

ROTEL®

PRODUCT CATALOG



ROTEL®

The collage features a variety of electronic components:

- Top Row:** Several integrated circuits (ICs) including a TI80401, a Sanyo 2SC3264 4.4Y, a C3519A 7N P, and others, along with a small green component and a white component labeled 'BPS 10'.
- Second Row:** More ICs, a green PCB with various components, a green component labeled 'R20-20W', and two gold-colored connectors.
- Third Row:** A large circular component with a black center and a silver outer ring, featuring the text 'Custom designed and manufactured by ROTEL'. To its right is a bundle of colorful wires.
- Bottom Row:** A variety of capacitors (electrolytic and ceramic) and diodes in different colors and sizes.



AMPLIFYING SOUND, ELEVATING LIFE.™



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.

The Rotel logo is displayed in white, uppercase, sans-serif font on a dark teal square background.

ROTEL®

Performance is our passion.

- 6 PERSONAL AUDIO
- 10 HOME THEATRE
- 12 MUSIC SYSTEMS
- 30 WHOLE HOUSE AUDIO
- 34 PRODUCT SPECIFICATIONS



CD1MKII CD Player

A10MKII Integrated Amplifier

PERSONAL AUDIO



DX-3 Headphone Amplifier

Precision Innovation meets Elevated Heritage.

Redefine the personal audio space with performance, features and value exquisitely packaged.



DX-3

The Rotel DX 3 is the ultimate audio companion combining the sophistication of an ESS Sabre DAC with an integrated Headphone Amplifier packaged in an elegant, size efficient chassis.

ESS premium 32 bit Digital to Analog Converter

Wireless aptX™ HD and AAC Bluetooth

Fully balanced differential XLR outputs

Certified Roon Tested

Includes Remote Control

Available in Black and Silver



DX-5

The Rotel DX-5 is a sleek, ultra high-performance Personal Audio Integrated Amplifier delivering ultra-high precision Class AB amplification directly to your loudspeakers packaged in an elegant, space-efficient chassis.

2 x 25 Watts at 8 Ω (2 x 33 Watts at 4 Ω)
of Robust Class AB power

Wireless aptX™ HD and AAC Bluetooth

ESS premium 32 bit Digital to Analog Converter

Certified Roon Tested

Includes Remote Control

Available in Black and Silver





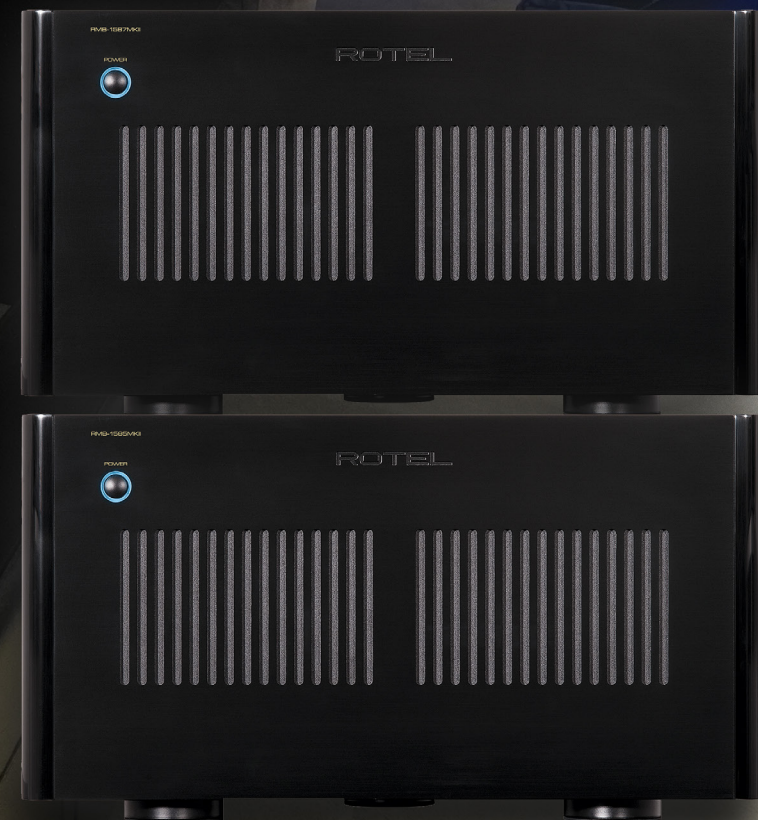
DX-5 Integrated Amplifier

HOME THEATRE



RMB-1587MKII Multichannel Amplifier

RMB-1585MKII Multichannel Amplifier



Exceptional sound.

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



RMB-1587MKII

Rotel's new RMB-1587MKII 7-channel amplifier furthers our heritage of producing high powered, high current, exceptionally manufactured Class AB amplifiers for multi-channel systems.

7 x 155 Watts at 8 Ω (7 x 250 Watts at 4 Ω)
of robust power

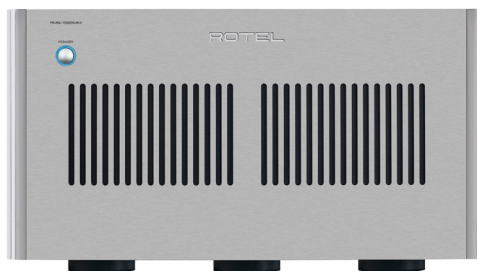
Class AB amplifier design

Massive power supply using
Dual Toroidal Transformers

High quality slit foil capacitors

12 volt trigger input and output

Available in Black and Silver



RMB-1585MKII

The RMB-1585MKII delivers unparalleled performance with 5-channels of Rotel Class AB amplification rated at 210 Watts per channel into 8 ohms and an impressive 340 Watts per channel into 4 ohms with all channels driven.

