

RMB-1585MKII

MULTI-CHANNEL POWER AMPLIFIER



Class AB amplifier design



5 x 340 Watts of robust power, 4 Ohms



Massive power supply using Dual Toroidal Transformers



High quality slit foil capacitors



Optional rack ears available

Rotel's new RMB-1585MKII 5-channel amplifier continues our heritage of producing high powered, perfectionist amplifiers for multi-channel systems.

Following Rotel's updated MKII design architecture, the RMB-1585MKII incorporates both circuit and component upgrades in the power supply and amplifier stages achieving ultra-low distortion, high gain amplification and signal isolation rendering multi-channel audio with ultimate precision and exacting clarity.

The Class AB RMB-1585MKII is built around two massive in-house manufactured high-current toroidal transformers designed to supply stable current to an array of 8 high-efficiency energy storage capacitors. This power supply architecture delivers rich, deep bass energy with absolute control of low frequencies even when driving the most demanding loudspeakers.

To optimize cooling, the RMB-1585MKII is equipped with 4 thermostat-controlled, variable-speed ultra-low-noise fans.

The RMB-1585MKII features a rear panel switch to select normal 5-channel mode, or Bi-Amp mode. In

Bi-Amp mode, Channels 1+2 and Channels 4+5 are wired to receive the same input signal, allowing for simple bi-amplification.

This unique configuration allows the use of a separate amplifier channel for the Left and Right channel High Frequency (HF) and Low Frequency (LF) drivers, resulting in improved dynamics, and enhanced resolution from compatible loudspeakers.

The RMB-1585MKII is purpose built for Home Theaters and custom installation. Convenient auto-switching XLR Balanced and RCA inputs ensure compatibility with any AV Processor or Home Theater receiver preamp output, and a 12 V trigger input and output provides simplified power control. Detachable rack mount hardware is available for mounting in standard 19" equipment racks.⁽¹⁾

The RMB-1585MKII is available in both elegant black and stylish silver colors.

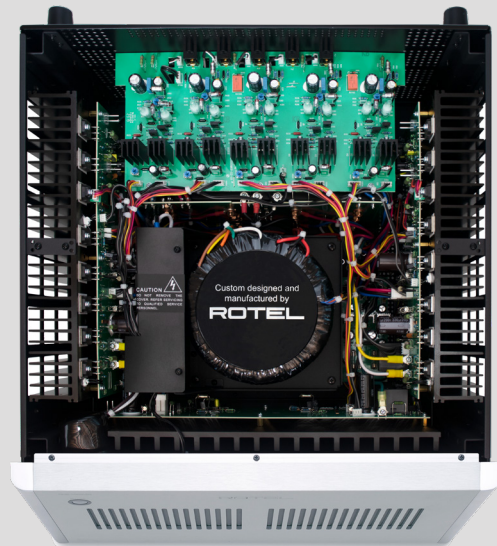
⁽¹⁾ Rack mount kits included in some regions.

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SPECIFICATION

Power Output (5ch driven, 8 Ohms)	210 Watts / channel
Power Output (5ch driven, 4 Ohms)	340 Watts / channel
Power Output (2ch driven, 4 Ohms)	440 Watts / channel
Total Harmonic Distortion	< 0.03%
Intermodulation Distortion (60 Hz : 7k Hz, 4:1)	< 0.03%
Frequency Response (+0.1 dB, -0.3 dB)	10 Hz - 100k Hz
Damping Factor (1k Hz, 8 Ohms)	223
Input Impedance/ Sensitivity	
Unbalanced	12k Ohms / 1.89 Volt
Balanced	50k Ohms / 4.7 Volt
Gain	26.9 dB
Signal to Noise Ratio (A Weighting)	120 dB
Crosstalk/ Separation	> 55 dB



Power Requirement	
USA	120 Volts, 60 Hz
Europe	230 Volts, 50 Hz
Power Consumption	1200 Watts
BTU (4 Ohms, 1/8 power)	3317 BTU/h
Dimensions (WxHxD)	431 x 237 x 456 mm
	17 x 9 1/3 x 18 ins.
Front Panel Height	5U / 221 mm / 8 3/4 ins.
Weight (net)	37.4 kg / 82 lbs.
Finish	Black and Silver