

15 SERIES

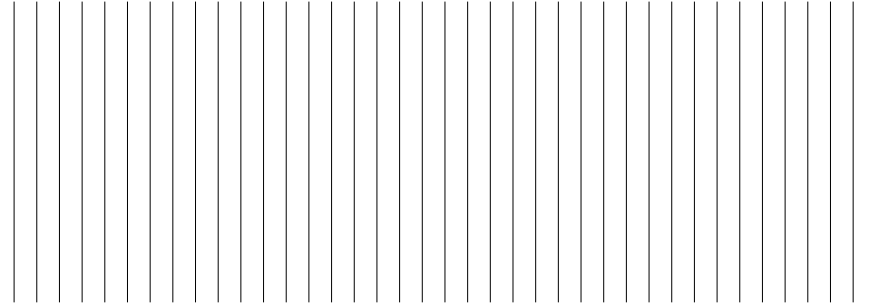


ROTEL



HDMI R-D-S Master Audio DOLBY TRUEDIA BAND

Balanced
Design
Concept.



15 Series — built on a performance heritage



Our story began nearly 50 years ago yet our ownership and mission have never changed. We are an independent high performance audio/video company with an unwavering ambition to deliver exceptional value. As with the first product we ever made, our components are skillfully manufactured in our own factory thus assuring consistent quality.

We call our design approach Balanced Design Concept, a disciplined synthesis of physics, electronics and mechanical engineering guided by the belief that the whole should be greater than the sum of its parts. Over the decades, we have received hundreds of rave reviews and awards from publications around the world. Most importantly, we've satisfied hundreds of thousands of people who take their entertainment seriously—like you! We sell our brand only through the most qualified group of audio/video retailers and custom installers who have proven track records for superior knowledge and customer service.



Our new 15 Series range represents the culmination of these five decades of commitment to the art and science of electronics design. We've wrapped cutting edge technologies in stunning brushed metal cabinets; available in either silver or black finishes complementing any setting. We've provided elegantly simple user interfaces and custom installation control features because we understand that technology should be in your service and not the other way around. We believe these components inspire pride of ownership only associated with the absolute finest products.

We invite you to visit Rotel on-line and view or download a wealth of product information and general audio/video educational materials in our members' area at www.rotel.com. Better yet, visit your nearest Rotel dealer for a hands-on demonstration.

Rack installations made easy

Rotel 15 series cabinets are sized for the EIA "U" height standard used for professional equipment. Many custom installations benefit from rack mounting. Rack height designs negate any space wastage when placing products one on top another in the rack. Rotel can supply a matching cost effective rack rail kit that is available for 20" or 26" depths as well as trim parts. A rail will support up to 5U high models. Products lock into the rack with a rear screw securing them for transportation.



Home Theatre Receivers and Preamp/Processor

Most people's home theatre is also their primary music system. Building components that can handle today's complex signal handling requirements and provide optimal fidelity for both music and cinema sources is not easy. High definition video and high resolution audio must not be compromised. The robust dynamics and surround sound envelopment required with movie soundtracks needs to be matched by the tonal neutrality and harmonic refinement expected of fine music playback. Our audio/video components are first and foremost high-end music reproducers endowed with powerful "real world" amplification and sophisticated digital processing. They are capable of putting you in the center of the cinematic action as well as revealing the nuances of your favorite recordings. All Rotel home theatre models have multi-zone capabilities so that you can enjoy music all around the house while keeping your system in one central location.