5 x 210 Watts at 8 Ω (5 x 340 Watts at 4 Ω)
of robust power

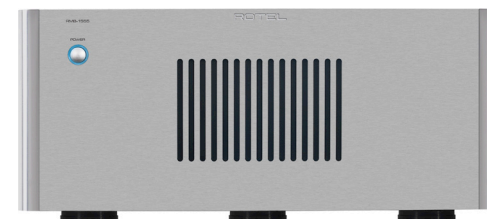
Class AB amplifier design

Massive power supply using
Dual Toroidal Transformers

High quality slit foil capacitors

12 volt trigger input and output

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 into 8 ohm loads per channel to medium and large home theaters.

5 x 120 Watts at 8 Ω (5 x 170 Watts at 4 Ω)
of robust power

Class AB amplifier design

High quality slit foil capacitors

12 volt trigger input

Available in Black and Silver

MUSIC SYSTEM





RAS-5000 Integrated Streaming Amplifier

Streaming your days away.

The Integrated Amplifier streams music directly from popular music sources rendering the audio with detailed precision and clarity.



RAS-5000

The RAS-5000 seamlessly integrates HDMI ARC (Audio Return Channel) for playback of video sound, and effortlessly streams from online sources to play your favorite music from Spotify Connect, Tidal Connect, Internet Radio, or any service available on your computer, tablet, or mobile device via Airplay 2, Google Cast, Roon, or aptX™ HD Wireless Bluetooth.

2 x 140 Watts at 8 Ω (2 x 220 Watts at 4 Ω)
of robust power

Class AB amplifier design

Wireless aptX™ HD and AAC Bluetooth

ESS premium 32-bit Digital to Analog Converter

Supports MQA and MQA Studio

Supports HDMI ARC function

Available in Black and Silver



S14

The S14 Integrated Amplifier is an all-in-one audio solution seamlessly streaming your favorite music powered by a robust Class AB 150 Watt amplifier. The S14 extends its versatility supporting both modern and traditional source inputs including analog, digital, aptX™ HD and AAC Bluetooth, and PC-USB.

2 x 80 Watts at 8 Ω (2 x 150 Watts at 4 Ω)
of robust power

Class AB amplifier design

Wireless aptX™ HD and AAC Bluetooth

ESS premium 32-bit Digital to Analog Converter

Supports MQA and MQA Studio

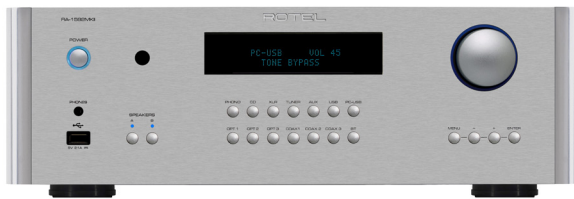
Available in Black and Silver



S14 Integrated Streaming Amplifier

Made for the modern listener.

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



RA-1592MKII

The RA-1592MKII delivers 200 Watts of Class AB output into 8 ohm speakers supporting your favorite analog, digital, XLR, aptX™ HD and AAC Wireless Bluetooth, PC-USB with MQA and Moving Magnet Phono stage inputs.

2 x 200 Watts at 8 Ω (2 x 350 Watts at 4 Ω)
of robust Class AB power

Wireless aptX™ HD and AAC Bluetooth

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Supports MQA and MQA Studio

Certified Roon Tested

Available in Black and Silver



RA-1572MKII

The RA-1572MKII Integrated Amplifier brings music to life with exceptional fidelity delivering 120 Watts of Class AB output into 8 ohms with deep, controlled bass energy.

2 x 120 Watts at 8 Ω (2 x 200 Watts at 4 Ω)
of robust Class AB power

Wireless aptX™ HD and AAC Bluetooth

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Supports MQA and MQA Studio

Certified Roon Tested

Available in Black and Silver



RA-1572MKII Integrated Amplifier
RCD-1572MKII CD Player



A8 Integrated Amplifier



When music matters, Rotel delivers.

The love of music is the reason Rotel has been designing and manufacturing high-performance audio systems for over 60 years.



A14MKII

The A14MKII Integrated Amplifier delivers 80 Watts per channel into 8 ohm loads of Class AB amplification from your favorite sources including analog, digital, PC-USB with MQA, wireless aptX™HD and AAC Bluetooth and Moving Magnet Phono stage.

2 x 80 Watts at 8 Ω (2 x 150 Watts at 4 Ω)
of robust Class AB power

Wireless aptX™ HD and AAC Bluetooth

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Supports MQA and MQA Studio

Certified Roon Tested

Available in Black and Silver



A12MKII

The A12MKII Integrated Amplifier measures only a slim 80 mm (3 inches) tall but stands well above its sleek design profile in performance delivering 60-watts of Class AB power into 8 ohms and feature set engineered for all music lovers.

