

ROTEL®

PRODUCT CATALOG
2019 VOL.01





A Passion for Performance

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- 14 MUSIC SYSTEMS
- 26 WHOLE HOUSE AUDIO
- 30 SPECIFICATIONS

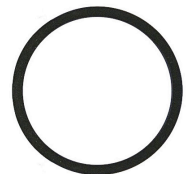
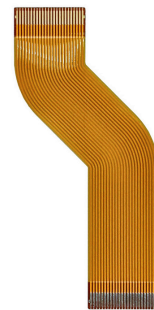
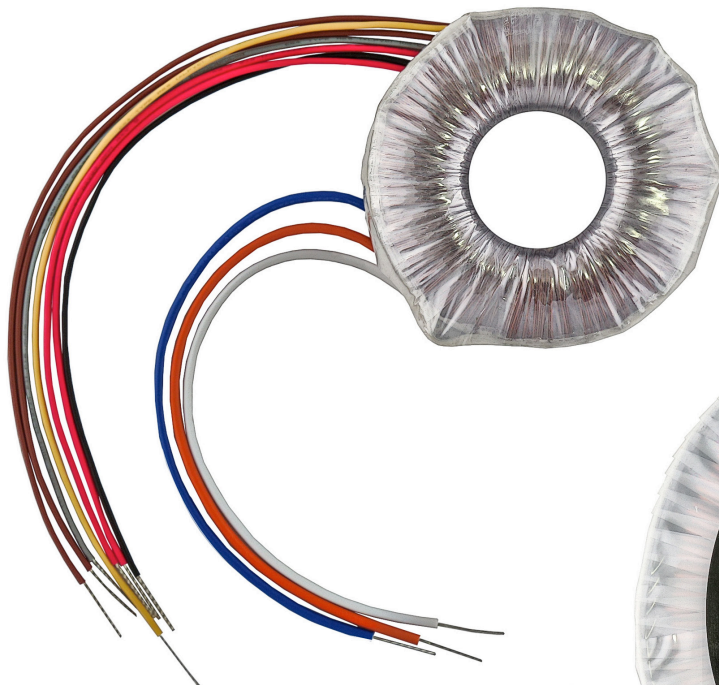
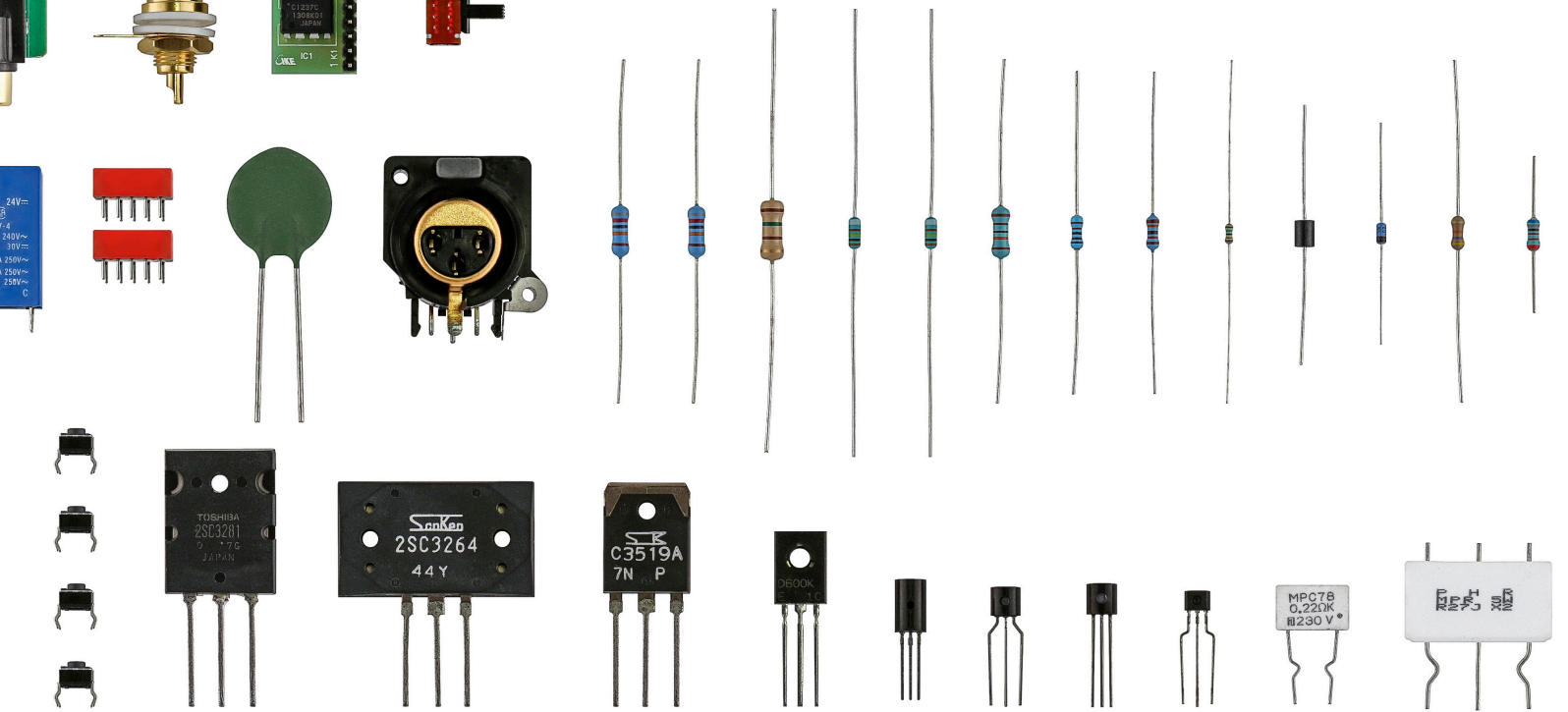