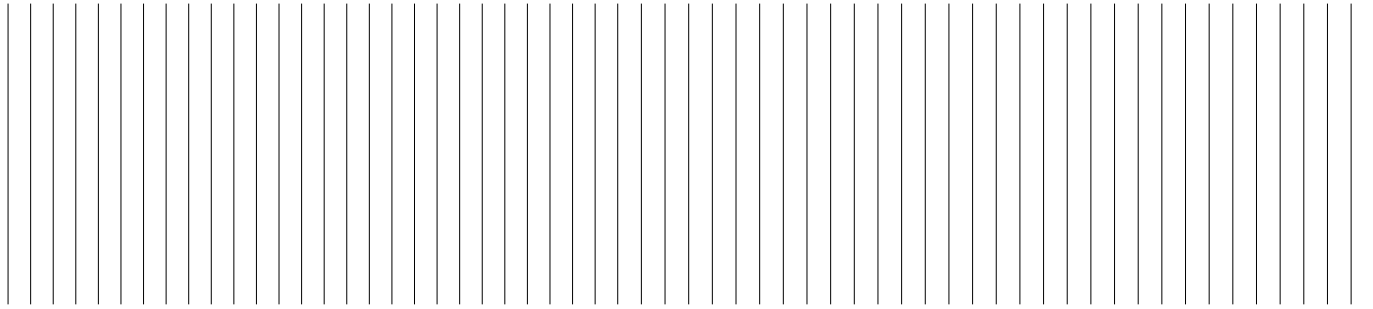
RSX-1560

7.1 CH Home Theatre Receiver



- 100 watts x 7 channels
- 200 watts x 7 channels 4 ohms
- Audiophile-quality Class D amplifier design
- Expanded HDMI v1.3a ports x 4 with Deep Colour and xvYCC
- Dolby® TrueHD, Dolby Digital Plus and dts-HD™ Master Audio, dts HD Hi-Resolution
- Faroudja video processing
- 1080P 24Hertz compliant
- Assignable channels for bi-amping main speakers or second zone
- Rear Panel RS-232C and multiple IR
- Assignable 12 volt triggers
- Second, third and fourth zone capable
- Detachable A.C. cord
- 4U cabinet





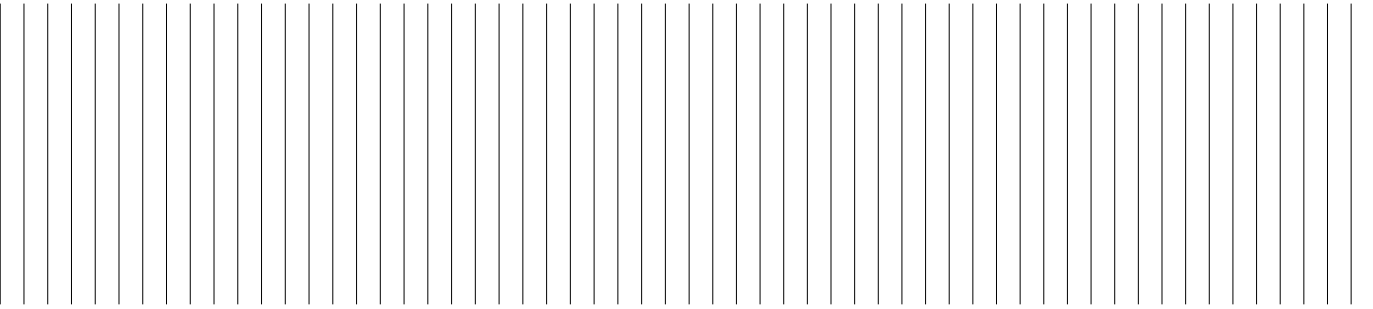
RSX-1550

7.1 CH Home Theatre Receiver with powerful 5 channel amplifier



- 75 watts x 5 channels high performance audiophile amplification
- 7.1 CH surround sound processing. Power amplifier assign feature integrates additional amplifier for 7 channel operation.
- Expanded HDMI v1.3a ports x 4 with Deep Colour and xvYCC
- Dolby® TrueHD, Dolby Digital Plus and dts-HD™ Master Audio, dts HD Hi-Resolution
- Faroudja video processing
- 1080P 24Hertz compliant
- Second, third and fourth zone capable
- +12 volt 150mA assignable trigger output
- RS-232C system control and multiple IR
- Detachable A.C. cord
- 150mm cabinet



