

RSP-1576MKII



Supports
Dirac Live Full



Decodes
DTS:X



Supports
Dolby Atmos



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 performing 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.

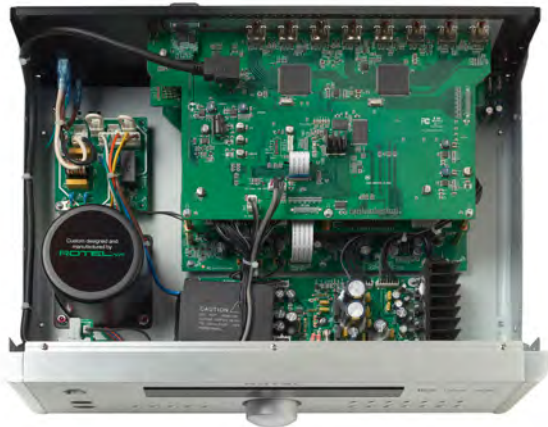
Supported input sources include analog (3), coaxial (3), optical (3), PC-USB (24b/192k), iOS USB, XLR, apt-X Bluetooth and a Moving Magnet Phono Stage for vinyl enthusiasts.

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.

SURROUND SOUND PROCESSOR

RSP-1576MKII



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 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

All specifications are accurate at the time of printing.
Rotel reserves the right to make improvements without notice.
www.rotel.com

RAP-1580MKII



Supports
Dirac Live LE



Decodes
DTS:X



Supports
Dolby Atmos



Bluetooth
with apt-X



7 x 140W class AB
amplification



Moving Magnet
Phono Input

RAP-1580MKII is the ideal home theater solution delivering uncompromised performance packaged in a size efficient chassis that rivals many separate theater component installations. It is an ultra-high-performance multichannel-integrated amplifier supporting DTS:X and Dolby Atmos 7.1.4 surround processing bringing music and movies to life with stunning clarity. The amplifier section is built upon a powerful Class AB design driving all 7 channels simultaneously at 140 watts per channel into 4 ohm speakers loads, anchored by a massive Rotel factory-made toroidal transformer.

RAP-1580MKII utilizes an array of 6 high performance Wolfson 24-bit/192kHz Digital-to-Analog Converters. These low noise, audiophile quality DACs are supported with premium-grade audio components in circuits tuned by Rotel's acoustic engineering team in the U.K.

Dirac Live LE and a USB microphone are included providing unrivaled room correction and system calibration. Dirac delivers improved staging, better clarity and deeper, tighter bass ensuring the RAP-1580MKII delivers optimal performance in any setting.

The front HDMI input and all 7 rear HDMI inputs support HDMI 2.0b 4K video with HDCP 2.2 supported on 3 of these inputs and both 4K/HDR video outputs. The seven-inch front panel graphic display provides easy adjustments of all configuration parameters directly on the unit ideal for set-ups where the equipment is installed in a remote location.

The RAP-1580MKII supports a vast array of audio sources including 3 analog, 6 digital, PC-USB (24b/192k), apt-X Bluetooth, XLR, Moving Magnet Phono Stage, multi-input and front panel iOS USB. The unit also includes 12V trigger controls, IR remote input and outputs, RS232 and Ethernet connections for effortless integration with all popular control systems.

Rotel's RAP-1580MKII is simple to operate, powerful, flexible and refined. It is a state-of-the-art single chassis audio/video processor including best-in-class Dirac Room Correction that outperforms most component systems. In stereo or surround sound, this is a serious audio component.

SURROUND AMPLIFIED PROCESSOR

RAP-1580MKII



SPECIFICATIONS

Audio

Continuous Power Output

1k Hz, THD < 0.05%, 4 ohms	200 watts / channel (2 channels driven)
1k Hz, THD < 0.05%, 4 ohms	140 watts / channel (7 channels driven)
1k Hz, THD < 0.05%, 8 ohms	135 watts / channel (2 channels driven)
20 - 20k Hz, THD < 0.05%, 8 ohms	100 watts / channel (7 channels driven)

Total Harmonic Distortion

< 0.05%

Intermodulation Distortion

< 0.05%

Frequency Response

Phono Input	20 Hz - 20k Hz, ± 1 dB
Analog Bypass	10 Hz - 100k Hz, ± 1 dB
Digital Input	20 Hz - 20k Hz, ± 0.5 dB

Damping Factor (1k Hz, 8 ohms)

230

Signal to Noise Ratio (A-weighted)

Analog Bypass	100 dB
Digital Input	96 dB

Input Sensitivity/Impedance

Phono Level	3.85 mV / 47k ohms
Line Level	300 mV / 100k ohms
Balance Level	600 mV / 100k ohms

Preamp Output Level

1.2 V

Digital Audio

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

Video

Input Resolutions

480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D, 4K, UHD

Output Resolution

480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D, 4K, UHD

Color Space Support

sRGB, YCbCr 4:2:2, YCbCr 4:4:4

Deep Color Support

24-bit, 30-bit, 36-bit

HDMI Inputs/Outputs

8 inputs with 3 supporting HDCP 2.2
2 outputs supporting HDCP 2.2
Audio Return Channel

General

Power Consumption

1100 watts
< 0.5 watt (standby)

Power Requirements (AC)

120 volts, 60Hz
230 volts, 50Hz

BTU (4 ohms, 1/8 Power)

2800 BTU/h

Dimension (W x H x D)

431 x 192 x 470 mm
17 x 7 5/9 x 18 1/2 in

Front Panel Height

4U / 177 mm / 7 in

Weight

22.8 kg / 50.27 lbs

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