Bowers & Wilkins **805 D3** shelf or stand mount speaker (left)

RCD-1572 CD Player

RC-1572 Stereo Preamplifier

RB-1552 MKII Stereo Amplifier



WELCOME TO Rotel

There is no substitute for experience. More than fifty-five years of designing, engineering, and manufacturing audio/video components has put us at the top of the audio field. We have always been a family owned business. That is why we take the time to build, test, and critically evaluate each new model before it goes into production. Our reputation is personal.

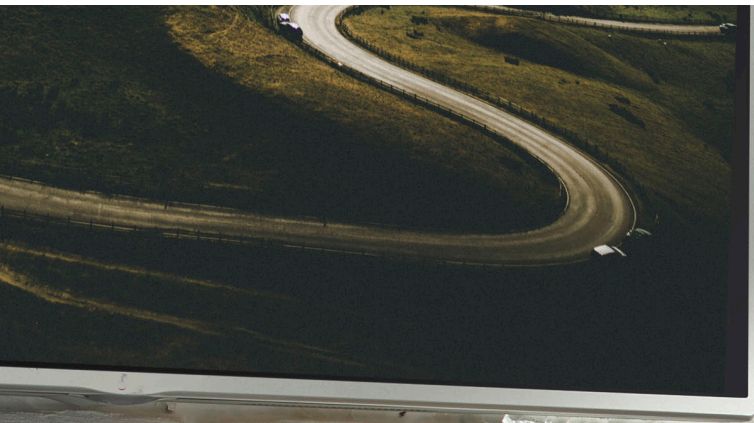


The transformer is the fundamental building block of a solid power supply. Rotel transformers are made in house ensuring we have complete control over the quality of this critical component.

HOME THEATER



Immerse Yourself



Ultra-high performance.

The RAP-1580 features separates performance in a single chassis.



RAP-1580

RAP-1580 is the ideal home theater solution for those who don't have space for separate components, yet still desire uncompromising performance. It is an ultra-high-performance multichannel integrated amplifier with surround processing that brings music and movies to life in a startlingly vivid way.

8 HDMI 2.0a inputs capable of 4K/UHD video passthrough

10 channel Parametric EQ for optimizing room acoustics

6 x Wolfson premium 24-bit/192kHz Digital to Analogue Converters

Decodes DTS:X

Bluetooth with aptX

3 HDMI inputs and both HDMI outputs support HDCP 2.2

7 x 100W class AB amplification

Supports Dolby® Atmos 7.1.4 processing

PC-USB input supporting 24-bit 192kHz audio

Moving Magnet Phono Input

Available in Black and Silver



RAP-1580 Surround Amplified Processor
Bowers & Wilkins **HTM2 D3** center channel
Bowers & Wilkins **802 D3** floorstanding speaker



RSP-1576 Surround Processor

RMB-1555 Multichannel Amplifier

Maximum fidelity.

Envelops you in dramatic cinematic sound, but also does full justice to pure music listening.



RSP-1576

A surround sound processor with classic Rotel audiophile quality for exceptional theater performance supporting 7.1.4 channels including Dolby® ATMOS.

Supports Dolby® ATMOS up to 7.1.4

Decodes DTS:X

7 HDMI 2.0a inputs capable of 4K/UHD video pass-through

7 HDMI inputs and both HDMI outputs support HDCP 2.2 and HDR 10

Bluetooth with aptX

PC-USB input supporting 24-bit 192kHz audio

Balanced XLR inputs

Moving magnet phono input for turntable connection

10 channel Parametric EQ for optimizing room acoustics

6 x Wolfson premium 24-bit/192kHz DACS

Rack ears included

Available in Black and Silver

Exceptional sound.

Rotel amplifiers excel at extracting all of the drama, suspense and action from your favorite movies and concerts.



RMB-1585

The pinnacle of performance in our superb multichannel power amplifier range, the RMB-1585 features 5 x 200 Watts to drive even the largest home theater speaker systems.

5 x 200 Watts of robust power

Class AB amplifier design

Massive power supply using
Dual Toroidal Transformers

High quality slit foil capacitors made in Britain

Rack ears included

Available in Black and Silver

RMB-1555

With only slightly less power than its big brother, the RMB-1555 retains a very robust power supply to deliver 5 x 120 Watts per channel to medium and large home theaters.

