



Full Line Product Catalogue 2016



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Introducing the stunning new 15 Series components

*Balanced
Design
Concept.*

15 Series – built on a performance heritage

Rotel's story began more than 50 years ago, yet our ownership and mission have never changed. Rotel is an independent, high-end audio/video company with an unwavering ambition to deliver exceptional value. From the first product we ever made to the new 15 Series, every one of our components is manufactured in our own factory, to assure absolutely consistent quality.

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

As ever, the approach that has guided the development of the 15

Series is our famous 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 that prove our Balanced Design Concept works. And most importantly, we've satisfied hundreds of thousands of people who take their entertainment seriously – like you!

Because we're dedicated to ensuring our users are always happy with us, Rotel is sold only through the most qualified audio/video retailers and custom installers who have proven track records for superior knowledge and customer service. We invite you to visit Rotel online and view or download a wealth of product information and general audio/video educational materials in our members' area at www.rotel.com. Or better yet, visit your nearest Rotel dealer for a hands-on demonstration.



"Long before others, Rotel demonstrated that high-end sound need not come at a high-end price."

The Absolute Sound
April 2014, Alan Taffel

7.1 Channel Home Theatre Receiver

RSX-1562

This 7.1 channel, surround-sound receiver can serve as master control and amplifier for all audio and video sources in a home cinema system, delivering outstanding performance for both sound and video. It boasts new, improved circuitry and technologies such as HDMI 1.4 with 3D – with six HDMI inputs and two HDMI outputs, one with an Audio Return Channel. The result is it can handle all the video sources you care to connect: cable or satellite box; DVR, DVD or Blu-ray; video streaming devices, games consoles and more. And the Audio Return Channel lets a TV send audio data via HDMI back to the A/V receiver, increasing user flexibility and removing the need for a separate digital audio connection.

A USB front input means you can also connect a smartphone, tablet simply or other digital music player easily. Its digital connection means that the RSX-1562's advanced 24-bit/192kHz Digital-to-Analogue Converters can provide the critical decoding for an instant improvement to sound quality. The receiver also boasts Bluetooth, so compatible devices (most smartphones, tablets and other portable media players) don't even need a physical connection. To provide even more audio versatility, the preamplifier includes a ten-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 analogue and digital processing to drastically reduce video noise without sacrificing image quality and sharpness. It also offers

next-generation Faroudja RealColour, colour management technologies.

The Torino also includes an integrated 3D video decoder, which supports 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 DSPs and 24-bit/192kHz audio DACs ensure high sound quality and performance.

The on-board amplifiers are a sophisticated Class D design. The receiver power output is 7x 100 Watts at 8 ohms at 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 improves longevity. Rotel backs this with a five-year warranty.

Multi-zone outputs provide composite video and analogue audio for three zones. For each zone you can control source, volume and on/off. Setup is simple, using the on-screen display via 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.



- 7x 100 Watts / channel
- Dual 32-bit processors
- Bluetooth with included dongle
- 6 HDMI v1.4 inputs
- 2 HDMI 1.4 outputs (one with ARC)
- Dolby® TrueHD, Dolby Digital Plus, Dolby PLIIz, dts-HD™ Master Audio
- USB front panel connection for smartphones and other mobile devices
- 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
- Custom Rotel factory-built toroidal transformer
- Available in black and silver

7.1 Home Theatre Surround Processor / Preamplifier

RSP-1582

If you are passionate about home cinema and are looking to create the highest quality system possible, you need to begin with a reference level preamp/processor, like the new RSP-1582.

The culmination of the latest in Rotel technology – our engineers painstakingly evaluated every circuit design and feature requirement, challenging themselves to achieve the very best audio and video performance at a price point unmatched in today's market.

The RSP-1582 easily meets that challenge and more: it comes with all of the functions, features and performance any home cinema enthusiast could want. Rotel is, first and foremost, an audio company. That's why the RSP-1582 features six high-performance Wolfson 24-bit/192kHz DACs: four independent DACs for front left, front right, centre and subwoofer channels, and two shared stereo DACs for surround channels.

For further audio fidelity, RSP-1582 features a Bypass function for analogue audio inputs including CD, Phono, XLR Balanced and Aux to obtain the cleanest signal for the stereo listening experience. The volume control provides user microcontrol with 0.5db step increments. And for surround duties, there is a Texas Instruments Aureus TMS320DA808 DSP high-performance decoder with ten channel PEQ (Parametric Equalisation) and a PCM1804 audio performance ADC (Analogue-to-Digital Converter).

For video performance, this preamp/processor powerhouse features eight HDMI video inputs and two HDMI video outputs, all supporting 4K pass-through, as well as a Silicon Image SiI9573 2K/4K HDMI transceiver.

There is also a seven-inch TFT display on the front panel to provide



easy adjustments to all audio and video settings without needing to turn on the TV or projector. Other features include a front panel HDMI input with 4K video pass-through, front panel USB input with 2.1A charging (for your smartphone or tablet) and integrated aptX-enabled Bluetooth for highest-quality wireless audio streaming from mobile devices. The RSP-1582 also includes a PC-USB input supporting 24-bit/192kHz audio, a phono stage input, CD input, XLR balanced input, Tuner input, 4 AUX analogue inputs and multichannel input.

RSP-1582 output connections include both XLR balanced and RCA multichannel for optimal connection to a power amplifier. The XLR and RCA outputs include dual subwoofer outputs too.

On top of unassailable audio and video performance, the RSP-1582 is ideal for any custom installation with RJ45 network connection, USB front panel connector supporting software updates, three source-independent trigger outputs, a wired IR remote input, RS-232 interface and IP network interface for automation system control, two IR output connectors for IR pass-through and front panel setup navigation keys.

All of these features and technology mean nothing though, if the end result doesn't meet your expectations. That's why Rotel spent countless hours measuring, listening and tuning the RSP-1582 using globally sourced, select grade, electronic components including a Rotel factory-built toroidal transformer. Everything is carefully evaluated for the best audio performance before the new model goes into production.

"In audio and video performance, the Rotel RSX-1562 is as good as it gets."

Blu-rayDefinition.com

"As receivers go, it's truly one of the more acoustically pleasing and aesthetically well designed."

HomeTheaterReview.com

- 6 Wolfson WM8740 premium 24-bit/192kHz DACs
- 4 Independent DACs for Front Left, Front Right, Centre and Subwoofer channels
- Analogue Bypass function for CD, Phono, AUX inputs directly to output
- 10 channel PEQ
- 7 rear panel HDMI inputs with 4K video pass-through
- 1 front panel HDMI input with 4K video pass-through
- 2 HDMI 4K video outputs
- HDMI Bypass when in standby passes HDMI from source to TV when RSP in standby mode
- OSD setup and status on front TFT
- PC-USB supporting 24-bit/192kHz audio
- Front panel USB input supporting iOS devices with 2.1A charging
- Phono stage input
- CD, Tuner and 4 AUX analogue inputs
- Multichannel Input
- XLR Balanced input
- 3 source-independent trigger outputs
- Wired IR Remote Input
- RS-232 interface for automation system control
- IP Network interface for automation system control
- 2 IR Output connectors for IR pass-through
- Available in black and silver



7.1 Home Theatre Surround Processor / Preamplifier

"Those of us that don't mind getting our hands dirty with some measurement tools can have it all with the RSP-1572: great sound and great looks."

