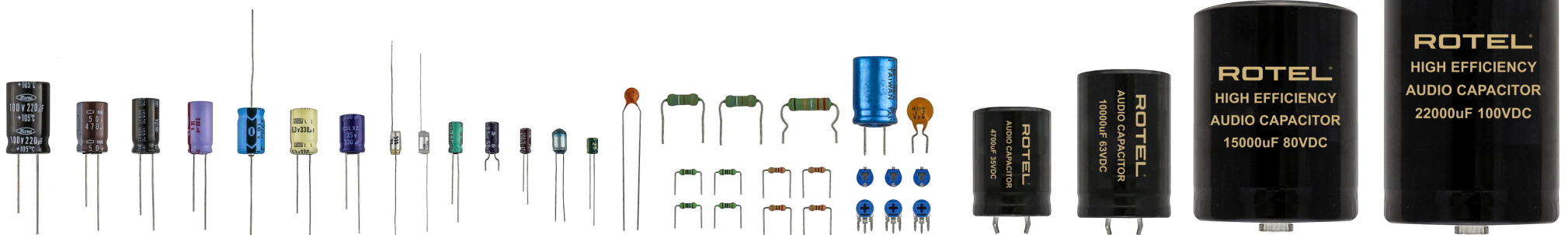
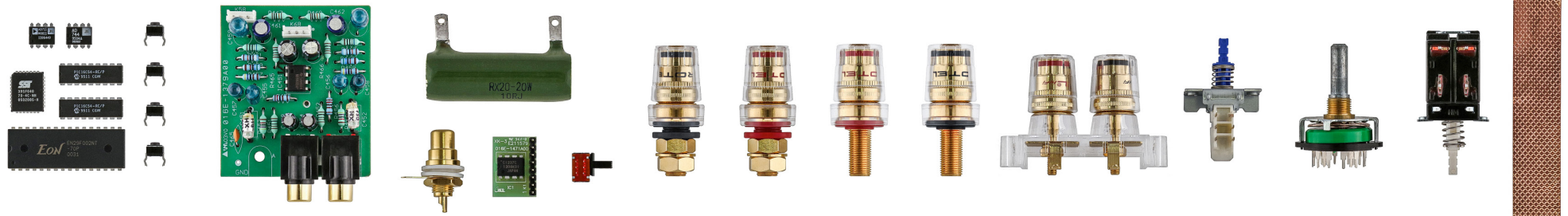


ROTEL®

PRODUCT CATALOG





AMPLIFYING SOUND, ELEVATING LIFE.™

WELCOME TO

**ROTEL®**

There is no substitute for experience. More than sixty 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.*

ROTEL



CD11MKII CD Player  
A10MKII Integrated Amplifier



# A Passion for Performance

- 6 HOME THEATRE
- 8 MUSIC SYSTEMS
- 26 WHOLE HOUSE AUDIO
- 30 PRODUCT SPECIFICATIONS



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  $\Omega$  (7 x 250 Watts at 4  $\Omega$ )  
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  $\Omega$  (5 x 340 Watts at 4  $\Omega$ )  
of robust power

---

Class AB amplifier design

---

Massive power supply using  
Dual Toroidal Transformers

---

High quality slit foil capacitors

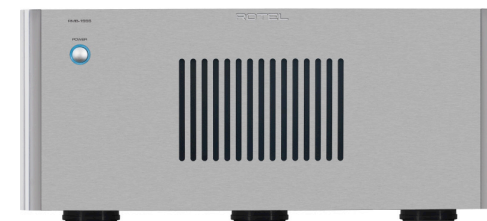
---

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  $\Omega$  (5 x 170 Watts at 4  $\Omega$ )  
of robust power

---

Class AB amplifier design

---

High quality slit foil capacitors

---

12 volt trigger input

---

Available in Black and Silver

---

MUSIC SYSTEM







# 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  $\Omega$  (2 x 220 Watts at 4  $\Omega$ )  
of robust power

---

Class AB amplifier design

---

Wireless aptX™ HD and AAC Bluetooth

---

ESS premium 32-bit Digital to Analog Converter

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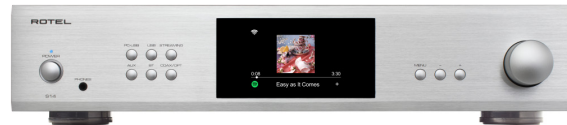
Supports MQA and MQA Studio

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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  $\Omega$  (2 x 150 Watts at 4  $\Omega$ )  
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



