

# McIntosh

## MC 2105

### SOLID STATE STEREO AMPLIFIER

**PERFORMANCE**—New Leadership in High Power-Low Distortion Amplification.

**RELIABILITY**—New Leadership in Consistent Performance and Long Term Protection.

**APPEARANCE**—New Leadership in Conservative Styling that predicts a long design life.

**PROTECTION**—Continued Leadership in Customer Protection with the Exclusive McIntosh Three Year Factory Service Contract.

**GUARANTEE**—Same old McIntosh Leadership in guarantees, only McIntosh guarantees manufacturing, workmanship and in addition, the performance of this instrument to be as advertised. No one ELSE will make such a guarantee.

# There's a Dramatic Difference in music heard through a

## McIntosh MC 2105

You will hear music as never before! New performance standards have been set by the new innovations in Solid State development by McIntosh. Hear new beauty and subtle delicate passages of music that until now have been clouded by lower performance standards.

### McINTOSH ENGINEERING MAKES THE STARTLING DIFFERENCE

#### 1. FIRST SOLID STATE POWER AMPLIFIER WITH FULL POWER OF 105 WATTS PER CHANNEL AT ALL SPEAKER IMPEDANCES OF 4, 8, AND 16 OHMS.

The new McIntosh model MC 2105 matches any speaker impedance of 4, 8, or 16 ohms with full rated power. The newly designed McIntosh unity coupled autoformer provides proper matching for all speakers or crossover networks. The autoformer provides optimum speaker damping for precise control of overshoot and maximum clean bass response. Damping factor is greater than 18 at 4 ohms, greater than 13 at 8 ohms, greater than 10 at 16 ohms.

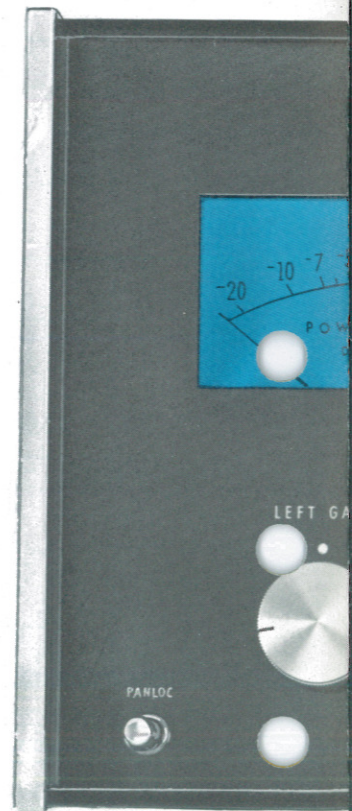
#### 2. FIRST SOLID STATE POWER AMPLIFIER USING PRECISION CALIBRATED OUTPUT LEVEL METERS.

The CALIBRATED POWER LEVEL METERS provide continuous indication of how much power is being delivered to the speakers. The meter can be used for measuring other elements of your stereo system. These are not ordinary meters. McIntosh has again led with a new concept in a meter circuit design.

Normal meter operation is frequency discriminating. Not so the McIntosh POWER MONITOR METERS. Careful engineering has produced peak locking meters with a "TIME STRETCHING CIRCUIT" that permits the meter to follow peak program material with an accuracy better than 2%. You can now know the complete performance of your music system.

#### 3. FIRST SOLID STATE POWER AMPLIFIER WITH McINTOSH "PANLOC" FRONT PANEL MOUNTING.

The McIntosh MC 2105 mounts conveniently in a panel with "panloc" mounting shelves.



#### 4. FIRST SOLID STATE BASIC POWER AMPLIFIER WITH McIntOSH "PERFORMANCE RELIABILITY" SENSOR CIRCUITS.

New McIntosh "performance reliability" sensing circuits assure constant year-to-year performance of your solid-state amplifier under all types of use conditions. Instantaneous electronic sensing of amplifier output and load conditions rigidly maintains top amplifier performance. There are no fuses in speaker line to worry with and no special hookup caution needed. A thermal-sensing unit on each oversized heat sink gives additional reliability control.

