



RSX-1057

Surround Sound Receiver





An important note about power specifications:

When is 75 watts really 75 watts? In the days of two-channel audio, it was pretty easy to determine the power of an amplifier because everyone had to play by the same rules. All manufacturers were forced to use the following criteria to determine power as mandated by the FTC. All of the amplifier's channels must be driven at 8 ohms with a frequency response of 20 Hz to 20 kHz. The FTC does not have a rule enforcing the measurement of multi-channel amplifiers.

This test produced a result called RMS (Root Mean Square), or the continuous average output of the amplifier. This is still the only proper way to test an amplifier's capabilities. Today's multi-channel receivers and power amplifiers are often having their power rated (watts per channel) by driving one channel at

1 kHz. This formula will never tell you how that amplifier will perform under a real-world load because the sound humans can hear is located across the entire bandwidth of 20 Hz to 20 kHz.

Rotel is an audiophile company and is proud to display the actual power rating of all channels driven at 8 ohms with a frequency response of 20 Hz to 20 kHz. This is the only way to show what actual power will be available during real-world use. Be careful of what appears to be exceptional power ratings for a given price range and read the specifications carefully. For more information on amplifier design and power supply performance, read pages four and five in our 2005 - 2006 Product Catalog or go to www.rotel.com to download a copy.



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From a quick glance at its specifications, Rotel's new RSX-1057 surround sound receiver might seem like just another entry in this very crowded component category. Yet, the RSX-1057 distinguishes itself from the competition during actual use with an overbuilt power supply that delivers the extreme voltage and current required during those explosive soundtracks so prevalent in today's movies.

The high current amplifier section puts a full 75 watts RMS per channel at your sonic disposal (that's with all five channels driven simultaneously from 20 Hz to 20 kHz with no more than 0.05% THD!). In the real world, this is far more power than you'll find in other products that provide only two-channel ratings. Of course, superb power supply design helps here as does careful parts evaluation and selection. But, that's simply part of Rotel's Balanced Design heritage.

Are you concerned about future audio/video needs? The RSX-1057 is HDMI ready now with two HDMI inputs and one HDMI output (version 1.1) to connect your A/V components to the latest generation video displays with 1080P capability. Will you be moving your system to a larger environment, or considering an eventual move to full 7.1 surround capability? The RSX-1057 features an option that provides for the simple

addition of a two-channel amplifier to expand your home theater options to full 7.1 should you desire it.

Rotel hasn't forgotten convenience either. The RSX-1057 provides analog and digital connections for up to seven additional components. The RSX-1057 even allows you to re-label inputs, assign inputs, perform advanced bass management and equalize channels.

Advanced microprocessors from Crystal Semiconductor handle Dolby Digital, Dolby Digital EX, DTS, DTS ES Discrete and Matrix, DTS 24/96, DTS Neo:6 and Dolby Pro Logic II X decoding and provide several music modes for your enjoyment, too. Three component inputs and internal video transcoding let you see the best picture possible regardless of your source.

The RSX-1057 is also for custom installations. There's an RS-232 interface, multi-room, multi-source with composite video, three assignable 12-volt trigger outputs, discrete on/off remote control command codes, rear panel IR inputs, and a detachable AC power cord. A fully programmable remote control is standard.



SPECIFICATIONS

Model	RSX-1057	FM Tuner	
Audio		Usable Sensitivity	14.2 dBf
Continuous Amplifier Power (All five channels driven)	75 watts/ch (20-20k Hz, <0.05% THD, 8 ohms) (Five Channel Driven)	Signal to Noise Ratio (at 65 dBf)	70 dBf
Continuous Amplifier Power (two channels driven)	100 watts/ch (1kHz, <1.0% THD, 8 ohms, DIN) (Two Channel Driven)	Harmonic Distortion (at 65 dBf)	0.03%
Total Harmonic Distortion	<0.09 %	Stereo Separation (1 kHz)	45 dB
Intermodulation Distortion (60 Hz:7 kHz)	<0.05 %	Output level	1 V
Frequency Response		Antenna Input	75 ohms unbalanced
Analog Bypass	10 Hz - 120 KHz, \pm 3 dB	AM Tuner	
Digital Input	10 Hz - 95 KHz, \pm 3 dB	Sensitivity	500 uV/m
Signal to Noise Ratio (IHF A-weighted)		Signal to Noise Ratio	40 dB
Analog Bypass	95 dB	Output level	500 mV
Digital Input 0 dBfs (Dolby Digital, dts)	92 dB	Antenna Input	Loop Antenna
Input Sensitivity/Impedance	Line Level: 200 mV/100K ohms	General	
Contour (LF / HF)	\pm 6 dB at 50 Hz / 15 KHz	Power Consumption	450 watts, Standby 6 watts
Preamp Output Level/Impedance	1.0 V / 1K ohm	Power Requirements (AC)	115 volts, 60 Hz (USA version) 230 volts, 50 Hz (CE version)
Decodable Input Signal	Dolby Digital, Dolby Digital EX, Dolby Prologic IIx, DTS, DTS_ES, DTS96/24, LPCM (up to 192K), HDCD, MP3, MPEGMultichannel	Dimensions (W x H x D)	433 x 162 x 421mm 17 $\frac{1}{8}$ x 6 $\frac{1}{2}$ x 16 $\frac{5}{8}$ "
Video		Weight (net)	17 Kg - 38 lbs.
Frequency Response	3 Hz - 10 MHz, \pm 3 dB (Composite, S-Video) 3 Hz - 100 MHz, \pm 3 dB (Component Video)	Front Panel Height (for rack mount)	150 mm - 5.9"
Signal to Noise Ratio	45 dB		
Input Impedance	75 ohms		
Output Impedance	75 ohms		
Output Level	1.0 Volt		

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