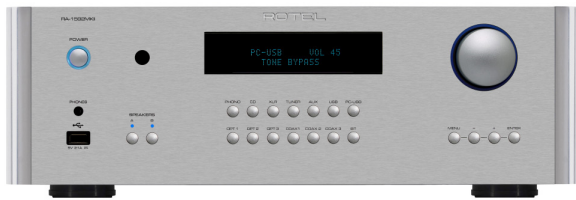
**S14** Integrated Streaming Amplifier



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

# 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 Roan 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 Roan Tested

---

Available in Black and Silver

---

# 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  $\Omega$  (2 x 150 Watts at 4  $\Omega$ )  
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 Room 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  $\Omega$  (2 x 120 Watts at 4  $\Omega$ )  
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 Room 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  $\Omega$  (2 x 62 Watts at 4  $\Omega$ )  
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  $\Omega$  (2 x 60 Watts at 4  $\Omega$ )  
of robust Class AB power

---

High current power supply

---

3 RCA analog inputs

---

Moving Magnet Phono Stage Input  
for turntable connection

---

Included Remote Control

---

Available in Black and Silver

---



CD11MKII CD Player  
A11MKII Integrated Amplifier









**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

---



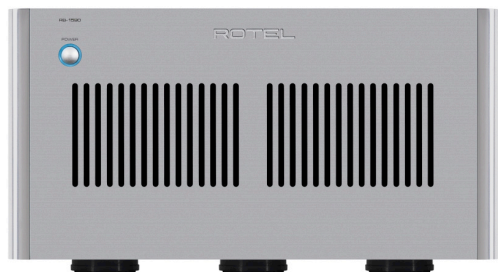
**CD11MKII** CD Player  
**AI11MKII** Integrated Amplifier



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

# Power & refinement.

Engineered to be robust, yet nimbly, 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  $\Omega$  (2 x 650 Watts at 4  $\Omega$ )  
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  $\Omega$  (2 x 325 Watts at 4  $\Omega$ )  
of robust power

---

Class AB amplifier design

---

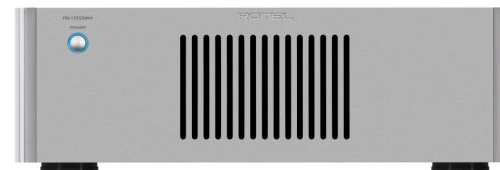
High performance, low ESR slit foil capaci-  
tors

---

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  $\Omega$  (2 x 185 Watts at 4  $\Omega$ )  
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

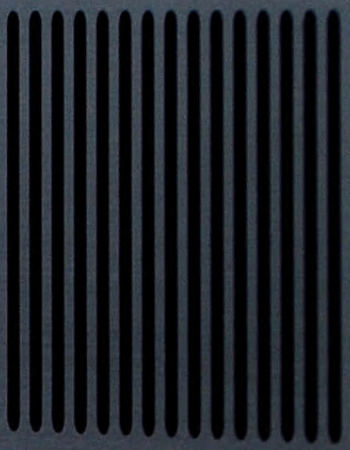




ROTEL

RMB-1504

POWER



SHURE



# 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  $\Omega$  (8 x 150 Watts at 4  $\Omega$ )  
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  $\Omega$  (8 x 80 Watts at 4  $\Omega$ )  
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  $\Omega$  (4 x 115 Watts at 4  $\Omega$ )  
of robust power

---

Class AB amplifier design

---

Automatic signal sensing power control

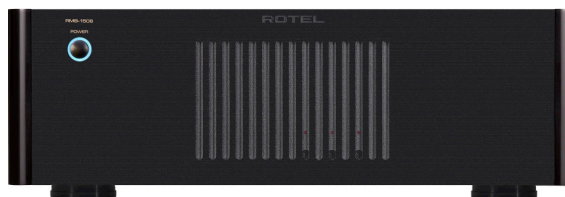
---

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  $\Omega$  (6 x 80 Watts at 4  $\Omega$ )  
of robust power