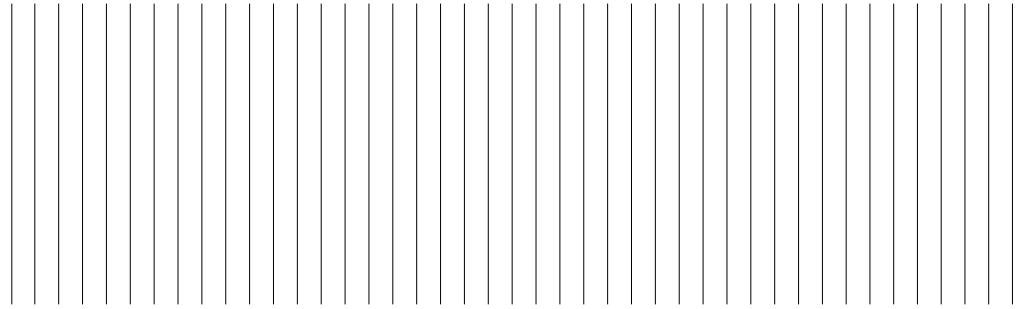


RSP-1570

7.1 Home Theatre Surround Processor/Preamplifier



- Expanded HDMI v1.3a ports x 4 with Deep Colour and xvYCC
- Dolby® TrueHD, Dolby Digital Plus and dts-HD™ Master Audio, dts HD Hi-Resolution
- Faroudja video processing
- 1080P 24Hertz compliant
- Rear Panel RS-232C and multiple IR
- Assignable 12 volt triggers
- Second, third and fourth zone capable
- 3U cabinet



Home Theatre Amplifiers

Several years ago, we launched our first Class D amplifiers and we're proud to introduce a new generation of 15 Series models. Our ultra sophisticated designs quickly earned critical acclaim and a place in the systems of enthusiasts who longed for high performance but not the massive size, weight and heat of equivalent conventional designs. To be clear, Class D does not mean "digital"; rather this technique uses high speed power supplies and semi-conductors to eliminate the need to store energy and instead delivers it effortlessly on demand. The amplification itself is analogue and very much in keeping with our long heritage of superior sound quality. Class D design does away with large heat sinks and bulky power transformers because Class D is a vastly more energy efficient design, up to 90% compared with a conventional amplifier (~30%)—meaning very little energy is wasted. Multiple class D models can be stacked into a rack one against another without concern that they will overheat.

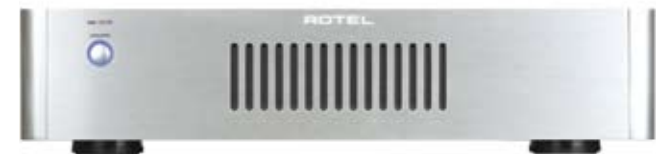
The new 15 Series builds on our past success with this advanced technology and carries forward our "smart" power supply and output filtering techniques. Audio performance is beyond reproach. Five channel and two channel models may be combined to suit system requirements. For the technically inclined, a detailed description of our Class D designs can be found at www.rotel.com

RMB-1575 5 CH Home Theatre Amplifier



- 250 watts x 5 channels high performance audio amplifier
- 500 watts x 5 channels 4 ohms
- Class D energy efficient design
- 12 volt trigger
- Five way binding posts
- 3U cabinet

RB-1572 2 CH Home Theatre Amplifier



- 250 watts x 2 channels high performance audio amplifier
- 500 watts x 2 channels 4 ohms
- Class D energy efficient design
- 12 volt trigger
- Five way binding posts
- 2U cabinet

RMB-1565

5 CH Home Theatre Amplifier



- 100 watts x 5 channels high performance audio amplifier
- 200 watts x 5 channels 4 ohms
- Class D energy efficient design
- 12 volt trigger
- Five way binding posts
- 2U cabinet



RB-1562

2 CH Home Theatre Amplifier



- 100 watts x 2 channels high performance audio amplifier
- 200 watts x 2 channels 4 ohms
- Class D energy efficient design
- 12 volt trigger
- Five way binding posts
- 2U cabinet



Custom Installation Amplifiers

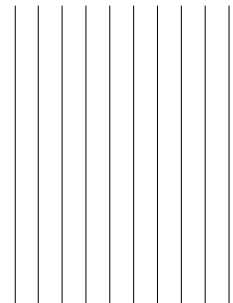
Why limit your listening pleasure to just one room? Rotel's receivers and surround processor all feature separate zone outputs with complete control over volume and source selection in up to four rooms. Combine these units with our high quality distribution amplifiers for a superb music experience throughout your home.



