Impedance (0dBFs)	
Unbalanced (RCA)	2.0 volts / 100 ohms
Balanced (XLR)	4.0 volts / 200 ohms
Digital Output Level (coax)	0.5 volt, Peak to Peak
Digital Output Impedance	75 ohms
Power Requirements	
USA Version	AC 120V, 60Hz
European Version	AC 230V, 50Hz
Power Consumption	15 watts
Dimensions (W x H x D)	431 x 99 x 320mm 17 x 4 x 12 5/8 in
Front Panel Height (for rack mount)	2U / 88.1mm / 3 1/2 in
Weight (net)	6.7kg, 14.74 lb

Model	RC-1570
Total Harmonic Distortion (20Hz-20kHz)	< 0.004%
Intermodulation Distortion (60 Hz : 7 kHz, 4:1)	< 0.004% at 1V output
Input Sensitivity / Impedance	
Phono Input (MM)	2.5 mV / 47k ohms
Line Level Inputs (RCA)	150 mV / 24k ohms
Line Level Inputs (XLR)	300 mV / 100k ohms
Input Overload	
Phono Input	65 mV
Line Level Inputs	4.3 V
Output Level / Impedance	
Output (RCA)	1V / 100 ohms
Output (XLR)	2V / 100 ohms
Frequency Response	
Phono Input	20 Hz-20k Hz, 0 (±0.3 dB)
Line Level Inputs	4 Hz-100k Hz, 0 (±0.3 dB)
Tone Controls	
Bass	±10 dB at 100Hz
Treble	±10 dB at 10kHz
Signal to Noise Ratio (IHF "A" weighted)	
Phono Input	80 dB
Line Level Inputs	110 dB
Digital Section	
Frequency Response	10Hz - 95k Hz (±3dB)
Signal to Noise Ratio (IHF "A" weighted)	100 dB
Input Sensitivity/Impedance	0 dBFs / 75 ohms
USB/iPod® Digital Signals	AIFF, AAC (m4a), WAV, MP3, WMA (up to 48kHz 16 bit)
Coaxial/Optical Digital Signals	SPDIF LPCM (up to 192kHz 24 bit)
PC-USB	USB Audio Class 1 (up to 96kHz 24 bit) USB Audio Class 2 (up to 192kHz 24bit)* *Driver installation required
PC-USB File Decoding	Plays all file types supported by PC software player up to 24bit 192kHz
Power Requirements	
USA	120 Volts, 60 Hz
EC	230 Volts, 50 Hz
Power Consumption	15 watts
Standby Power Consumption	< 0.5 watts
Dimensions (W x H x D)	431 x 99 x 320mm 17 x 4 x 12 5/8 in
Front Panel Height	2U / 88.1mm / 3 1/2 in
Weight (net)	7kg, 16 lb

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Back Panels



RSX-1562



RC-1570



RSP-1572



RA-1570



RMB-1585



RMB-1555



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