Stereophile

March 2013, Kalman Rubinson

RSP-1572

The RSP-1572 is Rotel's latest 7.1 surround sound preamplifier – and our very best one ever. Its advanced design builds upon a progression of outstanding home cinema processors that have received critical acclaim around the world. 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, one of which features an Audio Return Channel. This lets a TV send audio data via HDMI back to the preamplifier, increasing user flexibility and removing the need for a separate digital audio connection.

A USB front input for smartphones, tablets and digital music players provides a digital connection straight to the RSP-1572's high quality 24-bit/192kHz DACs for decoding. Additionally, the preamp/processor incorporates Bluetooth operation (via a wireless dongle, included), allowing streaming audio playback from tablets, phones, computers or other Bluetooth enabled devices. 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 analogue and digital processing to drastically

reduce video noise without sacrificing image quality and sharpness. It also offers next-generation Faroudja RealColour® colour management technologies.

The 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 DSPs and 24-bit/192kHz audio DAC ensure high sound quality and performance.

Multi-zone outputs provide composite video and analogue audio for three 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.



- Dual 32-bit processors
- Bluetooth capability with included dongle
- 6 HDMI v1.4 inputs
- 2 HDMI 1.4 outputs (one with ARC)
- Dolby® TrueHD, Dolby Digital Plus, dts-HD™ Master Audio
- USB front panel connection for iPhone and other mobile devices
- 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
- Custom Rotel factory-built toroidal transformer
- Available in black and silver



Home Theatre
uncompromised

Multichannel Power Amplifiers

RMB-1585

The RMB-1585, Rotel's flagship home cinema amplifier, provides both the massive power and sonic sophistication required by the finest home cinema systems. With five channels, capable of producing 200 continuous Watts each into 8-ohm loads (a full kilowatt of output power!), the efficient yet high-fidelity Class AB amplifier masters any system regardless of speaker load or room size. The back panel is home to XLR balanced inputs as well as RCA, perfect for the latest high-end audio sources.

- 5x 200 Watts / channel
- 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
- Available in black and silver

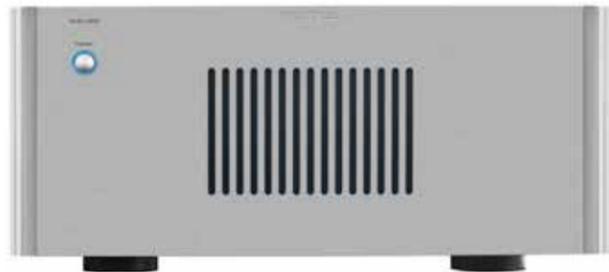


RMB-1555

The RMB-1555 uses only discrete output transistors, for their higher thermal stability and freedom from the designed-in compromises that characterise 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.

- 5x 120 Watts / channel
- Class AB high-current design
- 12 volt trigger
- Five-way binding posts
- Detachable AC cord
- 4U cabinet with included rack ears
- Available in black and silver



RMB-1575

Larger listening environments require prodigious amounts of power to deliver true room-filling sound. That's exactly what you get with this 5x 250 Watt power amplifier. The RMB-1575 is a true high current audiophile design and can double its output to 5x 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 and highly efficient Class D design.

- 5x 250 Watts / channel
- High performance audio amplifier
- 5x 500 Watts @ 4 ohms
- Class D energy efficient design
- 12 volt trigger
- Five-way binding posts
- Detachable AC cord
- 3U cabinet
- Available in black and silver



"The price of admission should not put off those who want to take their listening experience to the next level. Heck, this might be the last multichannel that you will ever need to buy (and in my experience, Rotel products seem to last forever)."

Blu-RayDefinition.com



2 Channel Power Amplifier

RB-1572

This high power two-channel amplifier can be used with the five channel RMB-1575 to expand your cinema 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 RMB-1575. High current amplification and a highly efficient Class D design mean that the RB-1572 extracts even the smallest audio details beautifully, while running relatively cool, extending the components' lifespan.

- 2x 250 Watts / channel
- High performance audio amplifier
- 2x 500 Watts @ 4 ohms
- Class D energy efficient design
- 12 volt trigger
- Five-way binding posts
- Detachable AC cord
- 2U cabinet
- Available in black and silver



8 Channel Custom Installation Amplifier

RKB-850 RKB-8100

Rotel has been designing and manufacturing award-winning power amplifiers for over 50 years. That considerable expertise has now been applied to a new generation of rack-mount custom installation amplifiers that are sure to set standards for performance, reliability, and ease of installation.

These amplifiers come in two eight channel configurations at 8x 50 Watts and 8x 100 Watts RMS per channel into 8 ohms, all channels driven. All RKBs can double that output into 4 ohms as a result of their sophisticated and efficient Class D design.

The amplifiers are rugged and extremely reliable, particularly because Rotel has taken additional precautions to maximise service life by using dual thermostatically controlled fans to move heat away from the output modules and power supply.

The digital versions (with a “D”) feature four Toslink optical digital inputs with individual stereo DACs for each pair of channels, in addition

8 Channel Custom Installation Amplifier with DACs

RKB-D850 RKB-D8100



to the four analogue inputs. When a digital audio source is detected on Toslink, the unit automatically switches to the digital input. The same is true if an analogue input is detected. No user configurations needed and each digital input supports up to 24-bit/192kHz LPCM audio.

Choose either the analogue-only input models or digital-and-analogue input versions as suits the system configuration. In either case, be prepared for an extraordinary audio experience.

Available in black finish only.

Rack ears included with the RKB-850, RKB-8100, RKB-D850 and RKB-D8100.



Custom Installation Amplifiers

RMB-1512

12 Channel Custom Installation Amplifier

There's no need to purchase several large amplifiers to build a high-performance, multi-zone audio system for your home. The RMB-1512 features advanced Class D amplification that provides plenty of power (12x 100 Watts into 8 ohms) for the most demanding multi-zone audio systems, but the efficient Class D design means it never runs the danger of overheating itself or other electronic components placed nearby.

The RMB-1512 features everything needed for remote operation and custom installation including 12 volt trigger, input linking, sum-to-mono feature, buffered link output, front panel attenuation control, five-way binding posts and screw terminals.

- 12x 100 Watts / channel
- High performance audio amplifier
- Audiophile-quality Class D energy efficient design
- Front panel attenuation control
- Input linking
- Buffered link output
- Sum-to-Mono on two stereo inputs = four mono outputs
- 12 volt trigger
- Five-way binding posts
- Detachable AC cord
- Screw terminals for CI
- 3U Cabinet
- Available in black



RMB-1506

6 Channel Custom Installation Amplifier

This amplifier is perfect for less elaborate multi-zone audio systems and can be teamed with any of our surround receivers or our preamp/processor to add music throughout three additional living areas or home 'zones'. You can also team it with another RMB-1506 for larger multi-zone applications.

Its 6x 50 Watts into 8 ohms Class AB amplification offers a superb balance between fidelity and efficiency. And, as with all Rotel custom installation amplifiers, it includes all of the most-wanted custom installation features including input linking and 12 volt trigger with signal sensing.