5 x 120 Watts of robust power

Class AB amplifier design

High quality slit foil capacitors made in Britain

12 volt trigger input

Rack ears included

Available in Black and Silver




MUSIC SYSTEMS



CD14 CD Player

A14 Integrated Amplifier



Sound
at its best

Made for the modern listener.

All the connectivity you need and the advanced audiophile technology to really bring it to life.



RA-1592

The RA-1592 Integrated Amplifier leverages the strengths of our award winning RC-1590 preamplifier and RB-1582 MKII power amplifier in a sleek single chassis design.

2 x 200 Watts of robust Class AB power

iOS control App

Bluetooth with aptX

AKM premium 32-bit/768kHz
Digital to Analogue Converter

Balanced XLR inputs

Available in Black and Silver



RA-1572

The RA-1572 combines proven analogue design with sophisticated digital circuits to bring all of your sources to life with amazing fidelity.

2 x 120 Watts of robust Class AB power

iOS control App

Bluetooth with aptX

AKM premium 32-bit/768kHz
Digital to Analogue Converter

Moving magnet phono input
for turntable connection

Available in Black and Silver



RA-1572 Integrated Amplifier



A14

The A14 is a high performance, 80-watt per channel integrated amplifier that delivers superb music reproduction and features connections for both analogue and digital sources, along with Bluetooth with aptX streaming.

2 x 80 Watts of robust Class AB power

iOS control App

Integrated Bluetooth aptX

AKM premium 32-bit/768kHz
Digital to Analogue Converter

Moving magnet phono input
for turntable connection

Available in Black and Silver



A12

Rotel's A12 integrated amplifier offers impressive audio performance as well, but with slightly less output at 60-watts per channel. Input connections include both analogue and digital, along with aptX Bluetooth streaming capability.

2 x 60 Watts of robust Class AB power

Front panel USB for Apple iOS devices

Bluetooth with aptX

Wolfson premium 24-bit/192kHz
Digital to Analogue Converter

Moving magnet phono input
for turntable connection

Available in Black and Silver



A10

The A10 is a 40-watt per channel integrated amplifier that will satisfy the audio purist who doesn't require high power output or digital streaming capability.

2 x 40 Watts of robust Class AB power

High current power supply

3.5mm analogue media input

Moving magnet phono input
for turntable connection

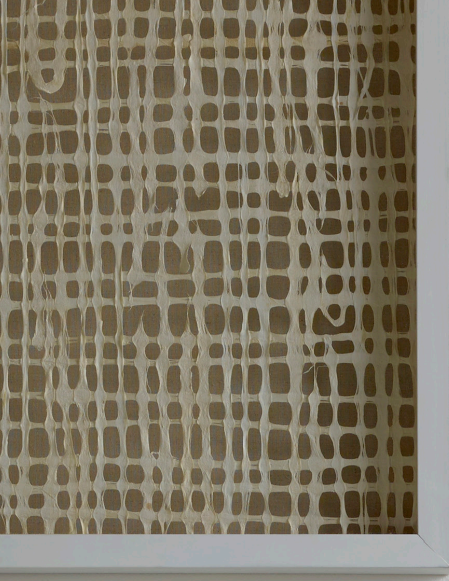
Available in Black and Silver

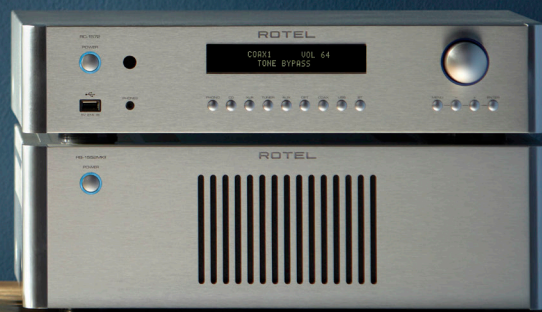
#musiclover

RA-1592 Integrated Amplifier

Bowers & Wilkins **803 D3** floorstanding speaker







STEREO PREAMPLIFIERS

STEREO DAC

Control & flexibility.

From bluetooth to analogue turntables, CD players to digital streams, Rotel Preamplifiers allow you unprecedented control and flexibility to listen how you like.

Superior sonics.

Upgrade the performance of your digital music sources.



RC-1590

For music enthusiasts who won't accept compromise, the reference RC-1590 preamplifier is in a class by itself.

AKM premium 32-bit/768kHz
Digital to Analogue Converter

iOS control App

Bluetooth with aptX

Dual toroidal transformers isolate
the analogue and digital signal paths

Balanced XLR inputs and dual outputs

Available in Black and Silver



RC-1572

The RC-1572 provides an entryway into higher performing separate components with all of the analogue and digital inputs required by today's sources.