2 x 60 Watts at 8 Ω (2 x 120 Watts at 4 Ω)
of robust Class AB power

Moving Magnet Phono Stage Input
for turntable connection

Wireless aptX™ HD Bluetooth

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Certified Roon Tested

Available in Black and Silver

INTEGRATED AMPLIFIERS



A11MKII

The A11MKII Integrated Amplifier offers an ideal combination of power and connectivity for the music lover seeking to elevate their listening experience.

- 2 x 50 Watts at 8 Ω (2 x 62 Watts at 4 Ω) of robust Class AB power
- 3 RCA analog, Coaxial and Optical inputs
- Wireless aptX™ HD and AAC Bluetooth
- Texas Instruments 32-bit/384kHz Digital to Analog Converter
- Moving Magnet Phono Stage Input for turntable connection
- Available in Black and Silver



A10MKII

Constructed with a massive Rotel-built toroidal transformer, the A10MKII delivers 50 Watts per channel of Class A/B power into 8 ohms featuring three RCA inputs and a Moving Magnet Phono stage for vinyl lovers.

- 2 x 50 Watts at 8 Ω (2 x 60 Watts at 4 Ω) of robust Class AB power
- High current power supply
- 3 RCA analog inputs
- Moving Magnet Phono Stage Input for turntable connection
- Includes Remote Control
- Available in Black and Silver



A8

The A8 Integrated Amplifier blends power, size, efficiency, and value for music lovers yearning to enhance their musical journey.

- 2 x 30 Watts at 8 Ω (2 x 40 Watts at 4 Ω) of robust Class AB power
- High current power supply
- Moving Magnet Phono Stage Input for turntable connection
- Includes Remote Control
- Available in Black and Silver



RC-1572MKII Stereo Preamplifier

RB-1552MKII Stereo Amplifier

Control & flexibility.

From Bluetooth to analog turntables, CD players to digital streams, Rotel Preamplifiers allow you unprecedented control and the ultimate flexibility to listen how you like.



RC-1590MKII

Rotel's RC-1590MKII reference preamplifier renders audio with natural expression, an open sound stage and dynamic clarity. Analog, Digital, Bluetooth and Turntable sources are supported by a bespoke acoustic tuning process inviting you to bring your favorite music and allow the RC-1590MKII to immerse you.

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Moving Magnet Phono Stage Input
for turntable connection

Wireless aptX™ HD and AAC Bluetooth

Supports MQA and MQA Studio

Certified Roon Tested

Available in Black and Silver



RC-1572MKII

Affordable high-end begins with Rotel's RC-1572MKII Preamplifier processing your favorite RCA analog, XLR, digital, wireless high resolution Bluetooth and PC-USB sources in stunning clarity with a natural and enveloping sound stage.

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Moving Magnet Phono Stage Input
for turntable connection

Wireless aptX™ HD and AAC Bluetooth

Supports MQA and MQA Studio

Certified Roon Tested

Available in Black and Silver

Elevating performance.

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



RCD-1572MKII

The RCD-1572MKII follows Rotel's proud tradition of delivering award-winning CD players since 1989 with accurate reproduction of the audio, an exceptional sense of space, accurate frequency response and an ultra-low noise floor.

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Smooth tray loading CD mechanism

12 volt trigger power control

Balanced differential XLR output

Available in Black and Silver



CD14MKII

The CD14MKII delivers accurate reproduction of CDs with stunning clarity resolving even the finest details. Bring your CD collection and let the CD14MKII deliver performance at its best.

Texas Instruments premium 32-bit/384kHz
Digital to Analog Converter

Smooth tray loading CD mechanism

12 volt trigger power control

RCA and Coaxial digital outputs

Available in Black and Silver



CD11MKII

The CD11MKII's smooth, tray-loading mechanism, precise laser pickup and silent running motor controller ensures seamless, worry-free playback of your CD collection.

Texas Instruments 32-bit/384kHz
Digital to Analog converter

Smooth tray loading CD mechanism

Coax output for use as a transport

12 volt trigger input

Available in Black and Silver



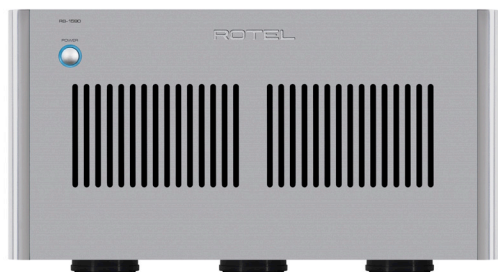
A8 Integrated Amplifier
CD11MKII CD Player



RC-1572MKII Integrated Amplifier
RB-1552MKII Stereo Amplifier

Power & refinement.

Engineered to be robust, yet nimble, extracting 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 into 8 ohms stereo amplifier with dual toroidal transformers and high efficiency slit foil capacitors.

2 x 350 Watts at 8 Ω (2 x 650 Watts at 4 Ω)
of robust power

Class AB amplifier design

Massive power supply using Dual Toroidal
Transformers

High quality slit foil capacitors

Balanced XLR and RCA inputs

Available in Black and Silver



RB-1582MKII

At 2 x 200 Watts into 8 ohms per channel and utilizing Rotel's Balanced Design Concept for superior performance, the RB-1582MKII is a compelling stereo amplifier.

