

M250 Monobloc Power Amplifier

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OVERVIEW

We tried to satisfy the home theatre market with the HTP, HT600 and DVD-1, but with little success. In retrospect, these were the wrong sort of products for Musical Fidelity. Our considered and thought-out response for a flexible home theatre + multi-channel + stereo and passive bi-amping system is the M250.

The M250 is a very high-quality, 250 watt monobloc power amplifier. It has a sophisticated trigger system which will accommodate any type currently in use. Also, it allows 'daisy-chaining' of the trigger output, so using more than one M250 will not use up all the trigger outputs from the processor.

The M250 also has a sophisticated music-sensing system which can be used in the absence of a trigger signal. Our music-sensing system will turn the M250 on within one second of sensing music, and it will stay on until 30 minutes after the last music signal was received. Because the M250's triggering and music-sensing systems are so advanced and complex, the M250 is easy to use in a home-theatre or multi-channel system.

For the audiophile, the M250 monobloc offers stunning performance. Powerful, clean, reliable and easy-to-use, the M250 is also designed to make passive bi-amping easy, using its line in and line out. To keep things tidy when bi-amping, the lid of the M250 is designed to so that a second M250 may sit on top.

The M250 is manufactured from the highest quality mil-spec aluminium extrusion, which has significant non-resonant properties.

FEATURES & BENEFITS

High power	Realistic and wide dynamic range
Low distortion	Clean, clean sound
Stackable	Can easily be stacked one on top of the other in multi-amp configurations

Loop out	Enables easy bi- or tri-amping
Sophisticated trigger circuit with trigger loop out	Will work from any processor's trigger output and any number of M250s will only use up one of the processor's trigger outputs
Standby/music sensing	If no trigger output is available, the M250 will automatically trigger (within one second) on music signal and turn off 30 minutes after the last music signal is received.

SPECIFICATIONS

Power output	250 Watts into 8 Ohms (24dBW) 450 Watts into 4 Ohms
Peak-to-peak output current	72 Amps
Damping factor	180
Output devices per channel	Six
Total Harmonic Distortion + Noise	0.006% at 1kHz up to 90% power, into 4 or 8 Ohms
Intermodulation distortion	0.004% at 12.5 Watts into 8 Ohms
Frequency response	20Hz to 20kHz +/-0dB 10Hz to 100kHz +0/-1.5dB
Audio gain	30dB (31.5 times) nominal
Input impedance	31KOhms
Input sensitivity for full power output into 8 Ohms	1.42 Volts
Signal / noise ratio, reference full power output	>115dB 'A' weighted
Input	One RCA connector
Outputs	One amplifier channel via two pairs of speaker binding posts. One RCA loop output socket.
Power requirements	100/115/230V AC, 50/60Hz (factory preset). 1000 Watts maximum into 8 Ohms load. 70 watts idle.
Dimensions	192 mm (7.6 inches) wide

125 mm (4.9 inches) high including feet
460 mm (18.1 inches) deep including
terminals.
