

SURROUND SOUND PROCESSOR

RSP-1576



HDMI

7 HDMI 2.0a inputs capable of 4K/UHD video passthrough



10 channel Parametric EQ for optimizing room acoustics



6 x Wolfson premium 24-bit/192kHz Digital to Analog Converters



Decodes DTS:X



Bluetooth with aptX

HDCP 2.2

7 HDMI inputs and both HDMI outputs support HDCP 2.2



Balanced XLR inputs



Supports Dolby Atmos



PC-USB input supporting 24-bit 192kHz audio



Moving Magnet Phono Input

The Rotel RSP-1576 has been custom designed and engineered for music and movie lovers alike. This Surround Sound Processor includes the latest in audio and video technology including HDMI 2.0 4K/UHD 60Hz HDR video, Audio Return Channel, aptX CD quality wireless streaming and dual Texas Instruments DSPs supporting Dolby Atmos and DTS:X

Leveraging over 55 years of design experience the Rotel engineers designed a multi-channel preamplifier capable of decoding all popular audio formats. The 2 DSPs and array of 6 Wolfson 24/192k audiophile grade DACs support configuration options from 5.1 to a complete Dolby Atmos 7.1.4 home theater. There are 12 channels of RCA audio outputs for a fully customized installation.

The architecture of the RSP-1576 includes individual audio and video processing circuits with careful attention to signal routing ensuring the highest in class performance. The sonic circuits were tuned in the UK by the acoustic engineering team to further

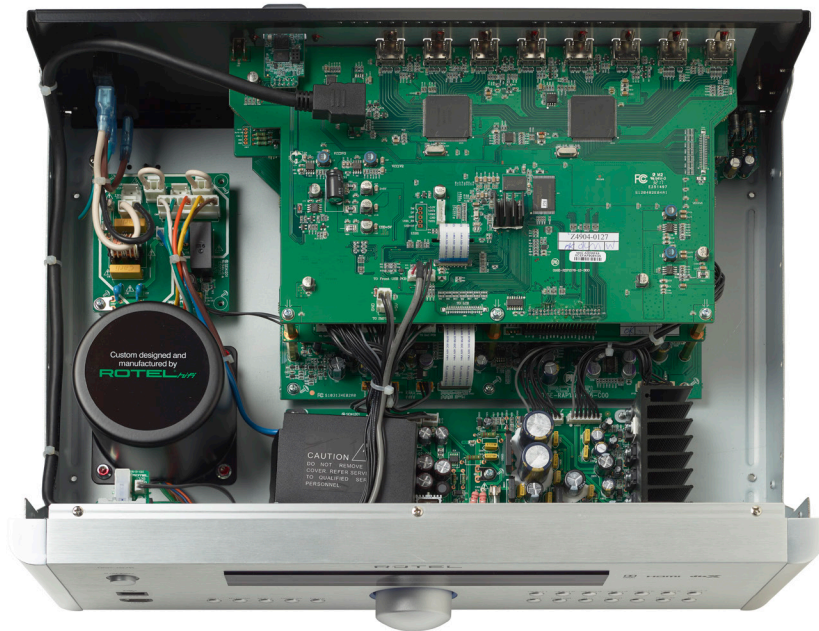
ensure the RSP-1576 accurately reproduces audio from the dynamics of blockbuster movies to the subtle nuances buried deep with an orchestral concerto. The array of source inputs include coaxial (3), optical (3), PC-USB (24/192k), iPod, apt-X Bluetooth, RCA Analog and Moving Magnet phono input for vinyl enthusiasts.

The RSP-1576 comes replete with a full array of custom installation options include RS232 and IP control, IR remote receiver input, IR remote repeater outputs, 10 band parametric EQ for room equalization and software updates available via the front USB or over the internet. The setup menu is available on both the HDMI output and on the integrated VFD display providing easy access to all configuration options.

Supported by a full lineup of Rotel Class AB amplifiers ranging from 120 Watts to 350 Watts in 2 Channel and 5 Channel options, the RSP-1576 is sure provide countless hours of entertainment.

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SPECIFICATIONS

AUDIO

Total Harmonic Distortion 0.0006% (Analog Bypass)
0.003% (Digital Input)

Intermodulation Distortion < 0.005%
(60 Hz : 7 kHz, 4:1)

Frequency Response
Phono Input 20 Hz - 20k Hz, \pm 0.5 dB
Analog Bypass 10 Hz - 100k Hz, \pm 1 dB
Digital Input 20 Hz - 20k Hz, \pm 0.5 dB

Signal to Noise Ratio (A-weighted)
Analog Bypass 112 dB
Digital Input 112 dB

Input Sensitivity/Impedance
Phono Level 3.5 mV / 47k ohms
Line Level 270 mV / 100k ohms
Balance Level 500 mV / 100k ohms

Preamp Output Level
Line Level 1.0 V

Channel Separation > 75 dB
(at 10k Hz)

Digital Audio
LPCM (up to 192kHz, 24-bit)
Dolby® Surround,
Dolby® TrueHD, Dolby® Atmos,
DTS-HD Master Audio, DTS:X

VIDEO

Input Resolutions 480i/576i, 480p/576p, 720p,
1080i, 1080p, 1080p 24Hz,
3D, 4K, UHD, 4K 60Hz, 4K HDR10

Output Resolution 480i/576i, 480p/576p, 720p
1080i, 1080p, 1080p 24Hz,
3D, 4K, UHD, 4K 60Hz, 4K HDR10

Color Space Support sRGB, YCbCr 4:2:2, YCbCr 4:4:4

Deep Color Support 24-bit, 30-bit, 36-bit

HDMI Inputs/Outputs 7 inputs supporting HDCP 2.2,
HDMI2.0a
2 outputs supporting HDCP 2.2,
HDMI2.0a
Audio Return Channel

GENERAL

Power Consumption 60 watts
< 0.5 watt (standby)

Power Requirements (AC) 120 volts, 60Hz
230 volts, 50Hz

BTU (4 ohms, 1/8 Power) 114 BTU/h

Dimension (W x H x D) 431 x 144 x 348 mm
17 x 5 2/3 x 13 5/7 in

Front Panel Height 3U / 132.6 mm / 5 1/4 in
Weight 8.8 kg / 19.4 lbs