

## MC252 Power Amplifier



**“two channels of pure McIntosh power  
in a new shallow design  
for easier installation”**

The shallow depth of the MC252 makes it a snap to install in popular standard size cabinets or shelving. With 250 watts per channel at 0.005% maximum distortion across the entire audio spectrum, the MC252 delivers lots of clean power. The two channels of the MC252 can also be combined into a single high-power channel that delivers 500 watts into 1, 2, 4, 8 or 16 ohms.

McIntosh's exclusive output autoformers ensure that the amplifier will always deliver full power, without stress, to any type of loudspeaker. Whether your speakers are 2, 4, or 8 ohms, McIntosh autoformers ensure that you'll always get all of the power you paid for.

The MC252 incorporates Power Guard, a patented circuit design exclusive to McIntosh. Power Guard monitors output power and prevents clipping dynamically using photo-optic circuits. Protection at the speed of light.

**3D Glass Panel  
Output Autoformers  
Output Meters  
Power Guard®  
Sentry Monitor®  
Soft-Start Protection  
Fiber-Optic Lighting  
Balanced Inputs  
Mono Capability  
Remote Power Control**

POWER OUTPUT

*A Tradition of Excellence*



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## MC252 Power Amplifier

### WIDE BANDWIDTH

The latest digital recording techniques are easily accommodated by the wide 10-100,000Hz bandwidth of the MC252.

### ULTRA LOW NOISE AND DISTORTION

Distortion is so low it defies measurement, even with the finest distortion analyzers.

### POWER GUARD®

A waveform comparison circuit continuously monitors input and output signals. Detection of any difference triggers an optical circuit that operates at the speed of light to adjust the volume and prevent distortion.

### SENTRY MONITOR®

Helps prevent damage due to improper loads or accidental short circuits on speaker lines.

### OUTPUT WATTMETERS

Staying within the power limits of speakers is easy with the large, illuminated, peak-responding McIntosh wattmeters. A peak-hold option keeps this information visible for an extended time with slow decay time.

### MONO OPERATION

The two 250 watt channels may be combined into a single channel of 500 watts. McIntosh exclusive output autoformers allow this 500 watts to be delivered into 1, 2, 4, 8, or 16 ohm speakers.

### RMS POWER OUTPUT

250W min. (stereo) or 500W min. (mono and bi-amp parallel) sine wave continuous average power output from 20Hz to 20kHz.

### RATED POWER BAND

20Hz to 20kHz

### TOTAL HARMONIC DISTORTION

Maximum Total Harmonic Distortion at any power level from 250 milliwatts to rated power output is 0.005%.

### DYNAMIC HEADROOM

2.0dB

### FREQUENCY RESPONSE

20Hz to 20kHz, +0 / -0.25dB  
10Hz to 100kHz, +0 / -3dB

### INPUT SENSITIVITY

1.6V unbalanced  
3.2V balanced

### A-WEIGHTED SIGNAL-TO-NOISE RATIO:

112dB below rated output

### INTERMODULATION DISTORTION

Maximum Intermodulation Distortion if instantaneous peak output per channel does not exceed twice the rated output, for any combination of frequencies from 20Hz to 20,000Hz, with all channels operating is 0.005%.

### INPUT IMPEDANCE

10,000 ohms (unbalanced)  
20,000 ohms (balanced)

### OUTPUT LOAD IMPEDANCE

Terminals for 2, 4, or 8 ohms (stereo)  
Terminals for 4, 8, or 16 ohms (mono)  
Terminals for 1, 2, or 4 ohms (bi-amp parallel)

### WIDE BAND DAMPING FACTOR

Greater than 40

### POWER GUARD

Clipping is prevented and THD does not exceed 2% with up to 14dB overdrive at 1kHz.

### POWER REQUIREMENTS

120V, 50/60Hz, 6.6A

### OVERALL DIMENSIONS

#### (H x W x D including feet and knobs)

9-7/16" (23.97cm) x 17-1/2" (44.45cm) x 14-13/16" (37.62cm)

### WEIGHT

94-1/2 lbs. (42.87kg) net  
108-1/2 bs. (49.22kg) boxed

250 watts (stereo) or 500 watts (mono)

Balanced and unbalanced inputs

Exclusive McIntosh Output Autoformer®

Wide power bandwidth, low distortion

Exclusive McIntosh Power Assurance System

Illuminated Peak-Responding Wattmeters

Fiber optic light diffuser illumination for front panel nomenclature

Fanless convection cooling

Stainless steel chassis with super mirror finish