- 6x 50 Watts / channel @ 8 ohms
- High performance audio amplifier
- Analogue-quality Class A/B design
- Front panel attenuation control
- Input linking
- 12 volt trigger
- Buffered link output
- Five-way binding posts
- Detachable AC cord
- 3U cabinet
- Optional fan kit RKBF-1
- Available in black and silver





High Performance Music Systems

Integrated Stereo Amplifier with Onboard DAC

RA-1570



Long recognised as a central component in superb, yet cost-effective music systems, the integrated amplifier's job has evolved as music lovers have switched to digital sources. The RA-1570 is one of the best examples of combining classic analogue design with contemporary digital circuits to bring all of your sources to life in stunning fidelity.

The RA-1570's inputs are much more flexible than those found in most integrated amplifiers, with digital devices a particular strength. There's a front panel USB for easy connection to smartphones, tablets and other mobile devices; while the rear panel asynchronous PC-USB input supports files up to 24-bit/192kHz – ideal for laptops, NAS drives and other high-capacity devices storing high-resolution files.

Two coaxial (RCA) and two optical (Toslink) inputs on top provide easy connections for LPCM digital music sources including popular streaming devices, also at up to 24-bit/192kHz. Importantly, it is possible to fix the level on these sources for use with devices that provide their own volume control. A Wolfson WM8740 stereo Digital-to-Analogue Converter handles critical conversion from digital data to continuous analogue waveforms beautifully, with results far superior to using your digital device's onboard DAC.

The RA-1570 also incorporates Bluetooth (via a wireless dongle, included), allowing wireless streaming from tablets, phones, computers

or other Bluetooth-enabled devices. And analogue is handled more than capably too: inputs include a pair of balanced XLR connectors in addition to conventional RCA jacks.

Typically for Rotel amplifiers, the RA-1570's circuitry draws on a high-capacity power supply based on an oversized toroidal transformer, custom-designed by Rotel and manufactured in-house. As well as providing plenty 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 nearby 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 Class AB output stage also uses discrete devices to ensure precise reproduction of all signals, regardless of origin, with virtually any loudspeaker. The power output is substantial too. A robust 120 Watts per channel into 8 ohms is rated as continuous 'both channels driven simultaneously', in keeping with real-world requirements and Rotel's tradition of providing extraordinary value.

Separate pre-out/main-in connectors, a highly-visible VFD display for set-up, and a precisely-calibrated electronic volume control are also included for convenience.

"The RA-1570 is a wise choice for cost-conscious listeners who want a lot of audio options, great build quality, excellent sound, and ease of operation."

Blu-RayDefinition.com

"Breathtakingly powerful and grippy, with excellent dynamic range and a good deal more punch."

Hi-Fi Choice (UK)

- 2x 120 Watts / channel
- 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, USB Front Panel Connection – Apple Certified Type A, rear panel PC-USB Connection
- Wolfson premium DAC 24-bit/192kHz
- Front USB file formats: Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
- Bluetooth capability with included dongle
- Fixed gain volume option (DAC/amp), configures a fixed volume level for a specified input level for Aux 1, Coax 1, Optical 1, PC-USB or USB
- Speakers A+B
- Pre-Outs
- 12 volt trigger
- RS-232 control
- Headphone jack
- Detachable AC cord
- 3U cabinet
- Available in black and silver

Stereo Digital-to-Analogue Converter

RDD-1580



Rotel's new Digital-to-Analogue Converter envelops the listener in the most accurate audio reproduction possible from any digital source, whether it's 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, it 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, reducing noise and distortion far more than a single DAC can.

Another RDD-1580 advantage lies in its input flexibility. A front panel USB input supports smartphones and tablets, as well as streaming via Bluetooth with the included dongle. The rear panel PC-USB input supports files up to 24-bit/192kHz in asynchronous mode – perfect for high-resolution files stored on high-capacity devices such as laptops and NAS drives.

Two sets of rear panel RCA-style coaxial and Toslink optical digital inputs are optimised for LPCM data streams. This includes CDs 16-bit/44.1kHz standard to high definition sources with 24-bit/192kHz 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 reduce eddy currents 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 Concept approach where specifications alone do not dictate which electronic parts are selected. Rather, extensive listening tests were carried out under controlled conditions to determine the best way forward. During this time the entire circuit was carefully tuned to provide sonically accurate signal reproduction.

The RDD-1580 provides both single-ended and balanced outputs with RCA and XLR connectors respectively. Recognising today's changing tastes in audio sources, it even provides high-current charging capability (2.1 amps) for an iPad® or similar, so you can charge your device while you listen.

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

"The Rotel RDD-1580, with its myriad inputs and superb design, represents an affordable option that won't become obsolete in a few years..."

It's a true hi-fi component with gripping sonics that run with the best of 'em without running you into debt... It is by far the best DAC that I've heard in this price range, and probably would beat out most DACs double or triple its price."

The Absolute Sound

- Wolfson dual DACs
- Front panel USB (Bluetooth dongle supplied)
- Rear panel PC-USB input supports files up to 24-bit/192kHz
- Front USB File Formats: Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
- 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
- Available in black and silver

Stereo Preamplicifier with Onboard DAC

RC-1570

The new RC-1570 stereo preamplifier, a blend of cutting-edge digital circuitry and classic analogue stages, is the latest example of Rotel's audio perfectionism.

Beneath the clean lines and user-friendly fascia of the RC-1570 lies highly sophisticated engineering. The use of separate components ensures the best possible fidelity, since each device is optimised for its role in the sound reproduction chain. And both analogue and digital sources have been given equal consideration as today's listener may well have several digital sources but also enjoy legacy formats like vinyl.

A premium onboard Wolfson stereo Digital-to-Analogue Converter handles critical conversion from digital data to continuous analogue waveforms beautifully, with results far superior to using your digital device's onboard DAC. Four digital inputs (two coax and two optical) plus the rear PC-USB handle digital sources up to 24-bit/192kHz resolution. The four inputs are ideal for sources such as TVs, set-top boxes or Blu-ray players. While the PC-USB input means you can listen to music stored on your computer on the best speakers in the house. A Bluetooth dongle is even included to enable wireless streaming from smartphones and tablets via a front USB input.

On the analogue side, inputs include balanced XLR connectors (perfect for connecting the RCD-1570 via its XLR outputs) in addition to

four pairs of conventional RCA inputs. Any vinyl lovers will appreciate the inclusion of a moving magnet phono stage. 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. The result is an extremely flexible preamplifier.

Continuing the use of specifically chosen, discrete components, 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. And careful routing of all low-level signals has been practised to ensure impressive signal-to-noise levels. The result is effortless musical dynamics, impressive detail and scale.

The RC-1570 fuses the old and the new perfectly. That's because Rotel has been designing and manufacturing high-performance components for dedicated enthusiasts for more than 50 years. Those decades of experience, along with precise and efficient in-house manufacturing, are fully evident when you listen to Rotel separates. As countless reviewers have testified over the years, they rival and frequently exceed the performance of much higher-priced offerings.

In short, the RC-1570 is tremendous value and the perfect upgrade for owners of older analogue-only preamplifiers.