#### 5. GUARANTEED LESS THAN ¼ of 1% TOTAL HARMONIC OR INTERMODULATION DISTORTION.

The new McIntosh solid-state MC 2105 is guaranteed to deliver 105 watts per channel both channels operating with harmonic distortion less than ¼ of 1% from 20 Hz to 20,000 Hz. Typical performance is less than 1/10 of 1% harmonic distortion at 105 watts both channels operating. Intermodulation

distortion remains below ¼ of 1% at rated power using any combination of frequencies from 20 Hz to 20,000 Hz.

Best of all—the performance of the MC 2105 is backed by the exclusive McIntosh performance guarantee. Your MC 2105 must be capable of performing as advertised or you will get a cash refund of your purchase price. In addition McIntosh offers a FREE THREE YEAR FACTORY SERVICE CONTRACT. You can't pay for the repair of your McIntosh instrument for THREE FULL YEARS!



**COMPLETE PROTECTION!**



# SPECIFICATIONS for McIntosh MC 2105

## MC 2105 ELECTRICAL SPECIFICATIONS:

### POWER OUTPUT:

210 watts RMS continuous power stereo, 105 watts per channel. Both channels operating into 4 ohms, 8 ohm or 16 ohm loads.

### HARMONIC DISTORTION:

Less than 0.25% at rated power output from 20 Hz to 20 kHz. Both channels operating. Distortion typically measures less than 0.1%. Distortion decreases as output power is reduced.

### INTERMODULATION DISTORTION:

Less than 0.25% for any combinations of frequencies between 20 Hz and 20 kHz at 210 peak watts output per channel or at any level less than 210 peak watts per channel. Both channels operating.

### FREQUENCY RANGE:

At rated output both channels operating  $\pm 0, - .25\text{db}$  20 Hz through 20 kHz

### OUTPUT IMPEDANCE

4 ohm, 8 ohm, and 16 ohm. Full rated power output is provided at each output tap. The 8 ohm output will provide 25 volts RMS for constant voltage multiple speaker distribution lines.

### OUTPUT DAMPING FACTOR:

Greater than 18 at 4 ohms  
Greater than 13 at 8 ohms  
Greater than 10 at 16 ohms

### INPUT SENSITIVITY AND IMPEDANCE:

0.5 volts will produce rated power output; a gain control is provided for each channel allowing independent adjustment of amplification in each channel. Input impedance is 200,000 ohms.

### HUM AND NOISE:

Greater than 90db below rated output.

### OUTPUT POWER MONITOR METER:

Meter is calibrated to read 0db when amplifier produces rated output. Meter range switch is provided to increase meter sensitivity by 10db or 20db.

### HEADPHONE OUTPUT:

Designed for low impedance headphones.

### CONTROLS:

Power on-off switch, speaker on-off switch, left gain, right gain, meter range switch.

### SPECIAL FEATURES:

The amplifier is completely stable when connected to any loudspeaker system or reactive loads. The MC 2105 has special circuitry to prevent damage by inadvertent or intentional short circuit or open circuit of the output loads, or by any amount of the output impedance mismatch. Thermal cutouts are mounted on the output transistor heat sinks to provide protection in the event of inadequate ventilation.

### SEMICONDUCTOR COMPLEMENT:

34 silicon transistors  
18 silicon rectifiers and diodes

### POWER REQUIREMENTS:

117 volts AC 50-60 cycles, 90 watts, at zero signal output, 430 watts at rated output.

## MC 2105 MECHANICAL SPECIFICATIONS:

**SIZE:** Front panel, 16 $\frac{3}{4}$ " wide by 7 $\frac{1}{8}$ " high; chassis 14 $\frac{7}{8}$ " wide by 6  $\frac{9}{16}$ " high by 14 $\frac{1}{2}$ " deep, including connectors. Clearance in front of mounting panel including knobs, 1 $\frac{1}{2}$ ".

**FINISH:** Front Panel: Anodized gold and black.

**CHASSIS:** Chrome and black.

**MOUNTING:** Convenient, professional PANLOC.

**WEIGHT:** 65 lbs. net, 80 lbs. in shipping carton.

FRANCHISED DEALER

*Stereo - Sound - Shop - Ltd.*

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Made in U.S.A.

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