

ROTEL

RSX-1562

7.1 Channel Surround-Sound Receiver





Rotel has over 50 years of experience in designing and manufacturing high performance electronics for home entertainment. Our latest advanced component is the new RSX-1562, a 7.1 channel, surround-sound receiver that can serve as master control and amplifier for all audio /video sources and speakers in a home theater system.

The RSX-1562 builds upon the excellence established by its highly acclaimed predecessor, the RSX-1560, but with the addition of new, improved circuitry and technologies such as HDMI® 1.4 with 3D. In addition, the advent of so many video sources such as a cable or satellite box, DVRs, DVD players, and WiFi or Ethernet audio / video feeds from devices such as Apple TV® and Roku® etc., have necessitated adding more HDMI inputs. The RSX-1562 now has six HDMI 1.4 inputs and two HDMI 1.4 outputs, one with an Audio Return Channel (ARC). The ARC in HDMI 1.4 enables a TV via a single HDMI cable, to send audio data “upstream” to an A/V receiver or surround audio controller, increasing user flexibility and eliminating the need for any separate S/PDIF audio connection.

A USB front input for iPod/iPhone/iPad or other MP3 player use is provided. The USB input provides a digital connection so that the RSX-1562’s advanced 24Bit/192K DACs can provide the critical decoding. Additionally, the receiver incorporates Bluetooth operation so that a physical connection of portable audio players (which have this capability), is not required. To provide even more audio versatility, the preamplifier includes a 10 band parametric EQ, and advanced bass management.

Video signals are handled by the latest generation Faroudja® Torino FLI30336 Cortez Advanced Platform

offering the most robust set of Faroudja DCDi Cinema video processing technologies available. Torino combines unique analog and digital processing to drastically reduce video noise without sacrificing image quality and sharpness. It also offers next-generation Faroudja RealColor, color management technologies. The Faroudja Torino includes an integrated 3D video decoder. The RSX-1562 is designed to support 3D video signals, whether from Blu-ray players or set-top boxes. The RSX-1562 supports all traditional audio and video processing features with Dolby® TrueHD, Dolby Digital Plus, DTS® HD Master Audio, DTS HD and more. Dual 32 Bit DSP’s and 24Bit/192K audio DACs ensure high sound quality and performance.

The amplifiers on board the RSX-1562 are ICE® Class D design. The power output of the receiver is 7 x 100 watts into 8 ohms @20Hz - 20kHz and can double that figure at 4 ohms. Due to their efficient design, the surround sound receiver runs relatively cool even at higher levels of operation. As heat is a liability for all electronics, this feature benefits the longevity of the unit. Rotel has one of the better warranties in the industry for receivers at 5 years parts and labor.

Multi zone outputs provide composite video and analog audio for 3 zones. Zone control includes source selection, volume and on/off. The RSX-1562 front panel display shows current source, volume and DSP mode. The OSD is available for customer setup using the HDMI video output.

The RSX-1562 is a superbly engineered, surround-sound receiver capable of delivering outstanding audio and video performances from all your music and movie sources.

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7.1 Channel Surround-Sound Receiver



- 7 x 100 watts / channel
- Dual 32 bit processors
- Bluetooth capability with included Dongle
- 6 x HDMI v1.4 ports inputs
- 2 x HDMI 1.4 outputs (one with ARC)
- Dolby® TrueHD, Dolby Digital Plus, Dolby PLIIz, dts-HD™ Master Audio
- USB front panel connection
- 10 band parametric EQ
- Advanced bass management
- 24 Bit / 192kHz audio DACs
- Assignable 12-volt triggers
- Video Transcoding to HDMI
- Bi-directional RS-232 interface
- Rear panel IR control ports
- Second, third and fourth zone capable
- Detachable AC cord
- 4U cabinet
- Finishes - Silver and black

Specifications

Audio

Continuous Power (7 channels driven)	100 watts/ch (20-20k Hz, <0.05% THD, 8 ohms)
Continuous Amplifier Power	200 watts (1 kHz, <1.0% THD, 4 ohms, DIN)
Total Harmonic Distortion	<0.008%
Intermodulation Distortion (60Hz:7kHz)	<0.008%
Signal to Noise Ratio (IHF A-weighted)	95dB (analog bypass) 92dB (Dolby Digital, DTS) 0 dBFs
Input Sensitivity/ Impedance	Line Level: 200 mV/100k ohms
Preamp Output Level/ Output Impedance	1.0V/1k ohms
Decodable Digital Input Signals	Dolby Digital, Dolby Digital EX, Dolby Pro Logic IIz, DTS, DTS-ES, DTS 96/24, DTS-ES 96/24, LPCM (up to 192k). Lossless audio formats (using HDMI 1.3): Dolby TrueHD and DTS HD Master Audio.
Decodable USB/iPod Digital Input Signals	AAC(m4a), WAV, MP3, WMA
Video	
Input Resolution	480i/576i, 480p/576p, 720p, 1080i 1080p, 1080p 24Hz, 3D (HDMI only)
Output Resolution	480i/576i (Composite only), 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D (HDMI only)
Signal to Noise Ratio	45dB
Input Impedance	75 ohms
Output Impedance	75 ohms
Output Level	1.0 volt
HMDI Inputs/Outputs	Version 1.3, supporting Deep Color passthrough and Broad Color Space passthrough. Version 1.4, supporting 3D passthrough and Audio Return Channel

FM Tuner

Usable Sensitivity	14.2dBf
Signal to Noise Ratio (at 65dBf)	70dB
Harmonic Distortion (at 65dBf)	0.03%
Stereo Separation (1 kHz)	45dB
Output level	1V
Antenna Input (unbalanced)	75 ohms

AM Tuner

Sensitivity	50µV/m
Signal to Noise Ratio	40dB
Output Level	500 mV
Antenna Input	Loop Antenna

General

Power Consumption	500 watts 0.5 watt (standby)
Power Requirements (AC)	120 volts, 60Hz (USA version) 230 volts, 50Hz (EC version)
Weight	15.5kg/34.17 lbs
Dimension (W x H x D)	431 x 188 x 422 mm 17 x 7 1/2 x 16 5/8 in
Front Panel Height (feet removed for rack mount)	4U/176.8mm/7