- CD, Tuner, Aux 1, Aux 2, XLR input
- Phono input for moving magnet
- Wolfson premium 24-bit/192kHz DAC
- Digital inputs (2x coax, 2x optical), one front panel USB (Bluetooth dongle supplied), and one PC-USB rear panel input for up to 24-bit/192kHz
- Front USB File Formats: Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
- Fixed gain volume option (DAC/amp) configures a fixed volume level for a specified input level for Aux 1, Coax 1, Optical 1, PC-USB or USB
- Two pairs of RCA outputs
- One pair of XLR outputs
- Balance controls
- Headphone jack
- RS-232 control
- 2x 12 volt triggers
- Detachable AC cord
- 2U cabinet
- Available in black and silver

"Rotel is back my friends. And it is good."

The Absolute Sound

RC-1590

It's all about control. The RC-1590 stereo preamplifier is engineered to deliver the highest audio performance levels and an incredible level of control and flexibility for the user.

It all starts with a high-performance power supply consisting of two Rotel custom-built toroidal transformers. These not only ensure maximum efficiency and low magnetic fields, but also provide low-noise isolation between the analogue and digital signals.

They are part of a reference grade power supply consisting of individual analogue and digital regulator circuits with custom-made slit-foil capacitors. These have very quick charge/discharge times and low signal loss, for tight bass performance.

Every aspect of component selection and circuit topography was designed and carefully evaluated during multiple listening sessions to ensure the highest fidelity. For example, analogue and digital circuits were designed separately, by specialised Rotel teams.

Analogue inputs all use very low noise circuitry and include a high-performance, moving magnet phono stage. Digital inputs are fully isolated and feature a precision 32-bit/768kHz Digital-to-Analogue Converter (DAC).

The RC-1590 is engineered to provide a reference-quality stereo preamplifier match to Rotel's new RB-1590 stereo power amplifier. As

such, it comes fully feature-laden with an incredible set of specifications, including: comprehensive digital and analogue inputs and outputs as well as Balanced XLR and Unbalanced RCA inputs and outputs. On top of that, comprehensive digital device inputs include Bluetooth with aptX streaming and front USB 2.1A charging input (for smartphones etc), as well as rear panel PC-USB 24-bit/192kHz input supporting DSD (Windows) and DoP (MAC computers DSD over PCM).

On top, there's two 12 volt trigger outputs, a dimmable display, automatic power-off function (configurable), RS-232 and IP control for automation system integration, internet-based software updates, Rotel Link connection, a detachable IEC power cord, an external IR remote input, and a front-mounted 3.5mm headphone output jack.

For music enthusiasts who won't accept compromise, the RC-1590 preamplifier is in a class by itself, at a price that belies its incredible performance.



- Separate toroidal transformers for analogue and digital circuitry
- XLR balanced inputs and outputs
- 2 sets of RCA Pre-outputs
- Line output (fixed volume)
- Phono input
- Digital inputs and outputs including coax and optical
- Aux, CD, Tuner analogue inputs
- Internal aptX Bluetooth (supports aptX and standard Bluetooth) with rear antenna
- Front USB with 2.1A charging input (for smartphones etc.)
- Rear panel PC-USB 24-bit/192kHz input supporting DSD (Windows) and DoP (MAC computers DSD over PCM)
- RS-232 and IP control for automation system integration
- Internet-based software updates
- Detachable IEC power cord
- External IR remote input
- 2 trigger outputs
- 3U chassis
- Available in black and silver

Stereo Class AB Power Amplifier

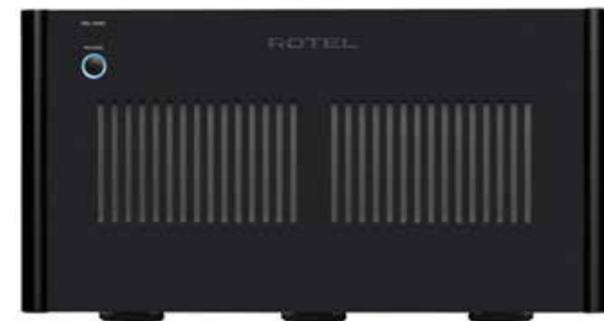
RB-1590

Power – refined, detailed, and plenty of it. Rotel's new Class AB stereo power amplifier is rated at 350 Watts per channel into 8 ohms both channels driven. That is a lot of power, but larger listening rooms or less sensitive loudspeaker designs require it to bring out the best possible performance and attain realistic audio dynamics.

The impressive capabilities of this amplifier begin with a solid foundation consisting of twin, massive toroidal transformers custom made by Rotel. These transformers are just part of a rock-solid power supply that includes eight special, British-made BHC capacitors, known for their low loss and quick response times.

These components will continue to supply all of the voltage and current requirements needed, even under the most difficult load conditions. But unrefined power has never been a Rotel design goal. Every aspect of circuit design has been carefully considered and each component has been rigorously selected after extensive listening sessions. The circuit topography has been laid out in a true monoblock design ensuring maximum signal separation and improved stereo imaging.

A full features list includes: XLR Balanced and RCA input connections, two pair of 5-way speaker binding posts, thermal and over-current, over-



voltage protection circuitry, dual-staged power on relay to reduce surge current and extend longevity, all in a 5U chassis with included rack ears.

The RB-1590 has been designed for the most discerning audio enthusiast and will provide the highest levels of audio performance.

- Dual toroidal transformers
- 8 British-made BHC capacitors
- 2x 350 Watts both channels driven into 8 ohms
- Dual monoblock amplifier design
- XLR Balanced and RCA input
- 2 pairs of five-way speaker binding posts
- 12 volt trigger
- Thermal protection circuit
- Over current, short circuit, over voltage protection circuit
- Dual-staged power on relay to reduce surge current
- 85+ pounds of performance
- 5U chassis with included rack ears
- Available in black and silver

RB-1582 MKII

Rotel's largest stereo amplifier, at 200 Watts per channel, provides the massive current needed to drive the very largest hi-fi systems effortlessly. And, like its smaller brother, it has been designed to excel at resolving the subtle details in music as well as supplying the brawn required for extremely dynamic passages. It achieves this difficult balancing act thanks to the meticulous attention paid to circuit design and parts selection.

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

- 2x 200 Watts / channel @ 8 ohms
- Dual gold-finished speaker binding posts
- Toroidal transformer
- High-efficiency slit foil capacitors
- RCA and XLR inputs
- 12 volt trigger
- Detachable AC cord
- 3U chassis with included rack ears
- Available in black and silver



RB-1552 MKII

The RB-1552MKII is a 120 Watt per channel Class AB stereo amplifier, enough to power all but the largest hi-fi systems. 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 has been engineered to provide high-resolution audio performance, yet it is surprisingly affordable, as has been the tradition with Rotel electronics for more than 50 years.

- 2x 120 Watts / channel @ 8 ohms
- Dual gold-finished speaker binding posts
- Toroidal transformer
- High-efficiency Slit foil capacitors
- RCA and XLR inputs
- 12 volt trigger
- Detachable AC cord
- 3U cabinet with included rack ears
- Available in black and silver



"Modestly-priced audio products may not be able to produce the 'absolute sound', but the best of them can fully deliver the heart of the high end. Rotel's RB-1552 MkII falls decisively into this category."