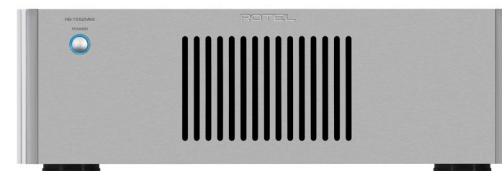
2 x 200 Watts at 8 Ω (2 x 325 Watts at 4 Ω)
of robust power

Class AB amplifier design

High performance, low ESR slit foil capaci-
tors

Balanced XLR and RCA inputs

Available in Black and Silver



RB-1552MKII

RB-1552MKII is built upon the same platform as the RB-1582MKII with a power output capability of 2 x 130 Watts into 8 ohms.

2 x 130 Watts at 8 Ω (2 x 185 Watts at 4 Ω)
of robust power

Class AB amplifier design

High quality slit foil capacitors

Balanced XLR and RCA inputs

Available in Black and Silver

Top notch listening.

Rotel tuners provide a wealth of off-air analog and DAB+ digital high quality listening choices.



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

External FM and DAB/DAB+ antenna connections

Includes remote control

Available in Black and Silver



T11 DAB/FM Tuner
A14MKII Integrated Amplifier
CD14MKII CD Player

WHOLE HOUSE AUDIO

RMB-1504 Distribution Amplifier

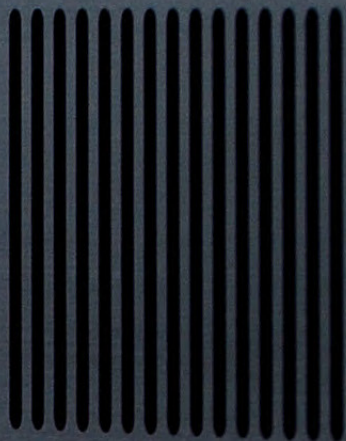




ROTEL

RMB-1504

POWER



Music in every room.

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



C8+

Performance meets efficiency in Rotel's C8+ Class AB Custom Installation Amplifier, driving 8-channels of premium audio at 150 Watts per channel, or bridged at 300 Watts into 4-ohm loads.

The C8+ includes 4 Analog and 4 Digital inputs matrixed to all Zones. Front panel display and controls provide source selection and independent volume, bass and treble settings. The custom 2U height requires no top or bottom clearance when rack mounting.

8 x 100 Watts at 8 Ω (8 x 150 Watts at 4 Ω) of robust power
Class AB amplifier design
Custom engineered toroidal transformer
12 volt trigger input
4 individual 24-bit/192k Hz Digital to Analogue Converters
IP and RS232 communication for control system integration
Rack ears included
Available in Black



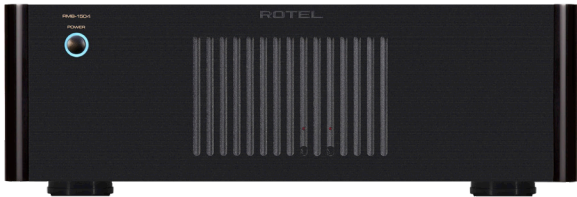
C8

Efficiency without compromise with Rotel's C8 Class AB Custom Installation Amplifier, driving 8- channels of premium audio at 70 Watts per channel, or bridged at 140 Watts into 4-ohm loads.

The C8 includes 4 Analog inputs matrixed to all Zones. Intuitive front panel controls provide source and independent volume, bass and treble settings. The custom 2U height requires no top or bottom clearance when rack mounting.

8 x 50 Watts at 8 Ω (8 x 80 Watts at 4 Ω) of robust power
Class AB amplifier design
Custom engineered toroidal transformer
12 volt trigger input
IP and RS232 communication for control system integration
Rack ears included
Available in Black

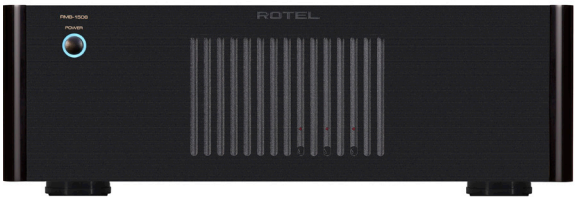
DISTRIBUTION AMPLIFIERS



RMB-1504

The RMB-1504 Class AB 4-channel amplifier delivers on the ongoing commitment of performance without compromise building on over 60 years of Rotel amplifier design and in-house manufacturing of Hi-Fi electronics. This amplifier provides the power and refinement suited for home theater installations as well as custom installation multi-room audio solutions.

4 x 70 Watts at 8 Ω (4 x 115 Watts at 4 Ω) of robust power
Class AB amplifier design
Automatic signal sensing power control
12 volt trigger input
Available in Black



RMB-1506

The RMB-1506 is perfect for multizone audio systems adding music to three living areas of your home or mated to home theater products delivering immersive audio. A buffered 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 at 8 Ω (6 x 80 Watts at 4 Ω) of robust power
Class AB amplifier design
Automatic signal sensing power control
12 volt trigger input
Available in Black

SPECIFICATIONS

DX-3

HEADPHONE SETCTION

Power Output (THD+N < 1%)

Single-ended (6.35 mm)	765 mW (16 Ω) 383 mW (32 Ω) 41 mW (300 Ω)
Unbalanced (4.4 mm)	2.8 W (16 Ω) 1.4 W (32 Ω) 150 mW (300 Ω)