RMB-1506 6 CH Installation Amplifier



- 50 watts x 6 channels high performance audio amplifier
- Audiophile quality analogue amplifier design
- Front panel attenuation control
- 12 volt trigger, signal sensing
- Five way binding posts
- 3U cabinet
- Input bussing
- Buffered link out



RB-1510

2 CH Installation Amplifier



- 65 watts x 2 channels high performance audio amplifier
- 120 watts x 2 channels 4 ohms
- Audiophile quality Class D energy efficient design
- Front panel attenuation control
- 12 volt trigger, signal sensing
- Five way binding posts
- Screw terminals for CI
- 1U cabinet
- Input bussing
- Sum to mono
- Buffered link out



HOME THEATRE AMPLIFIERS

Power Configurations
Watts/Channel

THD (20-20,000Hz) 8 ohms, all channels driven

IM Distortion

Damping Factor (8 ohms)

Gain

Input Sens. / Impedance

Frequency Response

S/N Ratio (IHF A)

Power Consumption

Dimensions (W x H x D)

Weight

RB-1562

2 x 100 watts (20 Hz-20kHz, <0.03%, 8 ohms)
100 watts, both channels driven, with 20kHz filter,
8 ohm load, 20-20 kHz, 0.03% THD

< 0.03%

< 0.03%

200

27.2 dB

1.25 V / 8.3 k ohms

10 - 40 kHz (+/-3dB)

109 dB

130 watts

431x 99 x 339 mm (17 x 3 7/8 x 12 6/8 in)

5.6 kg (14.3 lbs)

RB-1572

2 x 250 Watts (20 Hz-20kHz, <0.03%, 8 ohms)
250 watts, all channels driven, with 20kHz filter,
8 ohm load, 20-20 kHz, 0.03% THD

< 0.03%

< 0.03%

400

27.1 dB

1.5 V / 8.3 k ohms

10 - 80 kHz (+/-3dB)

109 dB

280 Watts

431x 99 x 339 mm (17 x 3 7/8 x 12 6/8 in)

7.8 kg (17.2 lbs)

RMB-1565

5 x 100 Watts
100 Watts

< 0.03%

< 0.03%

400

27.2 dB

1.25 V / 8.2 k ohms

10 - 40 kHz (+/-3dB)

105 dB

250 Watts

431 x 99 x 339 mm (17 x 3 7/8 x 13 3/8 in)

6 kg (13.2 lbs)

RMB-1575

5 x 250 Watts
250 Watts

< 0.03%

< 0.03%

400

27.1 dB

1.5 V / 8.3 k ohms

10 - 80 kHz (+/-3dB)

109 dB

600 Watts

431 x 144 x 406 mm (17 x 5 5/8 x 16 in)

11 kg (24.2 lbs)

SURROUND SOUND PROCESSOR

THD (20-20,000Hz)

IM Distortion

Frequency Response (+/-1 dB)

Analogue Bypass

Digital Input

S/N Ratio (IHF A)

Analogue Bypass

Digital Input

Input Sens. / Impedance

Contour (LF/HF)

Preamp Output Levels

Decodable Digital Input Signal

RSP-1570

<0.05%

<0.05%

10Hz-120kHz, +/- 0.3 dB

10Hz-95kHz, +/- 0.3 dB

95 dB

92 dB

Line Level: 200 mV / 100 k ohms

+/- 6 dB at 50 Hz / 15kHz

1.0 V / 1 k ohm

Dolby Digital, Dolby Digital EX, Dolby Prologic II,
DTS, DTS_ES, DTS96/24, LPCM (up to 192K),
Dolby TrueHD, DTS HD Master Audio

Video

Frequency Response

3 Hz - 10MHz, +/- 3 dB (Composite, S-Video)

3 Hz - 100MHz, +/- 3 dB (Component Video)

S/N Ratio

45 dB

Digital Input Impedance

75 ohms

Digital Output Impedance

75 ohms

Digital Output Level

1.0 volt

Power Consumption

60 watts, Standby 5.5 watts

Power Requirements

120 volts, 60Hz (USA version)

230 volts, 50Hz (CE version)

Weight (net)

9.6 kg / 22 lbs.