The Absolute Sound 2014 Product of the Year Awards

"This Rotel should be on your shortlist for audition."

SoundStage! Network

CD Player

“Rotel’s 1570/1552 stack... an incredibly affordable, versatile system that conveys all the music you could want – and more – with very few trade-offs.”

The Absolute Sound

RCD-1570



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 and stereo Digital-to-Analogue 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 8kHz to 192kHz.

While such capabilities may seem excessive for CDs delivering data at far lower rates, this high-speed facility adds reserve capacity to ensure proper reproduction under all circumstances. As the most crucial link between a CD's digital data and the analogue world in which we listen, these superb high resolution capabilities are key. But that's

far from the only important element in the RCD-1570's breathtaking performance.

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

The post-converter analogue circuitry benefits from Rotel's decades-long experiences in crafting the finest sounding pathway from the Digital-to-Analogue Converter's internal output to single and balanced rear panel connectors that bridge the gap between the RCD-1570 and downstream 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 sourced to ensure musically accurate operation under even the most demanding conditions.

XLR connectors provide balanced outputs, long recognised 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, obsessive attention to detail and a quest for sonic performance that will make the RCD-1570 part of your reference-level music system for years to come.

- Slot loading
- Wolfson premium 24-bit/192kHz DAC
- Toroidal transformer
- RCA and XLR outputs
- Coaxial digital output
- RS-232 control
- 12 volt trigger
- Detachable AC cord
- 2U cabinet
- Available in black and silver

DAB+ Tuner / Internet Radio / Audio Streamer

RT-1570



The RT-1570 not only offers conventional radio reception for FM and DAB stations (including DAB+ where available), but internet radio streaming and audio playback from media servers too.

Internally, the RT-1570 features one of Rotel's renowned toroidal transformers with separate windings for four independent power supplies; two for the DAC circuits, and a third for the filter and output stages.

The filter/output circuits also include slit-foil capacitors designed specifically for the RT-1570. The fourth power supply supports subsidiary circuits including the CPU and display. All of these circuits feature independent regulation and filtering as befits an audiophile product. And a Wolfson DAC with differential outputs maximises performance, in conjunction with selected components for the signal path, filter circuits and output stages.

As well as receiving FM and DAB (DAB+) stations, digital streaming radio is fully supported. All the key audio codecs are included (most notably mp3, FLAC and AIF), with resolution and sampling rates up to 24-bit/96kHz. This versatility means that most internet radio services

and very high-resolution audio files (normally stored on a local media server) will be reproduced in their native format and resolution.

The RT-1570 can also easily be incorporated into multi room systems via RS-232 and controlled with the likes of Crestron or AMX. The 'Rotel Link' is a straight forward method of controlling compatible products including amplifiers and CD players. And the RT-1570 includes a 12 volt trigger for simple system on-off control.

- DAB+ / FM / internet radio with network streaming
- Separate 30 pre-set memory banks for DAB, FM and internet radio
- Audiophile Wolfson DAC converts FM / DAB+ module's digital output to analogue for improved audio performance
- Playback of high resolution files up to 24-bit/96kHz
- High performance Rotel-designed and built toroidal transformer
- Wound-sectional transformer to separate digital and analogue circuits for virtually noise-free audio signal paths
- 4 independent voltage regulator circuits for the digital and analogue circuits
- Slit foil capacitors utilised in power supply section to minimise noise and distortion
- RT-1570 circuit layout and components derived from the RCD-1570 pre-amplifier
- development
- Both digital and analogue outputs are available for maximum system integration and flexibility

Internet Radio / DAB+ / FM Tuner

RT-12

The RT-12 is an FM and DAB+ preset radio tuner and much more besides. By incorporating network capabilities, the RT-12 can bring thousands of internet radio broadcasts into your life and it can play audio files stored on UPnP™ servers such as Windows computers. If your computer is home to a library of music files and you have wondered about playing them over your hi-fi, the RT-12 is your answer. The RT-12 boasts digital to analogue conversion based on the Wolfson WM8740 DAC chip to ensure that each digital source retains every last drop of musical quality, and it can serve as the wireless hub for the Rotel iPhone and iPad control app to control the entire hi-fi system.



DAB+ / FM Tuner

RT-11

For many music enthusiasts there is still a place for a more traditional stereo tuner. The RT-11 offers very high performance reproduction of both FM and DAB+ broadcasts and provides a perfect solution for those who simply need a great sounding radio. While the RT-11 is a traditional tuner, that doesn't mean it misses out on our 12 Series commitment to extracting the best possible audio performance and the largest selection of music. So the RT-11 benefits in exactly the same manner as its siblings from the careful selection of every critical component and from the full energy of our global product development network.



CD Player

RCD-12

Even after three decades of the compact disc the RCD-12 demonstrates that there is still more performance to be found from CD players. In common with its partners in the 12 Series, digital to analogue conversion is handled by the Wolfson WM8740 DAC chip. The WM8740 is more usually found in CD players at the very top of high-end audio and if you are ever intrigued to know just how your favourite CDs would sound on the world's finest players, the RCD-12 will get you to within a hair's-breadth.

In common with other 12 Series products, the RCD-12 can be controlled through either its front panel buttons and display, via its remote control handset, or via Rotel Link to an RT-12 and the wireless Rotel iPhone and iPad app.



Integrated Amplifiers

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. Rotel's 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.



RA-11

The RA-11 carries a similar set of features to the RA-12 but is slightly less powerful at 40 Watts per channel and is constructed in a slimline enclosure. Just like the RA-12, every critical signal chain component is selected to ensure that music from the RA-11 is delivered with as much detail, dynamics, clarity and emotion as possible. The RA-11 incorporates the same high-end Wolfson WM8740 24 bit/192kHz DAC chip as the RA-12 and the same complement of five conventional analogue inputs, four S/PDIF digital inputs, and an Apple authorised USB input. The RA-11 can be controlled through either its front panel buttons, via a remote handset, or an RT-12 and the Rotel iPhone and iPad app.



RA-10

There is occasionally much to be said in favour of stripping back to the fundamentals and the RA-10 is definitely one of those occasions. The RA-10 offers 40 Watts per channel, four analogue line level inputs, a phono input and traditional integrated amplifier controls that will feel comfortable and intuitive to every user. The RA-10 is no lightweight however. It is a serious high performer that benefits from all our efforts dedicated towards optimising audio electronics for the reproduction of music. The RA-10 brings a clarity and effortless dynamism to music that belies both its modest ambitions and modest price.



