

# McIntosh<sup>®</sup>

STEREO POWER AMPLIFIER

## MC 7150 . . . made in U.S.A.



# MC 7150 STEREO POWER AMPLIFIER

## FEATURES AND BENEFITS

### High Output Current

A maximum of 55 amperes peak output current per channel is available. This allows the MC7150 to successfully drive uneven speaker loads that may dip way below their nominal impedance at certain frequencies.

### Ultra Low Distortion

The distortion levels are so low that exact measurements are difficult with even the finest distortion analyzers. The performance limit is 0.005%, but the MC7150 will typically read as low as 0.002% at mid frequencies into an 8 ohm load. Distortion this low allows reproduction of digital music sources such as the Compact Disc, with incredible clarity.

### McIntosh Power Guard

The MC7150 includes the exclusive McIntosh patented POWER GUARD circuit. This circuit prevents the harsh

sounds and possible speaker damage caused by amplifier overdrive and clipping.

### McIntosh Output Autoformer

The unequalled expertise of McIntosh in the design and manufacture of output Autoformers is legendary in the high fidelity industry. In the MC7150 they provide proper impedance matching for 2, 4, and 8 ohm loads, with distortion free power transfer at all audio frequencies from below 20Hz to beyond 20,000Hz. The very low DC resistance of the Autoformer also protects speakers from potential damage in the rare event of an internal circuit failure.

### Illuminated, Peak Responding, Output Wattmeters

The MC7150 includes "TRUE POWER" reading OUTPUT WATTMETERS. The MC7150 meter circuit measures both

voltage and current, multiplies them, and displays the true power output of the amplifier. The meter circuit also accelerates the pointer action and time stretches short signal pulses to respond 95% full scale with only a single cycle of a 2000Hz tone burst.

### Turn On Delay

The MC7150 includes a circuit that delays amplifier operation for about 2 seconds after turn on. You will not hear any turn on transients that might be generated by other equipment used in the system.

### Protection Circuits

The MC7150 includes seven different protection circuits to enhance its performance, assure its reliability and protect loudspeakers. These circuits in no way compromise the sonic performance of the amplifier.

## SPECIFICATIONS

### PERFORMANCE LIMITS

#### STEREO POWER OUTPUT

150 watts into 8, 4, or 2 ohm loads, minimum sine wave continuous average power output per channel, both channels operating.

The output RMS voltage is:  
34.7 volts across 8 ohms  
24.5 volts across 4 ohms  
17.3 volts across 2 ohms

#### OUTPUT LOAD IMPEDANCE

STEREO: 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

1.8dB

#### FREQUENCY RESPONSE

+0, -0.25dB from 20 Hz to 20,000Hz  
+0, -3.0dB from 10Hz to 100,000Hz

#### INPUT SENSITIVITY

14 volts, (2.5 volts at gain control center detent)

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

88dB (110dB 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 40

#### INPUT IMPEDANCE

20,000 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, 7 amperes UL/CSA

### MECHANICAL

#### SIZE

Front Panel: (Wide Model) 17 1/2 inches (44.5cm) wide, (Regular Model) 16 1/8 inches (41cm) wide, by 5 3/8 inches (13.7cm) high. Depth behind mounting panel including clearance for connectors, 15 1/4 inches (38.7cm). Knob clearance required in front of the mounting panel is 1 1/4 inches (3.2cm).

#### FINISH

Glass with special gold/teal nomenclature illumination. Chassis and chassis cover are black.

#### WEIGHT

58 pounds (26.3Kg) net, 72.5 pounds (32.9Kg) in shipping carton.