AKM premium 32-bit/768kHz
Digital to Analogue Converter

iOS control App

Bluetooth with aptX

Moving magnet phono input
for turntable connection

Balanced XLR inputs and outputs

Available in Black and Silver



RDD-1580

Rotel's 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 digital file formats.

Dual Wolfson premium 24-bit/192kHz
Digital to Analogue Converters

Rear panel PC-USB input supports
files up to 24-bit / 192kHz

Balanced XLR outputs

Rack ears included

Available in Black and Silver



CD PLAYERS

Elevating performance.

Refined technology and evolved circuitry will bring your CDs to life.



RCD-1572

The culmination of more than three decades of Rotel CD technology refinement, the RCD-1572 is the flagship CD player in Rotel's 15 Series.

Wolfson premium 24-bit/192kHz
Digital to Analogue Converter

iOS control App (requires connection
to 15 Series RA/RC models)

Includes remote control

Balanced XLR outputs

Available in Black and Silver



CD14

Enjoy your CD collection investment with Rotel's CD14 compact disc player. As with all 14 series components, it features a high performance power supply and intuitive operation.

Wolfson premium 24-bit/192kHz
Digital to Analogue Converter

iOS control App
(requires connection to A14)

Includes remote control

12 volt trigger input

Available in Black and Silver

Left:

RC-1572 Stereo Preamplifier

RB-1552 MKII Stereo Amplifier

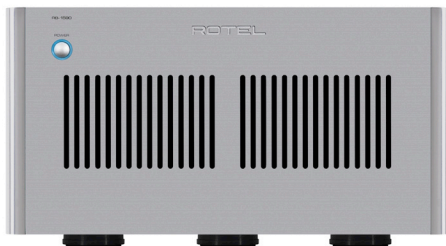
Right:

A14 Integrated Amplifier

CD14 CD Player

Power & refinement.

Engineered to be robust, yet able to extract every last nuance out of even the most complex musical score.



RB-1590

The RB-1590 is at the top of its class as a 2 x 350 Watts stereo amplifier with dual toroidal transformers and special slit foil capacitors.

2 x 350 Watts of robust power

Class AB amplifier design

Massive power supply using
Dual Toroidal Transformers

High quality slit foil capacitors
made in Britain

Balanced XLR inputs

Available in Black and Silver



RB-1582 MKII

At 2 x 200 Watts per channel and utilizing Rotel's Balanced Design Concept for superior performance, the RB-1582 MKII is a compelling stereo amplifier.

2 x 200 Watts of robust power

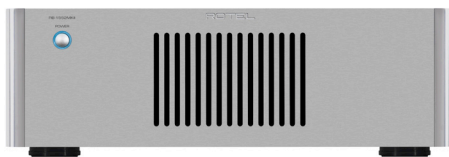
Class AB amplifier design

High quality slit foil capacitors
made in Britain

Balanced XLR inputs

Rack ears included

Available in Black and Silver



RB-1552 MKII

RB-1552 MKII is built upon the same platform as the RB-1582 MKII with only a slightly smaller power output capability at 2 x 130 Watts.

2 x 130 Watts of robust power

Class AB amplifier design

High quality slit foil capacitors
made in Britain

Balanced XLR inputs

Rack ears included

Available in Black and Silver

Top notch listening.

Rotel tuners provide a wealth of high quality listening choices.



T14

The T14 provides a wealth of high quality listening choices, from over the air FM/DAB+ broadcasts to a wide variety of internet streaming services over Wifi courtesy of DTS Play-Fi.

DTS Play-Fi technology for wireless audio streaming

DAB+ tuning

iOS control App

TI 32 bit / 384 kHz DAC

RDS (Radio Data System) capability for FM broadcasts

Available in Black and Silver



T11 Tuner
A10 Integrated Amplifier



T11

Rotel's T11 is a high quality FM/DAB+ tuner with up to 30 station presets. It provides a wealth of free music listening options.

DAB+ tuning

RDS (Radio Data System) capability for FM broadcasts

Includes remote control

Available in Black and Silver

WHOLE HOUSE AUDIO



Music
everywhere



Performance & flexibility.

Allows you to listen to what you want, wherever you want.



RKB-8100

8 x 100 Watts of robust power



RKB-D8100

8 x 100 Watts of robust power



RKB-850

8 x 50 Watts of robust power

The RKB distribution amplifiers come in one eight-channel configuration at 8 x 50 watts and two at 8 x 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, efficient Class D design. The amplifiers are rugged and extremely reliable, but Rotel has taken additional further precautions to maximize service life by utilizing dual thermostatically controlled fans to exhaust heat away from the output modules and power supply.

The Digital version (Designated by a “D” in the nomenclature) feature four TOSlink digital inputs with individual stereo DACS for each pair of channels in addition to the four analogue inputs. When a digital audio source is detected on the TOSlink input the unit will automatically switch to the digital input. If an analogue input is connected, that source similarly will be detected. No user configuration is required. Each digital input supports up to 24 Bit/192 kHz LPCM audio.

