

McIntosh MA 6100

THE FINEST PRE-AMP-POWER AMPLIFIER COMBINATION

... Outstanding versatility in selection of inputs and outputs for multiple tape recording and monitoring. You can even duplicate tapes from one recorder to another while listening to yet a different program source such as records or tuner.

... Main and Remote speaker switching from the front panel.

... Reproduces music accurately with less than 0.2% distortion from 20 Hz to 20,000 Hz at full continuous 70 watts RMS per channel, both channels operating into 8 ohms.

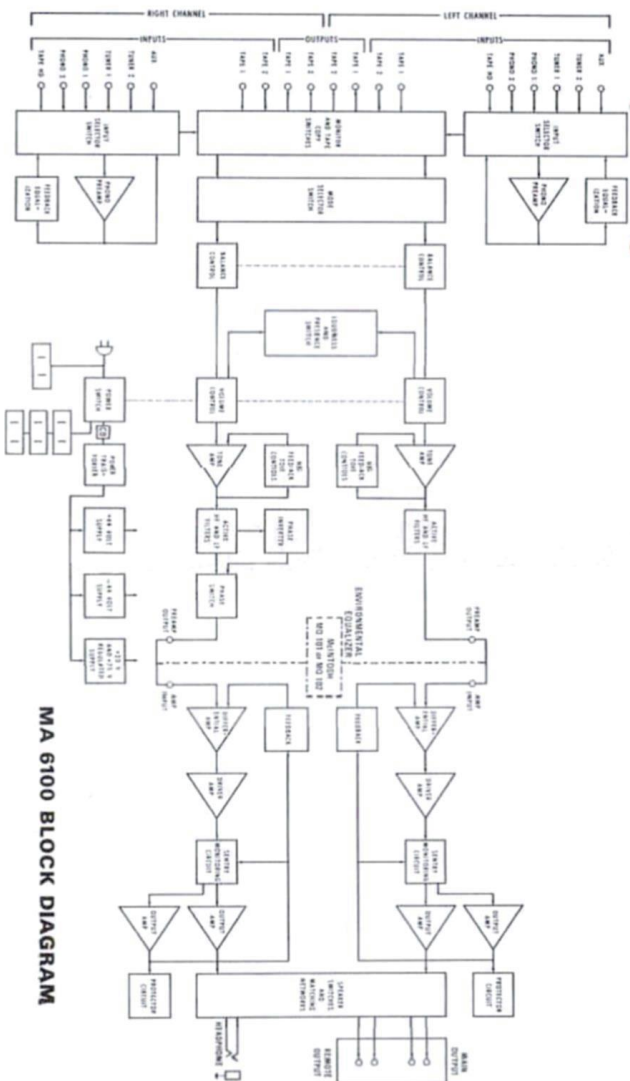
... "Sentry Monitoring" of the output transistors is a McIntosh-patented electronic protection circuit that really protects.

... Special McIntosh designed output electronic clamping circuit completely protects speakers from possible DC current damage.

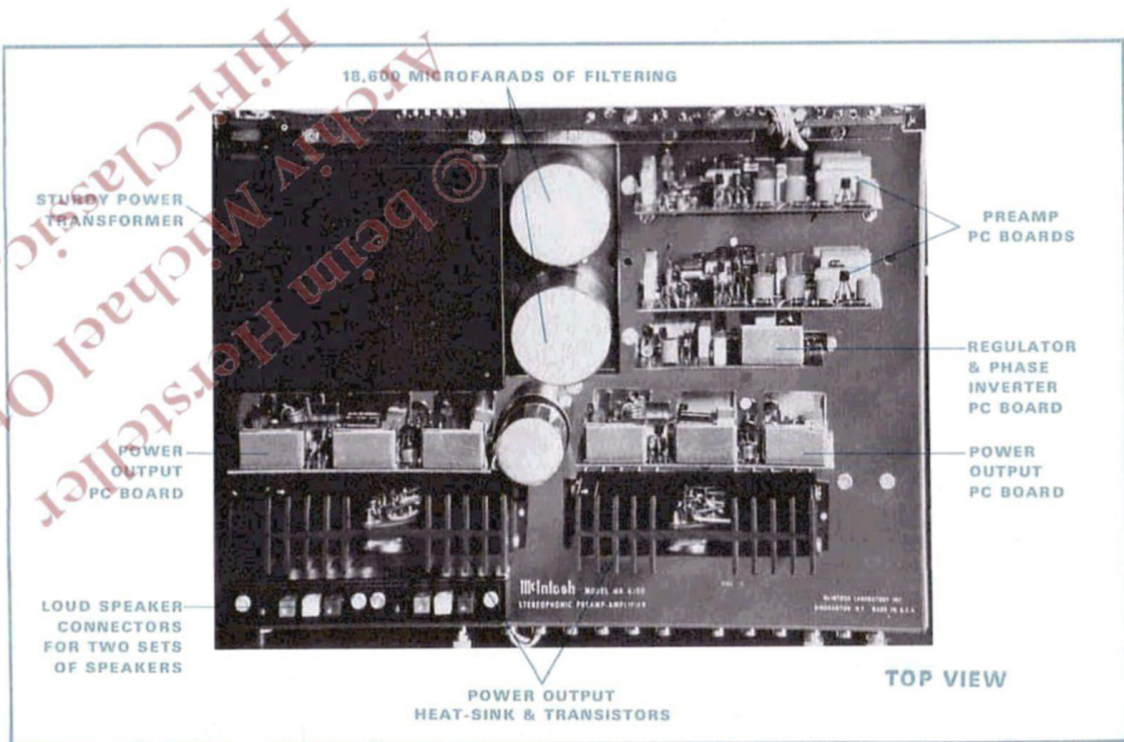
... Silicon Rectifier power supplies, including one electronically regulated, insure maximum stability on both steady state and transient program material.

