

# MC252 POWER AMPLIFIER



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.

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

Exclusive McIntosh Power Assurance System

High Output Current Capability

Wide Bandwidth

Fiber-Optic Illuminated 3D Glass Front Panel

Mono Capability

# McIntosh®

LEGENDARY™



#### 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 lbs. (49.22kg) boxed

#### ADDITIONAL SPECIFICATION

DC Failure Protection

Thermal Sensors

Turn-on Delay

Soft Start Inrush Protection

Balanced and Unbalanced Inputs

Remote Power Control

Massive Gold Plated Output Binding Posts

Stainless Steel Chassis w/ Super Mirror Finish

## EXCLUSIVE MCINTOSH POWER ASSURANCE SYSTEM

A collection of technologies that enhance performance and reliability while protecting the amplifier and loudspeakers.

### POWER GUARD®

A waveform comparison circuit continuously monitors both input and output signals. Power Guard dynamically adjusts the input level to avoid clipping while preventing harsh sounding distortion.

### SENTRY MONITOR®

Fuse-less short-circuit protection circuit disengages the output stage before current exceeds safe operating level – resets automatically.

### OUTPUT AUTOFORMER®

Unique McIntosh technology delivers the full rated amplifier output with the least possible distortion into loudspeaker impedances of 2, 4, or 8 Ohms; you get all the power you paid for and the freedom to choose any loudspeaker.

### WATTMETER

Swift, accurate response reveals program peaks so staying within the power limits of your loudspeakers is easy.

### 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.

## FOR THE CONSUMER'S PROTECTION

In order to ensure the highest level of customer satisfaction, "new" McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer.

McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be "used" and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.

# McIntosh®

www.mcintoshlabs.com

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