



**RMB-1585**  
Multichannel Power Amplifier





## RMB-1585 Multichannel Power Amplifier



The RMB-1585 is Rotel's new flagship home cinema power amplifier. Its unique combination of massive power and sonic sophistication gives movie lovers a truly stellar performance with even the most demanding speaker setups.

Five channels can each produce 200 continuous watts into 8-ohm loads. This full kilowatt of output power means it can handle any speaker load or room size. But don't mistake it for a brute. Rotel is legendary for the audiophile performance of its amplifiers, and the RMB-1585 faithfully reproduces everything from the dynamics of a Hollywood blockbuster to the subtleties of acoustic instruments, giving an authoritative yet nuanced performance.

This performance is thanks to Rotel's Balanced Design Concept. For decades, Rotel's power amplifiers have been admired for their "less is more" approach that emphasises simplicity and precise execution of proven engineering principles. Balanced Design Concept uses carefully chosen

components, optimised signal paths, and critical evaluation to assess and fine tune performance throughout the design process. The result is pure sonic excellence.

Its Class AB configuration, using technology and expertise taken from Rotel's classic stereo power amplifiers, gives a linear performance that sounds spectacular across a wide range of loudspeakers and assures the best balance between power output and thermal efficiency for exceptional reliability.

Key components include a highly stable power supply based on dual toroid transformers that provide precise voltages at high current to subsequent circuit stages and serve as a critical first stage of filtration for incoming AC power. The toroid shape also reduces stray emissions that might otherwise have a negative impact on sound quality.

Other internal components are of equally high calibre, sourced from Rotel's global supply network after exhaustive

listening tests to single out only the truly superlative. For example, discrete output transistors for higher thermal stability, performance and power than an integrated circuit. Dual fans provide serious yet silent airflow for proper thermal dissipation. And eight British-made Slit-Foil capacitors. These feature cuts in the capacitors' aluminium conductors to minimize eddy currents, boosting efficiency and improving performance.

The RMB-1585 features heavy-duty speaker terminals, unbalanced RCA-style inputs and a set of XLR balanced inputs, ideal for reducing noise when connecting to a compatible high-end pre-amp.

This all goes to make the RMB-1585 something very special. It's as powerful as Goliath but as nimble as David. If you're looking for a home cinema that will accurately deliver the subtleties of a soundtrack and the thunderous action of a blockbuster, you have just found perfection.





## SPECIFICATIONS

**Continuous Power Output**  
(20-20kHz, < 0.03%, 8 ohms)  
**Total Harmonic Distortion**  
(20Hz-20kHz, 8 ohms)  
**Intermodulation Distortion**  
(60Hz : 7kHz, 4:1)  
**Frequency Response**  
(+0.5, -3 dB)  
**Damping Factor**  
(20-20,000Hz, 8 ohms)  
**Speaker Impedance**  
**Signal to Noise Ratio**  
(IHF A network)

200 watts/channel,  
5 channel driven  
< 0.03%  
< 0.03%  
10Hz - 100kHz  
260  
4 ohms minimum  
116 dB

### Input Impedance/Sensitivity

Unbalanced 12k ohms/1.9 volt  
Balanced 50k ohms/7.5 volt  
**Gain** 26.5 dB

### Power Requirements

U.S. version 120 volts, 60Hz  
European version 230 volts, 50Hz  
**Power Consumption** 800 watts

### Dimensions

Width x Height x Depth 431 x 237 x 454mm  
17 x 9 3/8 x 17 7/8 in  
Front Panel Height 5U / 221mm / 8 3/4 in  
**Weight (net)** 36kg / 79.3 lb

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