

RB-1582MKII

CLASSIC STEREO POWER AMPLIFIER



2 x 200 Watts of
robust power



Class AB amplifier
design



Balanced XLR
inputs



High performance,
low ESR British slit foil
capacitors



12 volt trigger
input

Rotel's largest stereo amplifier at 200 watts per channel provides the massive current to drive the very largest hifi systems effortlessly. And like its smaller brother, the RB-1582MKII has been designed to excel at resolving the subtle details in music as well as supplying the brawn required for extremely dynamic passages. It is able to achieve this difficult dual requirement because of the meticulous attention paid to circuit design and parts selection.

The RB-1582 MKII's high-end performance begins with an extremely large toroidal transformer combined with a total of 60,000uF storage capacity in special "slit foil" capacitors to provide completely stable power to the output stage. Slit foil capacitors have the ability to

charge and discharge extremely quickly, thereby ensuring signal fidelity during orchestral crescendos or repetitive kick-drum impacts, for example. Both left and right channel construction are laid out in a mono block design (after the toroidal transformer) and all grounding is terminated in a star pattern on a copper grounding plate to ensure low signal to noise. The output stage is a discrete design that consists of 10 high current bipolar transistors per channel. Input options consist of both balanced XLR and unbalanced RCA connectors.

The RB-1582 stereo power amplifier is yet another outstanding example of Rotel's Balanced Design Concept and will form the heart of a very impressive stereo or home theater system for years to come.

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SPECIFICATIONS

Continuous Power Output (20-20kHz, < 0.03%, 8 ohms)	200 watts / channel
Total Harmonic Distortion (20Hz-20kHz, 8 ohms)	< 0.03%
Intermodulation Distortion (60Hz : 7kHz, 4:1)	< 0.03%
Frequency Response (μ 0.5dB)	10Hz - 100k Hz
Damping Factor (20-20,000Hz, 8 ohms)	800
Speaker Impedance	4 ohms minimum
Signal to Noise Ratio (IHF A network)	116 dB
Input Impedance / Sensitivity	
Unbalanced	12k Ohms / 1.9 volt
Balanced	100k Ohms / 3.0 volt
Gain	
Unbalanced	26.5 dB
Balanced	22.5 dB
Power Requirements	
U.S. version	120 Volts, 60 Hz
European version	230 Volts, 50 Hz
Power Consumption	550 Watts
BTU (4 ohm, 1 / 8 power)	1104 BTU / h
Dimensions	431 x 144 x 407 mm
Width x Height x Depth	17 x 5 ⁷ / ₈ x 16 ins.
Front Panel Height	3U / 132.6mm / 5 ¹ / ₄ ins
Weight (net)	17.6kg / 38.80 lbs

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