

MUSICAL FIDELITY

A308^{CR} Power Amplifier



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OVERVIEW

The A308^{CR} dual mono power amplifier is a killer. It's rated at 250 watts per channel, and can deliver blockbusting current, high voltage and, at the same time, it has incredibly low distortion over a very wide bandwidth and loading range.

Inside the A308^{CR} dual mono power amp is Musical Fidelity's latest circuitry, with a completely separate power supply for the output stage. The printed circuit board layout used new techniques that we have developed alongside the circuitry. As a result, the performance is almost unbelievable. For example, distortion at 40kHz is less than 0.01% (that's not a typo).

This amplifier has colossal headroom, slam and attack, and yet it is incredibly detailed and sweet. A particular quality of the A308^{CR} power amp is its extraordinary delicacy which, at first acquaintance, has the subtlety and pinpoint accuracy normally associated with small amplifiers. But the transient attack is something else again.

Many people have mistaken the A308^{CR}'s extraordinary cleanness for lack of power. This is because the massive power makes it nearly impossible to clip or over-drive the A308^{CR} power amp and, as it's always running easily, it will never produce any harsh sounds or unpredictable distortion patterns.

You must hear the A308^{CR} preamp and power amp pair to believe them -- they are truly amazing.

FEATURES & BENEFITS

New circuit Very low distortion over a very wide bandwidth, very wide stability margins and low feedback. Great sound.

Full choke regulation. Incredibly clean power supply lines because any mains interference is eliminated and, as a result, circuitry can operate at its optimum.

Dual Mono.	Better transient response and imaging. Also greater depth of field.
High power.	Realistic and wide dynamic range.
Low distortion and wide bandwidth.	Clean, clean sound.
Loop out.	Allows very easy passive bi-amping.
Two switchable inputs.	When the A308 ^{CR} power amp is connected to two systems at the same time, it is easy to switch between them.

SPECIFICATIONS

OUTPUT

Voltage RMS	45 Volts 20Hz to 20kHz
Peak	127 Volts
Power output, single or both channels driven	250 Watts per channel into 8 Ohms (24dBW). 450 Watts per channel into 4 Ohms.
Peak-to-peak output current	72 Amps
Damping factor	180
Output devices per channel	Six
Total Harmonic Distortion + noise	0.003% at 1kHz up to 90% power, into 4 or 8 Ohms. < 0.007% 10Hz to 40kHz at 12.5 Watts into 8 Ohms.
Intermodulation distortion	0.002% at 12.5 Watts into 8 Ohms.
Frequency response	20Hz to 20kHz \pm 0dB. 10Hz to 100kHz +0 / -1.5dB.
Channel separation	> 100dB 20Hz to 20kHz
Audio Gain	30dB (31.5 times) nominal

INPUT

Input impedance	31K Ohms
Input sensitivity for full power output into 8 Ohms	1.42 Volts
Signal / noise ratio, reference full power	> 124dB 'A'- weighted

output

Inputs 'A' - one pair RCA connectors, selectable from the front panel.
'B' - one pair RCA connectors, selectable from the front panel.

Outputs Two amplifier channels via two pairs of speaker binding posts per channel. One pair RCA loop output sockets.

Power Requirements 100/115/230V AC, 50/60Hz (factory preset).
1000 Watts maximum into 8 Ohms load. 70 Watts idle.

Dimensions 440 mm (17.3 inches) wide.
143 mm (5.6 inches) high including feet.
394 mm (15.5 inches) deep including terminals

Weight 23.5 kg (51.7 lbs) unit only, unboxed.
26 kg (57.2 lbs) in shipping carton.

Standard accessories IEC type mains lead.