Specifications

Model	RSX-1562
Audio	
Continuous Amplifier Power	100 watts/ch (7 channels driven) (20-20kHz, <0.05% THD, 8 ohms)
Continuous Amplifier Power	200 watts (1kHz, <1.0% THD, 4 ohms, DIN)
Total Harmonic Distortion	<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 dB
Signal to Noise Ratio (at 65dB)	70 dB
Harmonic Distortion (at 65dB)	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, ±1.5dB (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	RSP-1582
Audio	
Total Harmonic Distortion	<0.008%
Intermodulation Distortion (60Hz : 7kHz, 4:1)	<0.008%
Frequency Response	10Hz - 100kHz, ±1.5dB (analog bypass) 10Hz - 20kHz, ±0.3dB (digital input)
Signal to Noise Ratio (A-weighting)	100dB (analog bypass) 92dB (Dolby Digital, DTS) 0dBFS
Input Sensitivity	250 mV/100k ohms
Line Level:	250 mV/100k ohms
Balance Level:	
Output Level	1.0 V
Line Level (RCA):	2.0 V
Balance Level (XLR):	>75 dB (at 10kHz)
Channel Separation	Dolby Digital, Dolby Digital EX, DTS, DTS-ES, DTS 96/24, DTS-ES 96/24, LPCM (up to 192kHz 24bits)
Digital Audio	Lossless Compressed Digital Audio, Dolby® TrueHD, Dolby® Digital Plus, DTS™ HD Master Audio
Lossless Compressed Digital Audio	
Video	
HDMI standard	Audio Return Channel, 3D, Deep Color, 2K, 4K Pass-Through
Input Resolutions	480i, 576i, 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 2K, 4K
Output Resolutions	480i, 576i, 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 2K, 4K
Deep Color Support	24bits
Power	
Power Requirements	120 Volts, 60 Hz
USA:	230 Volts, 50 Hz
EC:	45W
Power Consumption	<0.5W
Standby Power	
Consumption	140 BTU/h
BTU	431 x 188 x 417mm
Dimensions (W x H x D)	17 x 7 2/5 x 16 2/5 in
	4U (177mm, 7 in)
	12 kg, 26.46 lbs
Front Panel Height	
Weight (net)	

Model	RMB-1585	RMB-1555	RMB-1575	RB-1572
Power Output	200 watts x 5ch (20Hz-20kHz, <0.03% THD, 8 ohms)	120 watts x 5ch (20Hz-20kHz, <0.03% THD, 8 ohms)	250 watts x 5ch (20Hz-20kHz, 0.03% THD, 8 ohms)	250 watts x 2ch (20Hz-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)
IM Distortion	< 0.03%	< 0.03%	< 0.03%	< 0.03%
Damping Factor (8 ohms)	260	180	400	400
Gain	26.5 dB	26.5 dB	27.1 dB	27.1 dB
Input Sens. / Impedance	1.5 V /12 k ohms	1.5 V /12 k ohms	1.5 V / 8.3 k ohms	1.5 V / 8.3 k ohms
Frequency Response	10Hz - 100kHz (±3dB)	10Hz - 100kHz (±3dB)	10 - 80 kHz (±3dB)	10 - 80 kHz (±3dB)
S/N Ratio (IHF A)	116 dB	116 dB	109 dB	109 dB
Power Consumption	800 watts	650 watts	600 watts	280 watts
Dimensions (W x H x D) mm	431 x 237 x 454mm	431 x 188 x 454mm	431 x 144 x 406mm	431 x 99 x 339mm
Dimensions (W x H x D) in	17 x 9 3/8 x 17 7/8 in	17 x 7 1/2 x 17 7/8 in	17 x 5 5/8 x 16 in	17 x 3 7/8 x 13 3/8 in
Front Panel Height	5U (8 3/4")	4U (7")	3U (5.25")	2U (3.5")
Shipping Weight	96 lb (Include rack ears)	62 lb (Include rack ears)	29.7 lb	20 lb

Model	RKB-850	RKB-D850	RKB-8100	RKB-D8100	RMB-1512	RMB-1506
Power Output	50 watts x 8ch (20Hz-20kHz, <0.1% THD, 8 ohms)	50 watts x 8ch (20Hz-20kHz, <0.1% THD, 8 ohms)	100 watts x 8ch (20Hz-20kHz, <0.1% THD, 8 ohms)	100 watts x 8ch (20Hz-20kHz, <0.1% THD, 8 ohms)	100 watts x 12ch (20 Hz-20kHz, < 0.03% THD, 8 ohms)	50 watts x 6ch (20 Hz-20kHz, < 0.03% THD, 8 ohms)
all channels driven					200 watts x 12ch (20 Hz-20kHz, < 0.03% THD, 4 ohms)	80 watts x 6ch (DIN 1K Hz, 1.0% THD)
IM Distortion	< 0.08%	< 0.08%	< 0.08%	< 0.08%	< 0.03%	< 0.03%
Damping Factor (8 ohms)	>150	>150	>150	>150	200	200
Gain	30 dB	30 dB	30 dB	30 dB	27.2 dB	26 dB
Input Sens. / Impedance	100k ohms / 0.6V	50k ohms / 0.6V	100k ohms / 0.9V	50k ohms / 0.9V	1.25 V/8.3kohms	1.0 V / 20kohms
Frequency Response	20Hz - 20kHz, +0dB/-1.4dB	20Hz - 20kHz +0dB/-1.4dB	20Hz - 20kHz, +0dB/-1.4dB	20Hz - 20kHz, +0dB/-1.4dB	10Hz-40kHz (±3dB)	10Hz-100kHz (±3dB)
S/N Ratio (IHF A)	108 dB	108 dB	108 dB	108 dB	105 dB	115 dB
Power Consumption	150 watts	150 watts	300 watts	300 watts	660 watts	450 watts
Dimensions (W x H x D) mm	430 x 97 x 424 mm	430 x 97 x 424 mm	430 x 97 x 424 mm	430 x 97 x 424 mm	431 x 144 x 407mm	431 x 144 x 424mm
Dimensions (W x H x D) in	17 x 3 7/8 x 16 3/4 in	17 x 3 7/8 x 16 3/4 in	17 x 3 7/8 x 16 3/4 in	17 x 3 7/8 x 16 3/4 in	17 x 5 5/8 x 16 in	17 x 5 5/8 x 16 5/8 in
Front Panel Height	2U (3 1/2")	2U (3 1/2")	2U (3 1/2")	2U (3 1/2")	3U (5.25")	3U (5.25")
Shipping Weight	27 lb	27 lb	28 lb	29 lb	28 lb	42.10 lb

Model	RB-1552 MkII	RB-1582 MkII	RB-1590
Power Output	120 watts x 2ch (20Hz-20kHz, < 0.03% THD, 8 ohms)	200 watts x 2ch (20Hz-20kHz, < 0.03% THD, 8 ohms)	350 watts/ch (20 - 20kHz, <0.03%, 8 ohms)
all channels driven			<0.03% (60Hz : 7kHz, 4 : 1)
IM Distortion	< 0.03%	< 0.03%	300
Damping Factor (8 ohms)	800	800	
Input Sens. / Impedance	12k ohms/1.5 volt	12k ohms/1.9 volt	12k ohms / 2.2 volt
Unbalanced	100k ohms/2.5 volt	100k ohms/3.0 volt	100k ohms /3.5 volt
Balanced	10-100kHz (±0.5dB)	10-100kHz (±0.5dB)	10Hz - 100kHz (±0.5dB)
Frequency Response	120 dB	116 dB	120 dB
S/N Ratio (IHF A)	400W	500W	800W
Power Consumption	431 x 144 x 339mm,	431 x 144 x 407mm	431 x 237 x 454mm
Dimensions (W x H x D) mm	17 x 5 7/8 x 13 3/8 in	17 x 5 7/8 x 16 in	17 x 9 3/8 x 17 7/8 in
Dimensions (W x H x D) in	3 U (5.25")	3U (5.25")	3U (8 3/4")
Front Panel Height	35 lb	50 lb	100.31 lb
Shipping Weight			