---

Class AB amplifier design

---

Automatic signal sensing power control

---

12 volt trigger input

---

Available in Black

---

## SPECIFICATIONS

	<b>RMB-1587MKII</b>	<b>RMB-1585MKII</b>		<b>RMB-1555</b>
<b>Power Output</b>	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)	<b>Continuous Power Output</b> (20 Hz - 20k Hz, < 0.03%)	170 watts x 5 channels (4 Ω) 120 watts x 5 channels (8 Ω)
<b>Total Harmonic Distortion</b>	< 0.03%	< 0.03%	<b>Total Harmonic Distortion</b> (20 Hz - 20k Hz, 8 Ω)	< 0.03%
<b>Intermodulation Distortion</b> (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%	<b>Intermodulation Distortion</b> (60 Hz : 7k Hz, 4:1)	< 0.03%
<b>Damping Factor</b> (1k Hz, 8 Ω)	330	223	<b>Damping Factor</b> (8 Ω)	180
<b>Gain</b>	26.6 dB	26.9 dB	<b>Gain</b>	26.5 dB
<b>Input Sensitivity / Impedance</b>			<b>Input Sensitivity / Impedance</b>	1.5 V / 12k Ω
Unbalanced	1.61 V / 12k Ω	1.89 V / 12k Ω	<b>Frequency Response</b>	10 Hz - 100k Hz (+ 0.5, - 3 dB)
Balanced	3.4 V / 50k Ω	4.7 V / 50k Ω	<b>Signal to Noise Ratio</b> (IHF A-weighted)	116 dB
<b>Frequency Response</b>	10 Hz - 100k Hz (+ 0 dB, - 0.3dB)	10 Hz - 100k Hz (+ 0.1 dB, - 0.3 dB)	<b>Crosstalk/ Separation</b>	> 55 dB
<b>Signal to Noise Ratio</b> (IHF A-weighted)	111 dB	120 dB		
<b>Crosstalk/ Separation</b>	> 55 dB	> 55 dB		

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

## SPECIFICATIONS

	<b>RA-1592MKII</b>	<b>RA-1572MKII</b>	<b>A14MKII</b>	<b>A12MKII</b>	<b>A11MKII</b>	<b>A10 MKII</b>
<b>Power Output</b>	350 watts / channel (4 Ω) 200 watts / channel (8 Ω)	200 watts / channel (4 Ω) 120 watts / channel (8 Ω)	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)
<b>Total Harmonic Distortion</b>	< 0.008%	< 0.018%	< 0.018%	< 0.018%	< 0.03%	< 0.03%
<b>Intermodulation Distortion</b> (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%	< 0.03%	< 0.03%	< 0.03%	< 0.03%
<b>Frequency Response</b>						
Phono Input	20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (0 ± 0.5 dB)	20Hz - 20k Hz (- 0.5 dB, + 0.3 dB)	20 Hz - 20k Hz (- 0.5 dB, + 0.3 dB)
Line Level Inputs	10 Hz - 100k Hz (0 ± 0.5 dB)	10 Hz - 100k Hz (0 ± 0.5 dB)	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)
<b>Damping Factor</b> (20 Hz - 20k Hz, 8 Ω)	600	300	220	220	120	120
<b>Input Sensitivity / Impedance</b>						
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				
<b>Input Overload</b>						
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				
<b>Preamplifier Output / Impedance</b>	1.9 V / 100 Ω	1.5 V / 470 Ω				
<b>Signal to Noise Ratio</b> (IHF A-weighted)						
Phono Input (MM)	80 dB	80 dB				
Line Level Inputs	103 dB	100 dB				
<b>Digital Section</b>						
<b>Frequency Response</b>	10 Hz - 90k Hz (0 ± 2.0 dB, Max)	10 Hz - 90k Hz (0 ± 2.0 dB, Max)				
<b>Signal to Noise Ratio</b> (IHF A-weighted)	102 dB	100 dB				
<b>Input Sensitivity / Impedance</b>	0 dBfs / 75 Ω	0 dBfs / 75 Ω				
<b>Preamplifier Output Level</b>	1.43 V (at - 20 dB)	1.42 V (at - 20 dB)				
<b>Coaxial / Optical Digital Signals</b>	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)				
<b>PC-USB</b>	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) Room 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) Room Tested				
<b>Power Output</b>			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)
<b>Total Harmonic Distortion</b>			< 0.018%	< 0.018%	< 0.03%	< 0.03%
<b>Intermodulation Distortion</b> (60 Hz : 7k Hz, 4:1)			< 0.03%	< 0.03%	< 0.03%	< 0.03%
<b>Frequency Response</b>						
Phono Input			20 Hz - 20k Hz (0 ± 0.5 dB)	20 Hz - 20k Hz (0 ± 0.5 dB)	20Hz - 20k Hz (- 0.5 dB, + 0.3 dB)	20 Hz - 20k Hz (- 0.5 dB, + 0.3 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)
<b>Damping Factor</b> (20 Hz - 20k Hz, 8 Ω)			220	220	120	120
<b>Input Sensitivity / Impedance</b>						
Phono Input			3.4 mV / 47k Ω	3.4 mV / 47k Ω	1.6 mV / 43k Ω	1.5 mV / 43k Ω
Line Level Inputs			230 mV / 24k Ω	230 mV / 24k Ω	130 mV / 45k Ω	120 mV / 45k Ω
<b>Input Overload</b>						
Phono Input			50 mV	50 mV	50 mV	50 mV
Line Level Inputs			4 V	4 V	4 V	4 V
<b>Preamplifier Output / Impedance</b>			1.2 V / 470 Ω	1.2 V / 470 Ω		
<b>Tone Controls - Bass / Treble</b>			± 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
<b>Signal to Noise Ratio</b> (IHF A-weighted)						
Phono Input			90 dB	90 dB	85 dB	85 dB
Line Level Inputs			100 dB	100 dB	90 dB	90 dB
<b>Digital Section</b>						
<b>Frequency Response</b>			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)	
<b>Signal to Noise Ratio</b> (IHF A-weighted)			103 dB	103 dB		
<b>Input Sensitivity / Impedance</b>			0 dBfs / 75 Ω	0 dBfs / 75 Ω	- 20 dBfs / 75 Ω	
<b>Preamplifier Output Level</b>			1.4 V (at - 20 dB)	1.4 V (at - 20 dB)		
<b>Digital Inputs</b>			SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)	SPDIF LPCM (up to 24-bit / 192k Hz)
<b>PC-USB</b>			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) Room 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) Room Tested		