... 18,600 microfarads of filter capacity is used in the main positive and negative power supplies. This assures minimum impulse distortion and full power at the lowest frequencies.

... Fully Direct-Coupled, quasi-complementary output circuit for low distortion and long term durability.

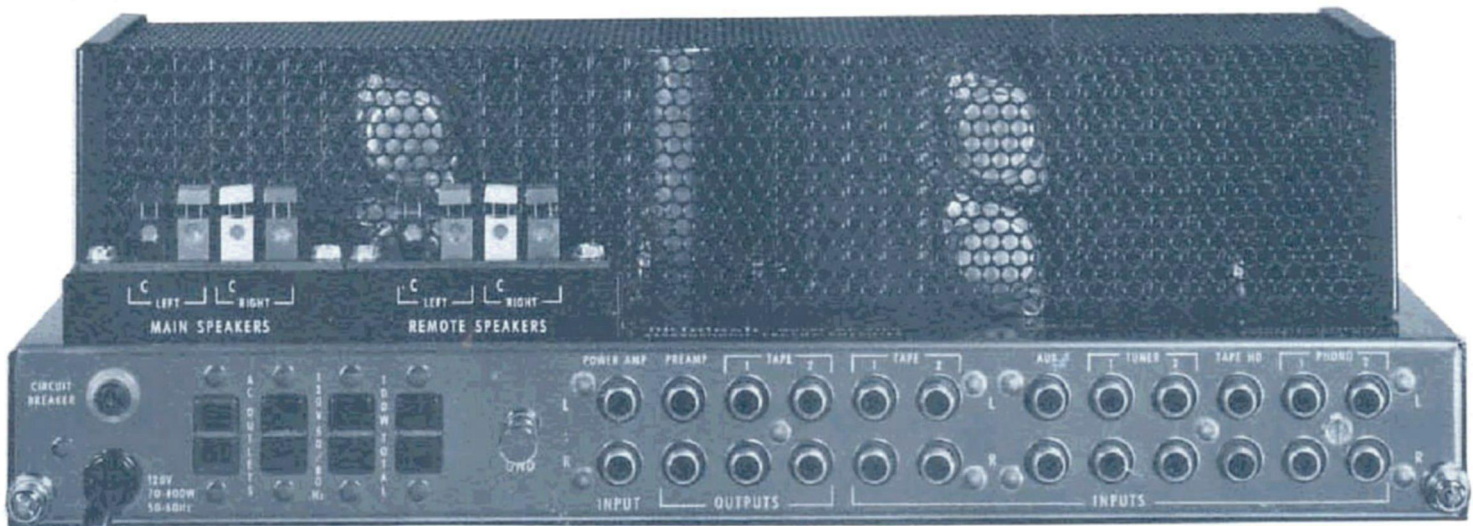


MA 6100 BLOCK DIAGRAM



- Why You Should Buy McIntosh**
- McIntosh instruments are designed and manufactured for long life. McIntosh instruments have always been designed for long life with low maintenance costs and high quality performance. McIntosh instruments have been and are the LABORATORY STANDARD for the world. Until 1949 the performance requirements for a McIntosh had long been an engineering dream. They became a reality with the introduction of the first McIntosh amplifier. Through all these years McIntosh has produced instruments that have exceptionally long life. Regardless of age, most McIntosh instruments are still in use today. Amplifier clinics held all over North America have shown that most of the McIntosh instruments ever manufactured are still in service today and still meet or exceed original exacting requirements for performance that were required of them when new.
 - Used McIntosh instruments enjoy the highest resale value in this field. Retailers report that customers are constantly searching for used McIntosh instruments. A McIntosh does not remain on the "Used" display long. You'll get more when you trade-in your McIntosh assuring you of maximum return on your investment. McIntosh dedication, not only to improvements, but also to fundamentals, has justified many patents on refinements as well as basic circuit structures.
 - The size of the McIntosh investment in professional testing instruments bears eloquent testimony to the commitment to acquire knowledge for the benefit of our customers. On a percentage basis McIntosh probably invests more of its sales dollars in testing facilities than anyone else in a like business. As new testing instruments are produced that update the McIntosh ability to know, McIntosh invests in them . . . wave form analyzers—real time analyzers—low distortion signal generators, etc. Only through this impressive investment, through continuous testing and research, through product analysis, and endless measurement can McIntosh promise and deliver to you reliability, long life, performance, highest value and freedom from service.
 - Since its beginning in 1949, McIntosh Laboratory has had the same ownership and management. McIntosh is the only company in this industry that has had this kind of history. McIntosh has been and is still dedicated to the best possible values. Doesn't it make good sense to deal with a company that wants to do as much for you as it possibly can?