Specifications

Model	RA-1570
Continuous Power Output (20Hz – 20kHz, < 0.03%, 8 ohms)	120 watts/channel
Total Harmonic Distortion (20Hz-20kHz)	< 0.03% at rated power, 1/2 power, or 1 watt
Intermodulation Distortion (60Hz : 7kHz, 4:1)	< 0.03% at rated power, 1/2 power or 1 watt
Frequency Response	
Phono Input	20Hz-20kHz (±0.5 dB)
Line Level Inputs	10Hz-100kHz (+1, –3 dB)
Damping Factor (20Hz-20kHz, 8 ohms)	180
Input Sensitivity/Impedance	
Phono Input (MM)	2.25mV / 68k ohms
Line Level Inputs (RCA)	285mV / 100k ohms
Line Level Inputs (Balanced)	570mV / 100k ohms
Input Overload	
Phono Input	30mV
Line Level Inputs	4V
Preamplifier Output / Impedance	1.5V / 470 ohms
Signal to Noise Ratio (IHF "A" weighted)	
Phono Input	80 dB
Line Level Inputs	100 dB
Digital Section	
Frequency Response	10Hz - 95kHz (±3.0 dB, Max)
Signal to Noise Ratio (IHF "A" weighted)	100 dB
Input Sensitivity/Impedance	0 dBFs/75 ohms
Preout Level/Impedance	1.2 V/470 ohms (at -20 dB)
Front USB File Formats	Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
Coaxial/Optical Digital Signals	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
EC	230 volts, 50Hz
Power Consumption	400 watts
Standby Power Consumption	< 0.5 watts
Dimensions (W x H x D)	431 x 144 x 350mm 17 x 5 7/8 x 13 3/4 in
Front Panel Height	3U / 132.6mm / 5 1/4 in
Weight (net)	13kg, 28.7 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	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	RT-1570
FM Tuner	
Usable Sensitivity	22.2 dBf
50dB Quieting Sensitivity	27.2 dBf (mono)
Signal to Noise Ratio (at 70 dBf)	
Mono	65 dBf
Stereo	60 dBf
Harmonic Distortion (at 70 dBf)	
Mono	0.2%
Stereo	0.3%
Frequency Response	10Hz-15kHz, ±3 dB
Stereo Separation (100Hz/1kHz)	40 dB/30 dB
Output Level	
Line	1V
Digital	0.7V
Antenna Input	75 ohms unbalanced
DAB Tuner	
Sensitivity	-80 dBm
Tuning Range	Band III (174-240MHz)
Audio Data Rate	224Kbps (Max)
Frequency Response	20-20kHz, ±0.2 dB
Analog Output	2.3V at 0 dBFs
Antenna Input	75 ohms F connector
General	
Network Connection	802.11 b/g
Security	WEP, WPA1 (TKIP) WPA2 (TKIP)
File Formats (UPnP Music Server)	AAC, MP3, WMA (except lossless), OGG vorbis, WAV, AIFF, FLAC and AU
Power Consumption	16 watts
Standby Power Consumption (normal mode)	0.5 watts
Power Requirements (AC)	
USA	120V, 60 Hz
Europe	230V, 50 Hz
Dimensions (W x H x D)	430 x 99 x 310mm 17 x 4 x 12 1/4 in
Front Panel Height	2U (88.1mm, 3 1/2 in)
Weight (net)	6.33kg, 13.96 lb

Model	RDD-1580
Audio	
Total Harmonic Distortion (20Hz-20kHz)	<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
Front USB File Formats	Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
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)	
USA	120V, 60Hz (USA)
Europe	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	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
Front USB File Formats	Apple Lossless, MP3, AAC, AIFF, WAV, WMA, OGG Vorbis, M4A/AAC
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

Model	RC-1590
Total Harmonic Distortion (20Hz - 20kHz)	<0.002%
Input Sensitivity/Impedance	
Phono Input (MM)	2.5 mV / 47k ohms
Line Level Inputs (RCA)	150 mV / 100k ohms
Line Level Inputs (XLR)	250 mV / 100k ohms
Output Level	
Line Level (RCA)	1 V
Balanced (XLR)	2 V
Frequency Response	
Phono Input	20Hz - 20kHz, 0 ±0.2 dB
Line Level Inputs	10Hz - 100kHz, 0 ±0.1 dB
Signal to Noise Ratio (A weighting)	
Phono Input	80 dB
Line Level Inputs	112 dB
Channel Separation	
Phono Input	>75 dB
Line Level Inputs	>75 dB
Digital Section	
Frequency Response	20Hz - 20kHz, (±0.5 dB, Max)
Signal to Noise Ratio (A weighting)	108 dB
Digital Inputs	SPDIF LPCM (up to 192kHz 24 bit)
PC-USB	USB Audio Class 1.0 (up to 96kHz 24bit) USB Audio Class 2.0 (up to 192kHz 24bit)* *Driver installation required DSD Replay - native or DoP
Power Requirements	
USA	120 V, 60 Hz
EC	230 V, 50 Hz
Power Consumption	25 watts
Standby Power Consumption	<0.5 watts
BTU	
Dimensions (W x H x D)	78 BTU/h
Front Panel Height	431 x 144 x 348mm, 17 x 5 7/8 x 13 7/9 in
Weight (net)	3U (132.6mm, 5 1/4 in) 9.2 kg, 20.28 lbs.

RA-12**Integrated amplifier**

Continuous Power Output	60Watts/ch (20-20kHz, < 0.03%, 8V)
Total Harmonic Distortion (20Hz-20kHz)	< 0.03% at rated power
Intermodulation Distortion (60 Hz:7 kHz, 4:1)	< 0.03% at rated power
Frequency Response	Phono input 20Hz-15kHz, ±0.3dB Line Level Inputs 10Hz-100kHz, ±1dB
Input Sensitivity / Impedance	Phono input 2.5mV / 47 k V Line Level Inputs 150mV / 24 k V
Input Overload	Phono input 180mV Line Level Inputs 5V
Preamp Output / Impedance	1V / 470V
Tone Controls - Bass / Treble	±4 dB at 100Hz / 10kHz
Signal to Noise Ratio (IHF "A" weighted)	Phono input 80dB Line Level Inputs 100dB

Digital Section

Frequency Response	10Hz-95kHz ±3.0dB (MAX)
Signal to Noise Ratio (IHF "A" weighted)	100dB
Input Sensitivity/Impedance	0 dBfs/75V
Pre-out/Impedance	1.2V/470V (at -20dB)
Decodable Front USB/iPod Digital Signals	AAC (m4a), WAV, MP3, WMA (up to 48K 16bit)
Coaxial/Optical PCM	LPCM
File Formats	Real Audio, MP3, OGG Vorbis, WAV, AIFF and AU

General

Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Power Consumption	300Watts
Standby Power Consumption	0.5Watts
Dimensions (W x H x D)	430 x 92 x 342mm (17 x 3 5/8 x 13 1/2ins)
Panel Height	80mm (3 1/16ins)
Weight (Net)	8.02kg (18lbs)
Finishes	Black, Silver