SHARED FEATURES:

Class D amplifier design

Rack ears included

Automatic signal sensing

12 volt trigger input

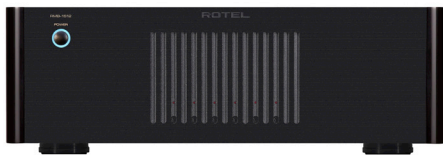
Input linking

Available in Black

RKB-D8100 only:

4 individual 24-bit/192kHz

Digital to Analogue Converters



RMB-1512

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 controls, five-way binding posts and screw terminals.

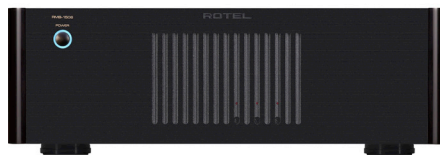
12 x 100 Watts of robust power

Class D amplifier design

Automatic signal sensing

12 volt trigger input

Available in Black



RMB-1506

The RMB-1506 is perfect for less elaborate multizone audio systems and can be mated with our surround receiver or our preamp/processors to add music throughout three additional living areas or “zones” of your home. A buffered link output allows you to link additional amplifiers for larger multizone applications.

As with all Rotel custom amplifiers it includes the most wanted custom installation features such as front panel attenuation control, input linking, 12-volt trigger, buffered link output, five-way binding posts and an IEC detachable power cord.

6 x 50 Watts of robust power

Class AB amplifier design

Automatic signal sensing

12 volt trigger input

Available in Black

SPECIFICATIONS

RAP-1580

Audio

Continuous Power Output
(20 Hz- 20k Hz, THD < 0.05%, 8 ohms) 100 watts / channel
7 channels driven

Continuous Power Output
(1k Hz, THD < 0.03%, 8 ohms) 150 watts / channel
2 channels driven

Total Harmonic Distortion < 0.03%

Intermodulation Distortion
(60 Hz : 7k Hz, 4:1) < 0.03%

Frequency Response

Phono Input	20 Hz - 20k Hz, ± 1 dB
Analog Bypass	10 Hz - 100k Hz, ± 1 dB
Digital Input	20 Hz - 20k Hz, ± 0.5 dB

Damping Factor (1k Hz, 8 ohms) 230

Signal to Noise Ratio (IHF A-weighted)

Analog Bypass	100 dB
Digital Input	96 dB

Input Sensitivity / Impedance

Phono Level	3.85 mV / 47k ohms
Line Level	300 mV / 100k ohms
Balance Level	600 mV / 100k ohms

Preamp Output Level 1.2 V

Digital Audio LPCM (up to 192kHz, 24-bit)
Dolby® Surround, Dolby® TrueHD,
Dolby® Atmos, DTS-HD Master
Audio, DTS:X

Video

Input Resolutions 480i/576i, 480p/576p, 720p, 1080i,
1080p, 1080p 24Hz, 3D, 4K, UHD

Output Resolution 480i/576i, 480p/576p, 720p, 1080i,
1080p, 1080p 24Hz, 3D, 4K, UHD

Color Space Support sRGB, YCbCr 4:2:2, YCbCr 4:4:4

Deep Color Support 24-bit, 30-bit, 36-bit

HDMI Inputs / Outputs 8 inputs with 3 supporting HDCP 2.2
2 outputs supporting HDCP 2.2
Audio Return Channel

RSP-1576

Audio

Total Harmonic Distortion 0.0006% (Analog Bypass)
0.003% (Digital Input)

Intermodulation Distortion
(60 Hz : 7k Hz, 4:1) < 0.005%

Frequency Response

Phono Input	20 Hz - 20k Hz, ± 0.5 dB
Analog Bypass	10 Hz - 100k Hz, ± 1.0 dB
Digital Input	20 Hz - 20k Hz, ± 0.5 dB

Signal to Noise Ratio (IHF A-weighted)

Analog Bypass	112 dB
Digital Input	112 dB

Input Sensitivity / Impedance

Phono Level	3.5 mV / 47k ohms
Line Level	270 mV / 100k ohms
Balance Level	500 mV / 100k ohms

Preamp Output Level 1.0 V (Line Level)

Channel Separation > 75 dB (at 10k Hz)

Digital Audio LPCM (up to 192kHz, 24-bit)
Dolby® Surround, Dolby® TrueHD,
Dolby® Atmos, DTS-HD Master Audio,
DTS:X

Video

Input Resolutions 480i/576i, 480p/576p, 720p,
1080i, 1080p, 1080p 24Hz,
3D, 4K, UHD, 4K 60Hz, 4K HDR10

Output Resolution 480i/576i, 480p/576p, 720p,
1080i, 1080p, 1080p 24Hz,
3D, 4K, UHD, 4K 60Hz, 4K HDR10

Color Space Support sRGB, YCbCr 4:2:2, YCbCr 4:4:4

Deep Color Support 24-bit, 30-bit, 36-bit

HDMI Inputs / Outputs 7 inputs supporting HDCP 2.2, HDMI2.0a
2 outputs supporting HDCP 2.2, HDMI2.0a
Audio Return Channel