## SPECIFICATIONS

### RC-1572MKII

<b>Total Harmonic Distortion</b> (20 Hz - 20k Hz)	< 0.004%
<b>Intermodulation Distortion</b> (60 Hz : 7k Hz, 4:1)	< 0.004%
<b>Input Sensitivity / Impedance</b>	
Phono Input (MM)	3 mV / 47k $\Omega$
Line Level Inputs (RCA)	200 mV / 100k $\Omega$
Line Level Inputs (XLR)	300 mV / 100k $\Omega$
<b>Input Sensitivity / Impedance</b>	
Phono Input	63 mV
Line Level Inputs (RCA)	4 V
Line Level Inputs (XLR)	5 V
<b>Output Level</b>	
Line Level (RCA)	1 V
Balanced (XLR)	2 V
<b>Frequency Response</b>	
Phono Input	20 Hz - 20k Hz (+ 0.3 dB, - 0.2 dB)
Line Level Inputs (RCA)	10 Hz - 100k Hz (+ 0 dB, - 0.2 dB)
Line Level Inputs (XLR)	10 Hz - 100k Hz (+ 0 dB, - 0.2 dB)
<b>Tone Controls</b>	
Bass	$\pm$ 10 dB at 100 Hz
Treble	$\pm$ 10 dB at 10k Hz
<b>Signal to Noise Ratio</b> (IHF A-weighted)	
Phono Input	80 dB
Line Level Inputs	118 dB
Line Level Inputs (XLR)	118 dB
<b>Channel Separation</b>	
Phono Input	> 85 dB
Line Level Inputs (RCA)	> 85 dB
Line Level Inputs (XLR)	> 75 dB
<b>Digital Section</b>	
<b>Frequency Response</b>	20 Hz - 20k Hz (0 $\pm$ 0.5 dB Max)
<b>Signal to Noise Ratio</b> (IHF A-weighted)	100 dB
<b>Input Sensitivity / Impedance</b>	0 dBfs / 75 $\Omega$
<b>Preamplifier Output Level</b>	1.44 V (at - 20 dB)
<b>Digital Inputs</b>	SPDIF LPCM (up to 24-bit / 192k Hz)
<b>PC-USB</b>	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 ) Room Tested

### RC-1590MKII

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



## SPECIFICATIONS

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

### RCD-1572MKII

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

### T11

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

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

	<b>RMB-1504</b>	<b>RMB-1506</b>
<b>Power Output</b> (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)
<b>Total Harmonic Distortion</b>	< 0.03% (20 Hz - 22 Hz, 8 Ω)	< 0.03% (20 Hz - 22 Hz, 8 Ω)
<b>Intermodulation Distortion</b> (60 Hz : 7k Hz, 4:1)	< 0.03%	< 0.03%
<b>Damping Factor</b> (20 Hz - 20k Hz, 8 Ω)	> 200	> 200
<b>Input Sensitivity / Impedance</b>	1.0 V / 20k Ω	1.0 V / 20k Ω
<b>Input Overload Level</b>	5.0 V	5.0 V
<b>Frequency Response</b> (± 1 dB)	10 Hz - 100k Hz	10 Hz - 100k Hz
<b>Signal to Noise Ratio</b> (IHF A-weighted)	115 dB	115 dB
<b>Crosstalk / Separation</b>	> 50 dB	> 70 dB
<b>Gain</b>	26 dB	26 dB
<b>Auto Turn On Level</b> (with all inputs)	4 mV input signal	1 mV input signal

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

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





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