RA-11**Integrated amplifier**

Continuous Power Output	40Watts/ch (20-20kHz, < 0.03%, 8V)
Total Harmonic Distortion (20Hz-20kHz)	< 0.03% at rated power
Intermodulation Distortion (60Hz:7kHz, 4:1)	< 0.03% at rated power
Frequency Response	Phono input 20Hz-15kHz, ±0.3dB Line Level Inputs 10Hz-100kHz, ±1dB
Input Sensitivity / Impedance	Phono input 2.5mV / 47 k V Line Level Inputs 150mV / 24 k V
Input Overload	Phono input 180mV Line Level Inputs 5V
Preamp Output / Impedance	1V / 470V
Tone Controls - Bass / Treble	±4 dB at 100Hz / 10kHz
Signal to Noise Ratio (IHF "A" weighted)	Phono input 80dB Line Level Inputs 100dB

Digital Section

Frequency Response	10Hz-95kHz ±3.0dB (MAX)
Signal to Noise Ratio (IHF "A" weighted)	100dB
Input Sensitivity/Impedance	0 dBfs/75V
Pre-out/Impedance	1.2V/470V (at -20dB)
Decodable Front USB/iPod Digital Signals	AAC (m4a), WAV, MP3, WMA (up to 48K 16bit)
Coaxial/Optical PCM	LPCM
File Formats	Real Audio, MP3, OGG Vorbis, WAV, AIFF and AU

General

Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Power Consumption	220Watts
Standby Power Consumption	0.5Watts
Dimensions (W x H x D)	430 x 72 x 342mm (17 x 2 7/8 x 13 1/2ins)
Panel Height	60mm (2 3/8ins)
Weight (Net)	5.9kg (13lbs)
Finishes	Black, Silver

RA-10**Integrated amplifier**

Continuous Power Output	40Watts/ch (20-20kHz, < 0.03%, 8V)
Total Harmonic Distortion (20Hz-20kHz)	< 0.03% at rated power
Intermodulation Distortion (60Hz:7kHz, 4:1)	< 0.03% at rated power
Frequency Response	Phono input 20Hz-15kHz, ±0.3dB Line Level Inputs 10Hz-40kHz, ±1dB
Input Sensitivity / Impedance	Phono input 2.5mV / 47 k V Line Level Inputs 150mV / 24 k V
Input Overload	Phono input 180mV Line Level Inputs 5V
Preamp Output / Impedance	1V / 470V
Tone Controls - Bass / Treble	±6dB at 100Hz / 10kHz
Signal to Noise Ratio (IHF "A" weighted)	Phono input 80dB Line Level Inputs 100dB

Digital Section

Frequency Response	10Hz-95kHz ±3.0dB (MAX)
Signal to Noise Ratio (IHF "A" weighted)	100dB
Input Sensitivity/Impedance	0 dBfs/75V
Pre-out/Impedance	1.2V/470V (at -20dB)
Decodable Front USB/iPod Digital Signals	AAC (m4a), WAV, MP3, WMA (up to 48K 16bit)
Coaxial/Optical PCM	LPCM
File Formats	Real Audio, MP3, OGG Vorbis, WAV, AIFF and AU

General

Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Power Consumption	220Watts
Standby Power Consumption	0.5Watts
Dimensions (W x H x D)	430 x 72 x 342mm (17 x 27/8 x 131/2ins)
Panel Height	60mm (2 3/8ins)
Weight (Net)	5.9kg (13lbs)
Finishes	Black, Silver

RT-12**Internet radio / DAB+ / FM tuner**

FM Tuner	
Usable Sensitivity	22.2dBf
50dB Quieting Sensitivity	27.2dBf (mono)
Signal to Noise Ratio (at 65 dBf)	63dBf (mono) 60dBf (stereo)
Harmonic Distortion (at 65 dBf)	0.2% (mono) 0.3% (stereo)
Frequency Response	10Hz-15kHz, ±3dB
Stereo Separation (100/1kHz/10kHz)	40dB/45dB/35dB
Output Level	1.0V
Antenna Input	75V unbalanced

DAB+ Tuner

Sensitivity	-80dBm
Tuning Range Band III	174-240MHz
Audio Data Rate	320Kbps (Max)
Frequency Response	20 - 20KHz +/- 1.0dB
Analogue Output	2.1V at 0dBFS
Antenna Input	75V F connector

Networks

Network Connection	802.11b/g
Security	WEP, WPA1 (TKIP) , WPA2 (TKIP)
File Formats (UPnP Music Server)	AAC, MP3, WMA (except lossless), OGG Vorbis, WAV, AIFF, FLAC and AU

General

Power Consumption	16Watts
Standby Power Consumption (Normal Mode)	0.5Watts
Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Weight (Net)	5.1kgs (11.24 lbs)
Dimensions (W x H x D)	430 x 93 x 330mm (17 x 3 5/8 x 13ins)
Front Panel Height	80mm (3 1/8ins)
Finishes	Black, Silver

RT-11**DAB+ / FM tuner**

FM Tuner	
Usable Sensitivity	22.2dBf
50dB Quieting Sensitivity	27.2dBf (mono)
Signal to Noise Ratio (at 65 dBf)	63dBf (mono) 60dBf (stereo)
Harmonic Distortion (at 65 dBf)	0.2% (mono) 0.3% (stereo)
Frequency Response	10Hz-15kHz, ±3dB
Stereo Separation (100/1kHz/10kHz)	40dB/45dB/35dB
Output Level	1.0V
Antenna Input	75V unbalanced

DAB+ Tuner

Sensitivity	-80dBm
Tuning Range Band III	174-240MHz
Audio Data Rate	320Kbps (Max)
Frequency Response	20 - 20KHz +/- 1.0dB
Analogue Output	2.1V at 0dBFS
Antenna Input	75V F connector

Networks

Network Connection	N/A
Security	
File Formats (UPnP Music Server)	

General

Power Consumption	10Watts
Standby Power Consumption (Normal Mode)	0.5Watts
Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Weight (Net)	4.3kgs (9.48 lbs)
Dimensions (W x H x D)	430 x 73 x 330mm (17 x 2 7/8 x 13ins)
Front Panel Height	60mm (2 3/8ins)
Finishes	Black, Silver

RCD-12**CD player**

Total Harmonic Distortion + Noise	0.0045%@1kHz
Intermodulation Distortion	0.0045%@1kHz
Frequency Response	(±0.5db) 20-20,000Hz
Channel Balance	±0.5db
Phase Linearity	±0.5degree
Channel Separation	> 98dB@1kHz
Signal to Noise Ratio	>100dB
Dynamic Range	>96dB
Digital to Analogue Converter	Wolfson
Analogue Output Impedance	100V
Digital Output	0.5Volt, Peak to Peak
Digital Output Impedance	75V

General

Power Requirements (AC)	120V, 60Hz (USA) 230V, 50Hz (Europe)
Power Consumption	15Watts
Standby Power Consumption	0.5Watts
Dimensions (W x H x D)	430 x 93 x 313mm (17 x 3 5/8 x 12 5/16ins)
Panel Height	80mm (3 1/8ins)
Weight (Net)	5.4kgs (11.9lbs)
Finishes	Black, Silver

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