ROTEL®

SURROUND SOUND PROCESSOR

RSP-1576MKII

DIRAC
Supports
Dirac Live Full

dtsX™
Decodes
DTS:X

Dolby ATMOS
Supports
Dolby Atmos

❋ (Bluetooth)
Bluetooth
with apt-X

⌖
Moving Magnet
Phono Input

The RSP-1576MKII has been custom engineered for music and movie lovers alike utilizing Rotel's 58+ years of design experience. This high-performance pre-amplifier decodes all popular multi-channel audio formats with vivid resolution and exceptional clarity keeping true to Rotel's audio brand heritage.

This processor includes 7 HDMI 4K/HDR video inputs with dual HDMI 4K/HDR video outputs with ARC support. Audio processing utilizes a state-of-the-art Texas Instruments quad core DSP supporting Dolby Atmos and DTS:X up to 7.1.4 theaters.

Complimenting the DSP is an array of 6 audiophile grade Wolfson 24b/192K DACs preforming the Digital to Audio conversion. The RSP-1576MKII is fully licensed for Dirac Live Full edition room correction and includes a measurement microphone. Dirac audio calibration technology utilizes proprietary time-domain and amplitude correction algorithms ensuring a truly uniquely, pristine listening experience regardless of theater size.

The architecture of the RSP-1576MKII includes individual audio and video processing circuits ensuring highest in class

performance. All critical audio circuits were tuned in the UK by an acoustic engineering team further ensuring the RSP-1576MKII accurately reproduces audio from the dynamics of blockbuster movies to the subtle nuances buried deep within an orchestral concerto.
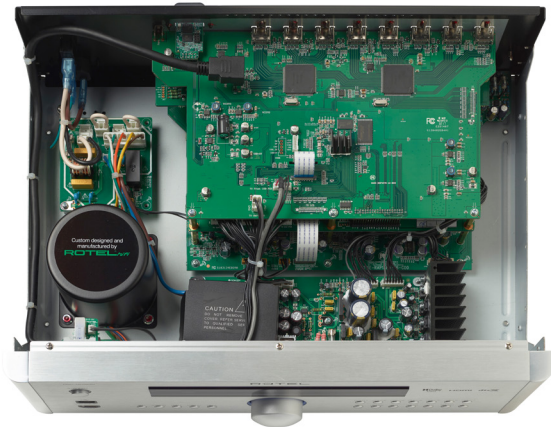
Supported input sources include analog (3), coaxial (3), optical (3), PC-USB (24b/192k), iOS USB, XLR, apt-X Bluetooth and a Moving Magnet Phono Stage for vinyl enthusiasts.

The RSP-1576MKII seamlessly integrates with all popular control systems using either RS232 or Ethernet with 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 70 Watts to 350 Watts in 2, 4, 5 and 6 channel options, the RSP-1576MKII is sure to provide countless hours of entertainment.

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SPECIFICATIONS

Audio

Total Harmonic Distortion	0.0006% (Analog Bypass)
	0.003% (Digital Input)
Intermodulation Distortion (60 Hz : 7 kHz, 4:1)	< 0.005%
Frequency Response	
Phono Input	20 Hz - 20k Hz, ± 0.5 dB
Analog Bypass	10 Hz - 100k Hz, ± 1 dB
Digital Input	20 Hz - 20k Hz, ± 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 (at 10k Hz)	> 75 dB
Digital Audio	LPCM (up to 192kHz, 24-bit)
	Dolby® Surround,
	Dolby® TrueHD, Dolby® Atmos,
	DTS-HD Master Audio,
	DTS:X
	Dirac Live Full

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, HDMI2.0b
	2 outputs supporting
	HDCP 2.2, HDMI2.0b
	Audio Return Channel

General

Power Consumption	60 watts
	< 0.5 watt (standby)
Power Requirements (AC)	120 volts, 60 Hz
	230 volts, 50 Hz
BTU	114 BTU/h
Dimension (W x H x D)	431 x 144 x 348 mm
	17 x 5 $\frac{2}{3}$ x 13 $\frac{5}{7}$ in
Front Panel Height	3U / 132.6 mm / 5 $\frac{1}{4}$ in
Weight	8.8 kg / 19.4 lbs

All specifications are accurate at the time of printing.

Rotel reserves the right to make improvements without notice.

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