RMB-1585

Power Output 200 watts x 5 channels
(all channels driven) (20 Hz-20k Hz, < 0.03% THD, 8 ohms)

Intermodulation Distortion
(60 Hz : 7k Hz, 4:1) < 0.03%

Damping Factor (8 ohms) 260

Gain 26.5 dB

Input Sensitivity / Impedance

Unbalanced (RCA)	1.9 V / 12k ohms
Balanced (XLR)	3.8 V / 100k ohms

Frequency Response 10 Hz - 100k Hz (± 3.0 dB)

Signal to Noise Ratio (IHF A-weighted) 116 dB

RMB-1555

Power Output 120 watts x 5 channels
(all channels driven) (20 Hz-20k Hz, < 0.03% THD, 8 ohms)

Intermodulation Distortion
(60 Hz : 7k Hz, 4:1) < 0.03%

Damping Factor (8 ohms) 180

Gain 26.5 dB

Input Sensitivity / Impedance

Frequency Response 10 Hz - 100k Hz (± 3.0 dB)

Signal to Noise Ratio (IHF A-weighted) 116 dB

RA-1592

Continuous Power Output (20 Hz - 20k Hz, < 0.03%, 8 ohms)	200 watts / channel
Total Harmonic Distortion (20 Hz - 20k Hz, 8 ohms)	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%
Frequency Response	
Phono Input	20 Hz - 20k Hz, ± 0.5 dB
Line Level Inputs	10 Hz - 100k Hz, ± 0.5 dB
Damping Factor (20 Hz - 20k Hz, 8 ohms)	600
Input Sensitivity / Impedance	
Phono Input (MM)	5.2 mV / 47k ohms
Line Level Inputs (RCA)	340 mV / 100k ohms
Line Level Inputs (XLR)	540 mV / 100k ohms
Input Overload	
Phono Input (MM)	52 mV
Line Level Inputs (RCA)	3.5 V
Line Level Inputs (XLR)	5.5 V
Preamplifier Output / Impedance	1.9 V / 100 ohms
Signal to Noise Ratio (IHF A-weighted)	
Phono Input (MM)	80 dB
Line Level Inputs	103 dB
Digital Section	
Frequency Response	10 Hz - 90k Hz (± 2.0 dB, Max)
Signal to Noise Ratio (IHF A-weighted)	102 dB
Input Sensitivity / Impedance	0 dBfs / 75 ohms
Preamplifier Output Level	1.4 V (at -20 dB)
Coaxial / Optical Digital Signals	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 384kHz 32bit)* *Driver installation required DSD and DoP support

RA-1572

Continuous Power Output (20 Hz - 20k Hz, < 0.03%, 8 ohms)	120 watts / channel
Total Harmonic Distortion (20 Hz - 20k Hz, 8 ohms)	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%
Frequency Response	
Phono Input	20 Hz - 20k Hz, ± 0.5 dB
Line Level Inputs	10 Hz - 100k Hz, ± 0.5 dB
Damping Factor (20 Hz - 20k Hz, 8 ohms)	300
Input Sensitivity / Impedance	
Phono Input (MM)	2.1 mV / 47k ohms
Line Level Inputs (RCA)	270 mV / 100k ohms
Line Level Inputs (XLR)	440 mV / 100k ohms
Input Overload	
Phono Input (MM)	32 mV
Line Level Inputs (RCA)	4 V
Line Level Inputs (XLR)	5.5 V
Preamplifier Output / Impedance	1.5 V / 470 ohms
Signal to Noise Ratio (IHF A-weighted)	
Phono Input (MM)	80 dB
Line Level Inputs	100 dB
Digital Section	
Frequency Response	10 Hz - 90k Hz (± 2.0 dB, Max)
Signal to Noise Ratio (IHF A-weighted)	100 dB
Input Sensitivity / Impedance	0 dBfs / 75 ohms
Preamplifier Output Level	1.3 V (at -20 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 384kHz 32bit)* *Driver installation required DSD and DoP support

RDD-1580

Total Harmonic Distortion	< 0.004%
Intermodulation Distortion (60 Hz : 7k Hz)	< 0.004%
Frequency Response	10 Hz - 95k Hz (± 3.0 dB)
Signal to Noise Ratio (IHF A-weighted)	128 dB
Input Sensitivity / Impedance	0 dBfs / 75 ohms
Line Output Level / Impedance (RCA)	2.0 V / 100 ohms
Line Output Level / Impedance (XLR)	4.0 V / 200 ohms
Digital Inputs	SPDIF LPCM (up to 192kHz 24bit)
PC-USB File Decoding	Plays all file types supported by PC software player up to 192kHz 24bit