Dimensions

431 x 144 x 335 mm

Dimensions inches

17 x 5 5/8 x 13 2/8 in

Front Panel Height

3U / 132.6mm / 5 2/8 in

RSP-1570

7.1 Home Theatre Surround Processor/Preamplifier

**CUSTOM INSTALLATION AMPLIFIER**

Power Configurations

Watts/Channel

THD (20-20,000Hz) 8 ohms,
all channels driven

IM Distortion

Damping Factor (8 ohms)

Gain

Input Sens. / Impedance

Frequency Response (+/-1 dB)

S/N Ratio (IHF A)

Power Consumption

Dimensions (W x H x D) mm

Weight

RB-1510

2 x 65 watts

65 watts

0.03%, maximum

0.03%, maximum

200

27.0 dB

1.0V / 33 kohms

15-50 kHz (+/-1dB)

108 dB

120 watts

431 x 55 x 336 mm (17 x 2 1/8 x 13 2/8 in)

4.3 kg (12.5 lbs)

RMB-1506

6 x 50 watts/ch into 8 ohms

< 0.03%

< 0.03%

>200

1.0 V / 20 k Ohms

10Hz-100kHz

115 dB

450 watts

431 x 144 x 424 mm (17 x 5 5/8 x 16 5/8 in)

15.3 kg (33.7 lbs)

HOME THEATRE RECEIVERS

Power configurations
Continuous Amplifier Power (two channels driven)

THD (20-20,000Hz) 8 ohms, all channels driven
IM Distortion
Analogue Bypass
Digital Input
Input Sens. / Impedance
Contour (LF/HF)
Preamp Output Levels
Decodable Digital Input Signal

Video

Frequency Response

S/N Ratio
Input Impedance
Output Impedance
Output level

FM Tuner

Usable Sensitivity
Signal / Noise Ratio (at 65 dBf)
Harmonic Distortion (at 65 dBf)
Stereo Separation (1 kHz)
Output Level
Antenna Input

AM Tuner

Sensitivity
Signal to Noise Ratio
Output Level
Antenna Input
Power Consumption (Rating)
Power Consumption (Idling)
Power Consumption (Standby)
Power Requirements USA
Power Requirements CE
Dimensions (W x H x D) mm
Dimensions (W x H x D) in.
Weight (net)
Front Panel Height

RSX-1550

5 x 75 watts/ch (20-20kHz, <0.05% THD, 8 ohms)
100 watts/ch (1kHz, <1.0% THD, 4 ohms, DIN)

<0.05%
<0.05%
95 dB
92 dB
Line Level : 200 mV/100K ohms
+/- 6 dB at 50 Hz / 15 kHz
1.0V / 1K ohm
Dolby Digital, Dolby Digital EX, Dolby Prologic IIx, DTS, DTS_ES,
DTS96/24, LPCM (up to 192K), Dolby TrueHD and DTS HD Master Audio

3 Hz - 10 MHz, +/-3 dB (Composite, S-Video)
3 Hz - 100 MHz, +/- 3 dB (Component Video)

45 dB
75 ohms
75 ohms
1.0 Volt

14.2 dBf
70 dBf
0.03%
45 dB
1 V
75 ohms unbalanced

500 uV/m
40 dB
500 mV
Loop Antenna
450 watts
100 watts
4.7 watts
120 volts, 60 Hz
230 volts, 50 Hz
431 x 162 x 435 mm
17 1/8 x 6 1/2 x 16 5/8 in.
17 Kg / 38 lbs.
150 mm / 5.9 in.

RSX-1550

7.1 CH Home Theatre Receiver
with powerful 5 channel amplifier



RSX-1560 (ClassD)

7 x 100 watts/ch (20-20kHz, <0.03% THD, 8 ohms)

<0.03%
<0.05%
95 dB
92 dB
Line Level : 200 mV/100K ohms
+/- 6 dB at 50 Hz / 15 kHz
1.0V / 1K ohm
Dolby Digital, Dolby Digital EX, Dolby Prologic IIx, DTS, DTS_ES,
DTS96/24, LPCM (up to 192K), Dolby TrueHD and DTS HD Master Audio

3 Hz - 10 MHz, +/-3 dB (Composite, S-Video)
3 Hz - 100 MHz, +/- 3 dB (Component Video)

45 dB
75 ohms
75 ohm
1.0 Volt

14.2 dBf
70 dBf
0.03%
45 dB
1 V
75 ohms unbalanced

500 uV/m
40 dB
500 mV
Loop Antenna
500 watts
79 watts
3 watts
120 volts, 60 Hz
230 volts, 50 Hz
431 x 188 x 422 mm
17 x 7 3/8 x 16 5/8 in.
15.5 Kg / 38 lbs.
4U / 177 mm / 7 in.

RSX-1560

7.1 CH Home Theatre Receiver



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