MA 6100 Here is performance once associated only with separate preamps and power amps



PERFORMANCE GUARANTEE - Performance limits are the maximum deviation from perfection permitted for a McIntosh instrument. We promise you that the MA 6100 you buy must be capable of performance at or exceeding these limits or you get your money back. McIntosh is the only manufacturer that makes this guarantee.

POWER OUTPUT

70 watts minimum sine wave continuous average power output, per channel, both channels operating into 8 ohms load impedance which is:

23.7 volts RMS across 8 ohms

40 watts minimum sine wave continuous average power output, per channel, both channels operating into 16 ohms load impedance which is:

25.3 volts RMS across 16 ohms

OUTPUT LOAD IMPEDANCE

8 ohms or 16 ohms

RATED POWER BAND

20 Hz to 20,000 Hz

TOTAL HARMONIC DISTORTION

0.2% maximum harmonic distortion at any power level from 250 milliwatts to rated power per channel from 20 Hz to 20,000 Hz, both channels operating

INTERMODULATION DISTORTION: Will not exceed 0.2% if instantaneous peak power output is twice rated power or less per channel with both channels operating for any combination of frequencies 20 Hz to 20,000 Hz.

DAMPING FACTOR: 50 at 8 ohms, 100 at 16 ohms.

FREQUENCY RESPONSE: 20 Hz to 20,000 Hz ± 0.5 dB at rated power.

INPUT SENSITIVITY: Auxillary, Tape, and Tuner: 300 mV, Phono 1 and Phono 2: 2.5 mV at 1,000 Hz; Tape Head: 3 mV at 500 Hz. Power Amplifier: 3 volts.

INPUT IMPEDANCE: Auxillary, Tape and Tuner: 250,000 ohms; Phono 1 and Phono 2: 47,000 ohms; Tape Head: 500,000 ohms; Power Amplifier: 100,000 ohms.

TOTAL HUM AND NOISE: Auxillary, Tape and Tuner: 90 dB below rated power output. Phono and Tape Head: 76 dB below rated output when adjusted for 10 mV input at 1,000 Hz Power Amplifier: 95 dB

below rated power.

TAPE OUTPUT: Auxillary, Tape and Tuner: 300 mV with rated input. Phono: 300 mV with rated input; 1.2 volts with 10 mV input at 1,000 Hz. Tape Head: 300 mV at 500 Hz with rated input.

BASS CONTROLS: +16 dB to -16 dB at 20 Hz.

TREBLE CONTROLS: +16 dB to -16 dB at 20,000 Hz.

LF FILTER: 12 dB per octave rolloff below 50 Hz; 20 dB down at 20 Hz.

HF FILTER: 12 dB per octave rolloff above 7,000 Hz; 20 dB down at 20,000 Hz.

SEMICONDUCTOR COMPLEMENT: 36 Silicon Transistors, 22 Silicon Rectifiers and Diodes, 2 Silicon Bilateral Switches, 2 Triac.

POWER REQUIREMENTS: 120 volts, 50/60 Hz, 70 watts at zero signal output, 400 watts at rated output.

FACILITIES AND FEATURES

COMPENSATION SWITCH: Three position switch for FLAT, LOUDNESS, or PRESENCE; LOUDNESS boosts low frequencies for low listening. PRESENCE boosts mid frequencies 4 dB to increase "present effect."

VOLUME CONTROL: Precision "tracked" at all listening levels. (0 to -65 dB). Does not change stereo balance if loudness is changed.

TAPE INPUT/MONITOR SWITCHES: Either of two tape recorders can be played or monitored.

TAPE COPY SWITCH: Two tape recorders can be connected to copy from tape machine 1 to tape machine 2 or vice versa.

HEADPHONE JACK: For listening with low impedance dynamic stereo headphone.

MECHANICAL INFORMATION

SIZE: Front panel measures 16 inches wide (40.64 cm) by 5-7/16 inches high (13.81 cm). Chassis measures 15 inches wide (38.1 cm) by 13 inches deep (33.02 cm), including PANLOC shelf and back panel connectors. Knob clearance required is 1-1/2 inches (3.81 cm) in front of mounting panel.

WEIGHT: 34 pounds (15.42 kg) net, 46 pounds (20.87 kg) in shipping carton.

FINISH: Front panel: Anodized gold and black with special gold/teal panel nomenclature illumination. CHASSIS: Chrome and black.

MOUNTING: McIntosh developed professional PANLOC.



PERFORMANCE

McIntosh audio power ratings are in accordance with the Federal Trade Commission Regulation of November 4, 1974 concerning power output claims for amplifiers used in home entertainment products.

Franchised Dealer

McIntosh

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Design and Price subject to change without notice.

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