SPECIFICATIONS

	A14	A12	A10
Continuous Power Output (20 Hz - 20k Hz, < 0.03%, 8 ohms)	80 watts / channel	60 watts/channel	40 watts / channel
Total Harmonic Distortion (20 Hz - 20k Hz, 8 ohms)	< 0.03%	< 0.03%	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%	< 0.03%
Frequency Response			
Phono Input	20 Hz - 20k Hz, ± 0.5 dB	20 Hz - 20k Hz, ± 0.5 dB	20 Hz - 15k Hz, ± 0.3 dB
Line Level Inputs	10 Hz - 100k Hz, ± 0.5 dB	10 Hz - 100k Hz, ± 0.5 dB	10 Hz - 40k Hz, ± 1.0 dB
Damping Factor (20 Hz - 20k Hz, 8 ohms)	220	220	180
Input Sensitivity / Impedance			
Phono Input	3.4 mV / 47k ohms	3 mV / 47k ohms	2.5 mV / 47k ohms
Line Level Inputs	230 mV / 24k ohms	200 mV / 24k ohms	150 mV / 24k ohms
Input Overload			
Phono Input	50 mV	50 mV	180 mV
Line Level Inputs	4 V	4 V	5 V
Preamplifier Output / Impedance	1.2 V / 470 ohms	1 V / 470 ohms	1 V / 470 ohms
Tone Controls - Bass / Treble	± 10 dB at 100 Hz / 10k Hz	± 10 dB at 100 Hz / 10k Hz	± 6 dB at 100 Hz / 10k Hz
Signal to Noise Ratio (IHF A-weighted)			
Phono Input	90 dB	90 dB	80 dB
Line Level Inputs	100 dB	100 dB	100 dB
Digital Section			
Frequency Response	10 Hz - 80k Hz (± 3.0 dB, Max)	10 Hz - 80k Hz (± 3.0 dB, Max)	
Signal to Noise Ratio (IHF A-weighted)	103 dB	103 dB	
Input Sensitivity / Impedance	0 dBfs / 75 ohms	0 dBfs / 75 ohms	
Preamplifier Output Level	1.3 V (at - 20 dB)	1.3 V (at - 20 dB)	
Digital Inputs	SPDIF LPCM (up to 192kHz 24 bit)	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 384kHz 32bit)* *Driver installation required DSD and DoP support	USB Audio Class 1.0 (up to 96kHz 24bit) USB Audio Class 2.0 (up to 192kHz 24bit)* *Driver installation required	

RCD-1572

Total Harmonic Distortion + Noise	0.002% @ 1kHz
Frequency Response	20 Hz - 20k Hz (± 0.5 dB)
Channel Balance	± 0.5 dB
Channel Separation	> 115 dB @ 10k Hz
Signal to Noise Ratio (IHF A-weighted)	> 118 dB
Dynamic Range	> 99 dB
Digital to Analog Converters	Wolfson 24 bit / 192kHz DAC
Analog Output Level / Impedance (0dBfs)	
Unbalanced (RCA)	2.2 V / 100 ohms
Balanced (XLR)	4.4 V / 200 ohms
Digital Output Level	0.5 V, Peak to Peak
Load Impedance	75 ohms

CD14

Total Harmonic Distortion + Noise	0.002% @ 1kHz
Intermodulation Distortion	0.002% @ 1kHz
Frequency Response	20 Hz - 20k Hz (± 0.5 dB)
Channel Balance	± 0.5 dB
Phase Linearity	± 0.5 degree
Channel Separation	> 115 dB @ 10k Hz
Signal to Noise Ratio (IHF A-weighted)	> 118 dB
Dynamic Range	> 99 dB
Digital to Analog Converters	Wolfson 24 bit / 192kHz DAC
Analog Output Impedance	100 ohms
Digital Output Level	0.5 V, Peak to Peak
Load Impedance	75 ohms

RC-1590

Total Harmonic Distortion (20 Hz - 20k Hz)	< 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	20 Hz - 20k Hz, ± 0.2 dB
Line Level Inputs	10 Hz - 100k Hz, ± 0.1 dB
Signal to Noise Ratio (IHF A-weighted)	
Phono Input	80 dB
Line Level Inputs	112 dB
Channel Separation	
Phono Input	> 75 dB
Line Level Inputs	> 75 dB
Digital Section	
Frequency Response	20 Hz - 20k Hz, (± 0.5 dB, Max)
Signal to Noise Ratio (IHF A-weighted)	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/DoP 1x, 2x

RC-1572

Total Harmonic Distortion (20 Hz - 20k Hz)	< 0.004%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.004%
Input Sensitivity / Impedance	
Phono Input (MM)	3 mV / 47k ohms
Line Level Inputs (RCA)	200 mV / 100k ohms
Line Level Inputs (XLR)	300 mV / 100k ohms
Input Overload	
Phono Input	62 mV
Line Level Inputs	4 V
Output Level	
Line Level (RCA)	1 V
Balanced (XLR)	2 V
Frequency Response	
Phono Input	20 Hz - 20k Hz, ± 0.3 dB
Line Level Inputs	10 Hz - 100k Hz, ± 0.3 dB
Tone Controls	
Bass	± 10 dB at 100 Hz
Treble	± 10 dB at 10k Hz
Signal to Noise Ratio (IHF A-weighted)	
Phono Input	80 dB
Line Level Inputs	110 dB
Channel Separation	> 64 dB
Digital Section	
Frequency Response	20 Hz - 20k Hz (± 0.5 dB Max)
Signal to Noise Ratio (IHF A-weighted)	100 dB
Input Sensitivity / Impedance	0 dBfs / 75 ohms
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 384kHz 32bit)* *Driver installation required DSD and DoP support

