

McIntosh

MC 2505

SOLID STATE STEREO AMPLIFIER

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Archiv Michael Otto
HiFi-Classic.de

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

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

APPEARANCE—New Leadership in Conservative, Predicted Styling for 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, McIntosh not only Guarantees manufacturing and workmanship but also Guarantees to be as advertised. No one ELSE will make such a guarantee.

There's a Dramatic Difference in music heard through a

McIntosh MC 2505

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 50 WATTS PER CHANNEL AT ALL SPEAKER IMPEDANCES OF 4, 8, AND 16 OHMS.

The new McIntosh model MC 2505 matches any speaker impedance of 4, 8, or 16 ohms with full rated power. The newly designed McIntosh unity coupled auto former provides proper matching for all speakers or cross-over networks. The auto former provides optimum speaker damping for precise control of overshoot and maximum clean bass response. Damping factor is Greater than 25 at 4 ohms, greater than 40 at 8 ohms, greater than 11 at 16 ohms.

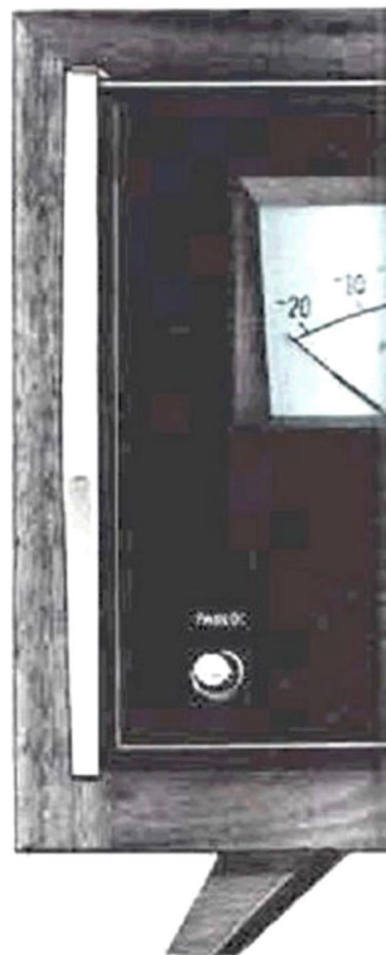
2. FIRST SOLID STATE POWER AMPLIFIER USING PRECISION CALIBRATED OUTPUT LEVEL METERS.

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 2505 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 $\frac{1}{4}$ of 1% TOTAL HARMONIC OR INTERMODULATION DISTORTION.

The new McIntosh solid-state MC 2505 is guaranteed to deliver 50 watts per channel simultaneously with harmonic distortion less than $\frac{1}{4}$ of 1% from 20 cps to 20,000 cps. Typical performance is 1/10 of 1% distortion at 60 watts per channel, and $\frac{1}{4}$ of 1% at 50 watts per channel from 13 cps to 35,000 cps. Intermodulation distortion remains below $\frac{1}{4}$ of 1% at rated power using any combination of frequencies from 20 to 20,000 cps.

Best of all—the performance of the MC 2505 is backed by the exclusive McIntosh performance guarantee. Your MC 2505 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!

THAT IS COMPLETE PROTECTION!

McIntosh MC 250



All operating characteristics of the MC 2505 are identical in the MC 250. The front panel and meter circuits have been eliminated to permit installation as a replacement amplifier in an existing installation or in a cabinet that has limited space.



SPECIFICATIONS for McIntosh MC 2505 and MC 250

MC 2505 ELECTRICAL SPECIFICATIONS:

POWER OUTPUT:

100 watts RMS continuous power stereo, 50 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 cps to 20KC. 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 cps and 20KC at 100 peak watts output per channel or at any level less than 100 peak watts per channel. Both channels operating.

FREQUENCY RANGE:

At rated output both channels operating
+0, - .25db 20 cps through 20KC
+0, - 3db 10 cps through 100KC

OUTPUT IMPEDANCE:

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

OUTPUT DAMPING FACTOR:

Greater than 25 at 4 ohms
Greater than 40 at 8 ohms
Greater than 11 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:

Design for phones with impedance from 4 ohms to 600 ohms.

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. Neither the MC 2505 or the MC 250 will be damaged 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:

28 silicon transistors
32 silicon rectifiers and diodes

POWER REQUIREMENTS:

117 volts AC 50-60 cycles, 75 watts at zero signal output, 250 watts at rated output.

MC 2505 MECHANICAL SPECIFICATIONS:

SIZE: Front panel, 16" wide by 5 $\frac{1}{16}$ " high; chassis 15" wide by 4 $\frac{1}{2}$ " high by 13" 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: 38 pounds net, 53 pounds in shipping carton.

MC 250 MECHANICAL SPECIFICATIONS:

SIZE: 7 $\frac{1}{16}$ " high, 10 $\frac{5}{8}$ " wide, 15 $\frac{5}{8}$ " deep.

CHASSIS: Chrome and black.

WEIGHT: 35 pounds net, 40 pounds in shipping carton.

FRANCHISED DEALER

McIntosh LABORATORY INC.

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Made in U.S.A.
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