Total Harmonic Distortion (32 Ω, 1k Hz)

Single-ended	< 0.008% @ Output = 70 mW
Unbalanced	< 0.004% @ Output = 270 mW

Intermodulation Distortion

(60 Hz : 7k Hz, 4:1)

Single-ended	< 0.01%
Unbalanced	< 0.006%

Frequency Response

20 Hz - 20k Hz, (+0 dB, -0.2 dB)

Output Impedance

> 55 dB

Single-ended	< 0.3 Ω
Unbalanced	< 0.6 Ω

Signal to Noise Ratio (IHF A-weighted)

Single-ended	> 100 dB
Unbalanced	> 110 dB

Gain

0 dB @ Gain = H
-6 dB @ Gain = M
-12 dB @ Gain = L

Recommended Headphone Impedance

16 Ω - 300 Ω

ANALOG SECTION

Total Harmonic Distortion (20 Hz- 20k Hz)

Unbalanced (RCA)	< 0.006%
Balanced (XLR)	< 0.003%

Intermodulation Distortion

(60 Hz : 7k Hz, 4:1)

< 0.001%

Frequency Response

20 Hz - 20k Hz (+0 dB, -0.4 dB)

Signal to Noise Ratio (IHF A-weighted)

> 107 dB

Line Output Level / Impedance

Unbalanced (RCA)	1 Vrms / 100 Ω
Balanced (XLR)	2 Vrms / 200 Ω

Input Sensitivity / Impedance

1.2 V / 10k Ω

Input Overload

5 V

Channel Separation

> 86 dB @ 10k Hz

DIGITAL SECTION

Total Harmonic Distortion (20 Hz- 20k Hz)

Unbalanced (RCA)	< 0.005%
Balanced (XLR)	< 0.003%

Output Level

Unbalanced (RCA)	1.6 V
Balanced (XLR)	3.5 V

Frequency Response

10 Hz - 20k Hz (+0 dB, -0.5 dB)

Signal to Noise Ratio (IHF A-weighted)

> 112 dB

Input Sensitivity / Impedance

0 dBFS / 75 Ω

Digital to Analog Converter

ESS ES9028PRO DAC
(32-bit/768k Hz)

Digital Inputs

SPDIF LPCM
(up to 24-bit / 192k Hz)

PC-USB

USB Audio Class 2.0
(up to 32-bit / 384k Hz)*
*Driver installation required
Support DSD (up to 11.2 MHz)
and DoP (up to 5.6M Hz)
Roon Tested

DX-5

ANALOG SECTION

Power Output (FTC)

25 watts/ch

Power Output (Non FTC)

33 watts/ch (1k Hz, 4 Ω)
25 watts/ch (1k Hz, 8 Ω)

Total Harmonic Distortion

< 0.03%

Intermodulation Distortion

(60 Hz : 7k Hz, 4:1)

< 0.03%

Frequency Response

10 Hz - 100k Hz (0±0.19 dB)

Damping Factor (20 Hz- 20k Hz, 8 Ω)

140

Input Sensitivity / Impedance

680 mV / 100k Ω

Input Overload

4.2 V

Signal to Noise Ratio (IHF A-weighted)

> 100 dB

DIGITAL SECTION

Frequency Response

10 Hz - 80k Hz (0±2 dB, Max)

Signal to Noise Ratio (IHF A-weighted)

> 100 dB

Input Sensitivity / Impedance

-10.3 dBFS / 75 Ω

Digital Inputs

SPDIF LPCM
(up to 192k Hz 24 bit)

PC-USB

USB Audio Class 2.0
(up to 384k Hz 32 bit)
Driver installation required
Support DSD(up to 4X, 11.2M Hz)
and DoP(up to 2X, 5.6M Hz)

HDMI

Support ARC function

SPECIFICATIONS

	RMB-1587MKII	RMB-1585MKII
Power Output (FTC)	210 watts x 2 channels (8 Ω) 165 watts x 7 channels (8 Ω)	274 watts x 2 channels (8 Ω) 230 watts x 5 channels (8 Ω)
Continuous Power Output (Non FTC)	335 watts x 2 channels (4 Ω) 250 watts x 7 channels (4 Ω) 155 watts x 7 channels (8 Ω)	440 watts x 2 channels (4 Ω) 340 watts x 5 channels (4 Ω) 210 watts x 5 channels (8 Ω)
Total Harmonic Distortion	< 0.03%	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%
Damping Factor (1k Hz, 8 Ω)	330	223
Gain	26.6 dB	26.9 dB
Input Sensitivity / Impedance		
Unbalanced	1.61 V / 12k Ω	1.89 V / 12k Ω
Balanced	3.4 V / 50k Ω	4.7 V / 50k Ω
Frequency Response	10 Hz - 100k Hz (+ 0 dB, – 0.3dB)	10 Hz - 100k Hz (+ 0.1 dB, – 0.3 dB)
Signal to Noise Ratio (IHF A-weighted)	111 dB	120 dB
Crosstalk/ Separation	> 55 dB	> 55 dB

	RMB-1555
Continuous Power Output (20 Hz - 20k Hz, < 0.03%)	170 watts x 5 channels (4 Ω) 120 watts x 5 channels (8 Ω)
Total Harmonic Distortion (20 Hz - 20k Hz, 8 Ω)	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%
Damping Factor (8 Ω)	180
Gain	26.5 dB
Input Sensitivity / Impedance	1.5 V / 12k Ω
Frequency Response	10 Hz - 100k Hz (+ 0.5 dB, – 3 dB)
Signal to Noise Ratio (IHF A-weighted)	116 dB