RB-1590

Power Output (all channels driven)	350 watts / channel (20 Hz - 20k Hz, < 0.03%, 8 ohms)
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%
Damping Factor (8 ohms)	300
Input Sensitivity / Impedance	
Unbalanced (RCA)	2.2 V / 12k ohms
Balanced (XLR)	3.5 V / 100k ohms
Frequency Response	10 Hz - 100k Hz (± 0.5 dB)
Signal to Noise Ratio (IHF A-weighted)	120 dB
Gain	
Unbalanced (RCA)	27.5 dB (± 0.5 dB)
Balanced (XLR)	23.5 dB (± 0.5 dB)

RB-1582 MKII

200 watts x 2 channels (20 Hz - 20k Hz, < 0.03% THD, 8 ohms)
< 0.03%
800
1.9 V / 12k ohms
3.0 V / 100k ohms
10 Hz-100k Hz (± 0.5 dB)
116 dB
26.5 dB
22.5 dB

RB-1552 MKII

130 watts x 2 channels (20 Hz - 20k Hz, < 0.03% THD, 8 ohms)
< 0.03%
450
1.5 V / 12k ohms
2.5 V / 100k ohms
10 Hz - 100k Hz (± 0.5 dB)
120 dB
26.5 dB
22.5 dB

SPECIFICATIONS

	T14	T11
FM Tuner		
Usable Sensitivity	22.2 dBf	22.2 dBf
50dB Quieting Sensitivity	27.2 dBf (mono)	27.2 dBf (mono)
Signal to Noise Ratio		
	Mono 65 dBf (at 70 dBf)	63 dBf (at 65 dBf)
	Stereo 60 dBf (at 70 dBf)	60 dBf (at 65 dBf)
Harmonic Distortion		
	Mono 0.2% (at 70 dBf)	0.2% (at 65 dBf)
	Stereo 0.3% (at 70 dBf)	0.3% (at 65 dBf)
Frequency Response	10 Hz - 15k Hz, ± 3.0 dB	10 Hz - 15k Hz, ± 3.0 dB
Stereo Separation (100 Hz / 1kHz)	35 dB / 30 dB	40 dB / 37 dB
Output Level	1.4 V	1.0 V
Antenna Input	75 ohms F connector	75 ohms F connector
DAB Tuner		
Sensitivity	-80 dBm	-80 dBm
Tuning Range	Band III (174 - 240M Hz)	Band III (174 - 240M Hz)
Audio Data Rate	224kbps (Max)	224kbps (Max)
Frequency Response	20 Hz - 20k Hz, ± 0.2 dB	20 Hz - 20k Hz, ± 1.0 dB
Analog Output	2.1 V at 0 dBFS	2.1 V at 0 dBFS
Antenna Input	75 ohms F connector	75 ohms F connector

	RKB-850	RKB-8100	RKB-D8100
Power Output (all channels driven)	50 watts x 8 channels (20 Hz - 20k Hz, < 0.1% THD, 8 ohms)	100 watts x 8 channels (20 Hz - 20k Hz, < 0.1% THD, 8 ohms)	100 watts x 8 channels (20 Hz - 20k Hz, < 0.1% THD, 8 ohms)
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.08%	< 0.08%	< 0.08%
Damping Factor	> 150	> 150	> 150
Gain	30 dB	30 dB	30 dB
Input Sensitivity / Impedance	0.6V / 100k ohms	0.9 V / 100k ohms	0.9 V / 50k ohms
Frequency Response	20 Hz - 20k Hz, +0 dB / -1.4 dB	20 Hz - 20k Hz, +0 dB / -1.4 dB	20 Hz - 20k Hz, +0 dB / -1.4 dB
Signal to Noise Ratio (IHF A-weighted)	108 dB	108 dB	108 dB

	RMB-1512	RMB-1506
Power Output (all channels driven)	100 watts x 12 channels (20 Hz-20k Hz, < 0.03% THD, 8 ohms) 200 watts x 12 channels (20 Hz-20k Hz, < 0.03% THD, 4 ohms)	50 watts x 6 channels (20 Hz-20k Hz, < 0.03% THD, 8 ohms) 80 watts x 6 channels (DIN 1K Hz, 1.0% THD)
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%
Damping Factor (8 ohms)	200	> 200
Gain	27.2 dB	26 dB
Input Sensitivity / Impedance	1.25 V / 8.3k ohms	1.0 V / 20k ohms
Frequency Response	10 Hz - 40k Hz (±1 dB)	10 Hz - 100k Hz (±1 dB)
Signal to Noise Ratio (IHF A-weighted)	105 dB	115 dB

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