

# McIntosh®

POWER AMPLIFIER

# MC-1000

...made in U.S.A.



# MC-1000 POWER AMPLIFIER

## FEATURES AND BENEFITS

### New Double Balanced Push Pull Design

The MC1000 amplifier is fully balanced from input to speaker output. Each half of the amplifier contains complementary balanced circuitry. The resulting double balanced configuration cancels virtually all distortion. This circuit is possible ONLY with the exclusive "McIntosh OUTPUT AUTOFORMER".

### Greater Than 160 Amperes Peak Output Current Capability

Some speaker designs may have input impedances that dip to 1 or 2 ohms at various frequencies. The MC1000 has the output current reserve to drive them. The amplifier can deliver more than 4,000 watts output on tone bursts.

### Over 400 Joules of Energy Storage

Huge main filter capacitors that guarantee an excellent signal-to-noise ratio and the energy storage necessary for the wide dynamic range that "Digital Audio" demands.

### Gold Plated High Current Output Terminals

McIntosh gold output terminals deliver full power output to speaker wires from 18GA to 4GA. You can connect directly to the wire. Special lugs or pins are not necessary. Single or Dual "BANANA" plugs may also be used.

### Power Guard

The MC1000 includes the exclusive patented McIntosh POWER GUARD circuit. This prevents the harsh sounds and possible speaker damage caused by amplifier overdrive and clipping.

### Thermal Protection

Thermal sensors turn off the AC power if improper loading or ventilation causes the amplifier to over heat.

### Balanced Input

Interconnecting cables can pick up interference from other equipment or

appliances. The balanced input on the MC1000 provides a minimum of 40dB (100 times) more protection against such noise pick up.

### Output Autoformer

The output autoformer provides proper matching for 2, 4 or 8 ohm loads. It protects your speaker from damage in the event of an output transistor failure, provides low distortion power transfer at frequencies well beyond human hearing and delivers peak output current in excess of 160 amperes.

### Turn On Delay

Prevents pops or thumps generated in other equipment from causing annoying noises or damaging your speakers.

### Silent Convection Cooling

There are more than 2,800 square inches of heat sink area, resulting in cool, safe operation. No fans are required.

## SPECIFICATIONS

### PERFORMANCE LIMITS

#### POWER OUTPUT

1000 watts into 8, 4 or 2 ohm loads, minimum sine wave continuous average power output.

The output RMS voltage is:

89.5 volts across 8 ohms

63.3 volts across 4 ohms

44.7 volts across 2 ohms

#### OUTPUT LOAD IMPEDANCE

8, 4 or 2 ohms

#### RATED POWER BAND

20Hz to 20,000Hz

#### TOTAL HARMONIC DISTORTION

0.005% maximum harmonic distortion at any power level from 250 milliwatts to rated power output.

#### IHF DYNAMIC HEADROOM

1.5dB

#### FREQUENCY RESPONSE

+0, -0.25dB from 20Hz to 20,000Hz

+0, -3.0dB from 10Hz to 100,000Hz

#### INPUT SENSITIVITY

2.5 volts

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

Balanced, 90dB (120dB below rated output)

Unbalanced, 85dB (115dB below rated output)

#### INTERMODULATION DISTORTION, SMPTE

0.005% maximum if instantaneous peak power output does not exceed twice the output rating.

#### RATINGS

#### WIDE BAND DAMPING FACTOR

Greater than 200 at 8 ohm output

#### INPUT IMPEDANCE

10,000 ohms

#### POWER GUARD

Clipping is prevented and THD does not exceed 2% with up to 14dB overdrive at 1000Hz.

#### POWER REQUIREMENTS

120 volts 50/60Hz, 12 amperes UL/CSA

#### MECHANICAL

##### SIZE

17 1/2 inches (44.5cm) wide, by 10 1/16 inches (25.6cm) high (including mounting feet), by 19 5/16 inches (49cm) deep, including front handles.

##### FINISH

Front panel is glass with gold/teal nomenclature illumination. Handles and side pieces are gold and black anodized aluminum. The chassis is chrome.

##### WEIGHT

105 pounds (47.7Kg) net, 118 pounds (53.5Kg) in shipping carton.

Franchised Dealer:



McINTOSH LABORATORY INC.  
2 CHAMBERS ST., BINGHAMTON, NY 13903-2699  
607-723-3512