	RAS-5000	S14
Power Output	220 watts / channel (4 Ω) 140 watts / channel (8 Ω)	150 watts / channel (4 Ω) 80 watts / channel (8 Ω)
Total Harmonic Distortion	< 0.03%	< 0.04%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%
Frequency Response		
Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)	10 Hz - 100k Hz (0 ± 0.5 dB)
Damping Factor (20 Hz - 20k Hz, 8 Ω)	290	400
Input Sensitivity / Impedance		
Line Level Inputs	0.78 V / 46k Ω	200 mV / 47k Ω
Input Overload		
Line Level Inputs	4.1 V	4.5 V
Signal to Noise Ratio (IHF A-weighted)		
Line Level Inputs	103 dB	100 dB
Tone Controls - Bass / Treble	± 10 dB at 100 Hz / 10k Hz	± 10 dB at 100 Hz / 10k Hz
Digital to Analog Converters	ESS SABRE	ESS SABRE
Digital Section		
Frequency Response	10 Hz – 70k Hz, (± 3 dB, Max)	10 Hz - 90k Hz (0 ± 2.0 dB, Max)
Signal to Noise Ratio (IHF A-weighted)	105 dB	98 dB
Input Sensitivity / Impedance	- 8 dBfs / 75 Ω	- 20 dBFS / 75 Ω
Coaxial/Optical Digital Signals	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)
PC-USB	USB Audio Class 2.0 (up to 24-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Ready	USB Audio Class 2.0 (up to 24-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Ready
HDMI	Support eARC function	

SPECIFICATIONS

	A14MKII	A12MKII	A11MKII	A10 MKII	A8
Power Output (FTC)	92 watts / channel (8 Ω)	75 watts / channel (8 Ω)	62 watts / channel (8 Ω)	53 watts / channel (8 Ω)	34 watts / channel (8 Ω)
Power Output (Non FTC)	150 watts / channel (4 Ω) 80 watts / channel (8 Ω)	120 watts / channel (4 Ω) 60 watts / channel (8 Ω)	62 watts / channel (4 Ω) 50 watts / channel (8 Ω)	60 watts / channel (4 Ω) 50 watts / channel (8 Ω)	40 watts / channel (4 Ω) 30 watts / channel (8 Ω)
Total Harmonic Distortion	< 0.018%	< 0.018%	< 0.03%	< 0.03%	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%	< 0.03%	< 0.03%	< 0.03%
Frequency Response					
Phono Input	20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (- 0.5 dB, + 0.3 dB)	20 Hz - 20k Hz (- 0.5 dB, + 0.3 dB)	20 Hz - 20k Hz (- 0.5 dB, + 0 dB)
Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)	10 Hz - 100k Hz (0 ± 0.5 dB)	10Hz - 100k Hz (- 0.5 dB, + 0.05 dB)	10 Hz - 100k Hz (- 0.5 dB, + 0.05 dB)	10 Hz - 100k Hz (- 0.5 dB, + 0 dB)
Damping Factor (20 Hz - 20k Hz, 8 Ω)	220	220	120	120	80
Input Sensitivity / Impedance					
Phono Input	3.4 mV / 47k Ω	3.4 mV / 47k Ω	1.6 mV / 43k Ω	1.5 mV / 43k Ω	2.5 mV / 40k Ω
Line Level Inputs	230 mV / 24k Ω	230 mV / 24k Ω	130 mV / 45k Ω	120 mV / 45k Ω	180 mV / 60k Ω
Input Overload					
Phono Input	50 mV	50 mV	50 mV	50 mV	50 mV
Line Level Inputs	4 V	4 V	4 V	4 V	4 V
Preamplifier Output / Impedance	1.2 V / 470 Ω	1.2 V / 470 Ω			
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	± 6 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	85 dB	85 dB	80 dB
Line Level Inputs	100 dB	100 dB	90 dB	90 dB	90 dB
Digital Section					
Frequency Response	10 Hz - 90k Hz (0 ± 2.0 dB, Max)	10 Hz - 90k Hz (0 ± 2.0 dB, Max)	20 Hz - 20k Hz (- 0.15 dB, + 0 dB)		
Signal to Noise Ratio (IHF A-weighted)	103 dB	103 dB			
Input Sensitivity / Impedance	0 dBfs / 75 Ω	0 dBfs / 75 Ω	- 20 dBfs / 75 Ω		
Preamplifier Output Level	1.4 V (at - 20 dB)	1.4 V (at - 20 dB)			
Digital Inputs	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)		
PC-USB	USB Audio Class 1.0 (up to 24-bit / 96k Hz) USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Tested	USB Audio Class 1.0 (up to 24-bit / 96k Hz) USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required Roon Tested			

SPECIFICATIONS

	RA-1592MKII	RA-1572MKII
Power Output (FTC)	222 watts / channel (8 Ω)	135 watts / channel (8 Ω)
Power Output (Non FTC)	350 watts / channel (4 Ω) 200 watts / channel (8 Ω)	200 watts / channel (4 Ω) 120 watts / channel (8 Ω)
Total Harmonic Distortion	< 0.008%	< 0.018%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%
Frequency Response		
Phono Input	20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (0 ± 0.5 dB)
Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)	10 Hz - 100k Hz (0 ± 0.5 dB)
Damping Factor (20 Hz - 20k Hz, 8 Ω)	600	300
Input Sensitivity / Impedance		
Phono Input (MM)	5.2 mV / 47k Ω	2.1 mV / 47k Ω
Line Level Inputs (RCA)	340 mV / 100k Ω	270 mV / 100k Ω
Line Level Inputs (XLR)	540 mV / 100k Ω	440 mV / 100k Ω
Input Overload		
Phono Input (MM)	52 mV	32 mV
Line Level Inputs (RCA)	3.5 V	4 V
Line Level Inputs (XLR)	5.5 V	5.5 V
Preamplifier Output / Impedance	1.9 V / 100 Ω	1.5 V / 470 Ω
Signal to Noise Ratio (IHF A-weighted)		
Phono Input (MM)	80 dB	80 dB
Line Level Inputs	103 dB	100 dB
Digital Section		
Frequency Response	10 Hz - 90k Hz (0 ± 2.0 dB, Max)	10 Hz - 90k Hz (0 ± 2.0 dB, Max)
Signal to Noise Ratio (IHF A-weighted)	102 dB	100 dB
Input Sensitivity / Impedance	0 dBfs / 75 Ω	0 dBfs / 75 Ω
Preamplifier Output Level	1.43 V (at - 20 dB)	1.42 V (at - 20 dB)
Coaxial / Optical Digital Signals	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)
PC-USB	USB Audio Class 1.0 (up to 24-bit / 96k Hz) USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Tested	USB Audio Class 1.0 (up to 24-bit / 96k Hz) USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Tested

	RC-1572MKII	RC-1590MKII
Total Harmonic Distortion (20 Hz - 20k Hz)	< 0.004%	< 0.002%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.004%	< 0.002%
Input Sensitivity / Impedance		
Phono Input (MM)	3 mV / 47k Ω	2.5 mV / 47k Ω
Line Level Inputs (RCA)	200 mV / 100k Ω	150 mV / 100k Ω
Line Level Inputs (XLR)	300 mV / 100k Ω	250 mV / 100k Ω
Input Sensitivity / Impedance		
Phono Input	63 mV	64 mV
Line Level Inputs (RCA)	4 V	4 V
Line Level Inputs (XLR)	5 V	5.5 V
Output Level		
Line Level (RCA)	1 V	1 V
Balanced (XLR)	2 V	2 V
Frequency Response		
Phono Input	20 Hz - 20k Hz (+ 0.3 dB, - 0.2 dB)	20 Hz - 20k Hz (+ 0.3 dB, - 0.2 dB)
Line Level Inputs (RCA)	10 Hz - 100k Hz (+ 0 dB, - 0.2 dB)	10 Hz - 100k Hz (+ 0 dB, - 0.1 dB)
Line Level Inputs (XLR)	10 Hz - 100k Hz (+ 0 dB, - 0.2 dB)	10 Hz - 100k Hz (+ 0 dB, - 0.1 dB)
Tone Controls		
Bass	± 10 dB at 100 Hz	± 10 dB at 100 Hz
Treble	± 10 dB at 10k Hz	± 10 dB at 10k Hz
Signal to Noise Ratio (IHF A-weighted)		
Phono Input	80 dB	80 dB
Line Level Inputs	118 dB	117 dB
Line Level Inputs (XLR)	118 dB	115 dB
Channel Separation		
Phono Input	> 85 dB	> 85 dB
Line Level Inputs (RCA)	> 85 dB	> 85 dB
Line Level Inputs (XLR)	> 75 dB	> 75 dB
Digital Section		
Frequency Response	20 Hz - 20k Hz (0 ± 0.5 dB Max)	20 Hz - 20k Hz (0 ± 0.5 dB, Max)
Signal to Noise Ratio (IHF A-weighted)	100 dB	108 dB
Input Sensitivity / Impedance	0 dBfs / 75 Ω	0 dBfs / 75 Ω
Preamplifier Output Level	1.44 V (at - 20 dB)	1.65 V (at - 20 dB)
Digital Inputs	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)
PC-USB	USB Audio Class 1.0 (up to 24-bit / 96k Hz) USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Tested	USB Audio Class 1.0 (up to 24-bit / 96k Hz) USB Audio Class 2.0 (up to 32-bit / 384k Hz)* *Driver installation required MQA and MQA Studio (up to 24-bit / 384k Hz) Roon Tested

SPECIFICATIONS

	CD14MKII	CD11MKII
Total Harmonic Distortion + Noise	0.0035% @ 1k Hz	0.009% @ 1k Hz
Intermodulation Distortion	0.0035% @ 1k Hz	0.009% @ 1k Hz
Frequency Response (0 ± 0.5 dB)	20 Hz - 20k Hz	20 Hz - 20k Hz
Channel Balance	± 0.5 dB	± 0.5 dB
Phase Linearity	± 0.5 degree	± 0.5 degree
Channel Separation	> 118 dB @ 10k Hz	> 115 dB @ 10k Hz
Signal to Noise Ratio (IHF A-weighted)	> 118 dB	> 125 dB
Dynamic Range	> 99 dB	> 99 dB
Digital to Analog Converters	Texas Instruments	Texas Instruments
Analog Output Impedance	100 Ω	470 Ω
Digital Output Level	0.5 V, Peak to Peak	0.5 V, Peak to Peak
Load Impedance	75 Ω	75 Ω

	RCD-1572MKII
Total Harmonic Distortion + Noise	0.0035% @ 1k Hz
Intermodulation Distortion	0.0035% @ 1k Hz
Frequency Response (0 ± 0.5 dB)	20 Hz - 20k Hz
Channel Balance	± 0.5 dB
Phase Linearity	± 0.5 degree
Channel Separation	> 118 dB @ 10k Hz
Signal to Noise Ratio (IHF A-weighted)	> 118 dB
Dynamic Range	> 99 dB
Digital to Analog Converters	Texas Instruments
Analog Output Level / Impedance (0 dBfs)	
Unbalanced (RCA)	2.2 V / 100 Ω
Balanced (XLR)	4.5 V / 200 Ω
Digital Output Level	0.5 V, Peak to Peak
Load Impedance	75 Ω

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

SPECIFICATIONS

	RB-1590	RB-1582MKII	RB-1552MKII
Power Output (20 Hz - 20k Hz, < 0.03%)	650 watts x 2 channels (4 Ω) 350 watts x 2 channels (8 Ω)	325 watts x 2 channels (4 Ω) 200 watts x 2 channels (8 Ω)	185 watts x 2 channels (4 Ω) 130 watts x 2 channels (8 Ω)
Total Harmonic Distortion (20 Hz - 20k Hz, 8 Ω)	< 0.03%	< 0.03%	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%	< 0.03%
Damping Factor (1k Hz, 8 Ω)	300	800	450
Input Sensitivity / Impedance Unbalanced (RCA) Balanced (XLR)	2.2 V / 12k Ω 3.5 V / 100k Ω	1.9 V / 12k Ω 3.0 V / 100k Ω	1.5 V / 12k Ω 2.5 V / 100k Ω
Frequency Response (± 0.5 dB)	10 Hz - 100k Hz	10 Hz - 100k Hz	10 Hz - 100k Hz
Signal to Noise Ratio (IHF A-weighted)	120 dB	116 dB	120 dB
Gain Unbalanced (RCA) Balanced (XLR)	27.5 dB (± 0.5 dB) 23.5 dB (± 0.5 dB)	26.5 dB 22.5 dB	26.5 dB 22.5 dB

	RMB-1504	RMB-1506
Power Output (all channels driven)	115 watts x 4 channels (4 Ω) 70 watts x 4 channels (8 Ω) (20 Hz - 20k Hz, < 0.03%)	80 watts x 6 channels (4 Ω) 50 watts x 6 channels (8 Ω) (20 Hz - 20k Hz, < 0.03% THD)
Total Harmonic Distortion	< 0.03% (20 Hz - 20k Hz, 8 Ω)	< 0.03% (20 Hz - 20k Hz, 8 Ω)
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%
Damping Factor (20 Hz - 20k Hz, 8 Ω)	> 200	> 200
Input Sensitivity / Impedance	1.0 V / 20k Ω	1.0 V / 20k Ω
Input Overload Level	5.0 V	5.0 V
Frequency Response (± 1 dB)	10 Hz - 100k Hz	10 Hz - 100k Hz
Signal to Noise Ratio (IHF A-weighted)	115 dB	115 dB
Crosstalk / Separation	> 50 dB	> 70 dB
Gain	26 dB	26 dB
Auto Turn On Level (with all inputs)	4 mV input signal	1 mV input signal

	C8+
Power Output (all channels driven)	150 watts x 8 channels (4 Ω) 100 watts x 8 channels (8 Ω)
Total Harmonic Distortion	< 0.1%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.1%
Damping Factor (20 Hz - 20k Hz, 8 Ω)	80
Input Sensitivity / Impedance Line Level Inputs (RCA)	0.43 V / 31k Ω
Input Overload Level	2.8 V
Frequency Response Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)
Signal to Noise Ratio (IHF A-weighted) Line Level Inputs (RCA)	100 dB
Crosstalk / Separation	> 50 dB
Tone Controls (Bass / Treble)	± 10 dB at 100 Hz - 10k Hz
Digital to Analog Converters	Texas Instruments
Digital Section Frequency Response	10 Hz - 20k Hz (0 ± 0.5 dB)
Signal to Noise Ratio (IHF A-weighted)	102 dB
Input Sensitivity/Impedance	-13.5 dBfs / 75 Ω
Coaxial/Optical Digital Signals	SPDIF LPCM (up to 24-bit / 192k Hz)

	C8
Power Output (all channels driven)	70 watts x 8 channels (4 Ω) 50 watts x 8 channels (8 Ω)
Total Harmonic Distortion	< 0.1%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.1%
Damping Factor (20 Hz - 20k Hz, 8 Ω)	80
Input Sensitivity / Impedance Line Level Inputs (RCA)	0.3 V / 31k Ω
Input Overload Level	2.8 V
Frequency Response Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)
Signal to Noise Ratio (IHF A-weighted) Line Level Inputs (RCA)	100 dB
Crosstalk / Separation	> 50 dB
Tone Controls (Bass / Treble)	± 10 dB at 100 Hz - 10k Hz



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