

MA 6200

McIntosh

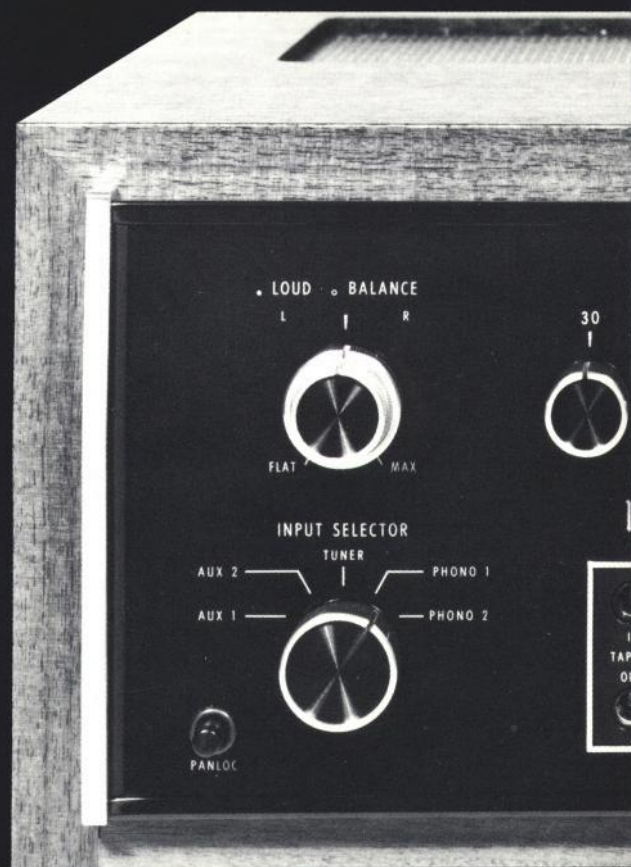
MA 6200

A FEATURE PACKED
INTEGRATED AMPLIFIER
BY McINTOSH
THE WORLD LEADER
IN HIGH FIDELITY STEREO



MA 6200 MA 6200 INTEGRATED AMPLIFIER SHOWN
IN OPTIONAL WALNUT VENEER CABINET

The **MA 6200** is another fine expression of stereo engineering and craftsmanship by McIntosh. The flexibility and high performance found in the MA 6200 are a result of direct customer contact, continued market analysis and aggressive, advanced research. The McIntosh reputation for excellence in performance, flexibility, quality and reliability comes from extensive testing leading to the careful selection of materials and circuit components combined with dedicated craftsmanship.



Look at the great number of ways you can enjoy the MA 6200

MA 6200 DIVERSIFIED FEATURES

1. YOU CHOOSE FROM SEVEN DIFFERENT PROGRAM SOURCES

The input switch selects from five different sources or you can choose to listen to either of two tape recorders at the push of a button.

2. PRECISION STEP ATTENUATOR VOLUME CONTROL

Ideal volume control tracking accuracy and noise free performance are two of the considerable benefits of the McIntosh Precision Step Attenuator. It is a thirty-two step, 70 dB range control with unheard of tracking accuracy within 1 dB. The extreme accuracy is obtained through special electronically controlled resistance element trimming. The accuracy and quiet operation are maintained because the switch commutator touches, only the switch contact pad and not the precision resistor elements.

3. TRUE LOUDNESS COMPENSATION

In the past, loudness controls have typically used simple passive circuits connected to a portion of the rotation range of the volume control. As a consequence, loudness compensation accuracy was dependent on many variables such as speaker efficiency, amplifier gain and differences in input level. The MA 6200 loudness

control is continuously variable, operates independently of the volume control, and its contour is accurately modeled after the Fletcher Munson family of "Equal Loudness" curves.

4. FIVE BAND PROGRAM EQUALIZER

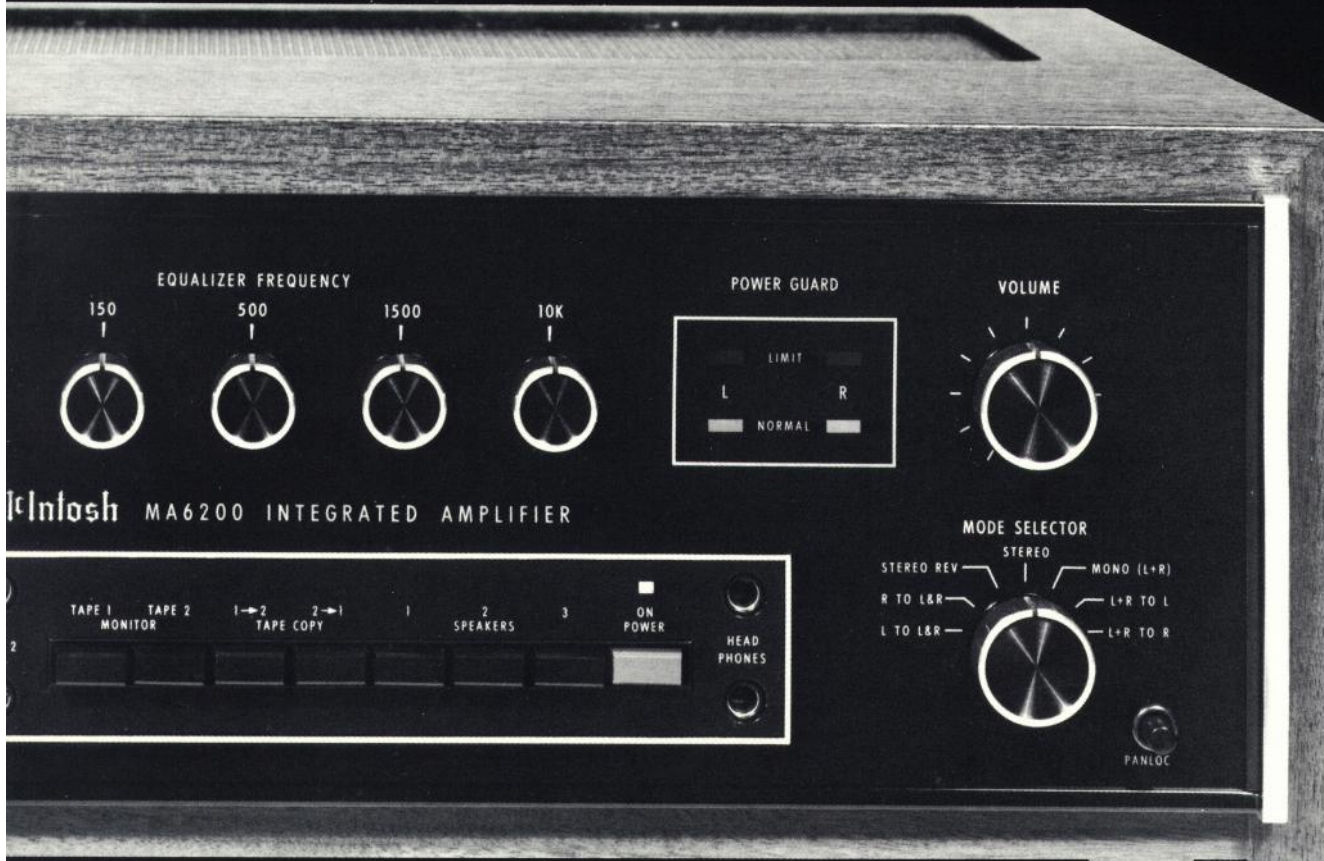
Five separate controls permit individual musical spectra shaping in two octave segments to satisfy personal preference or program limitations. There is 12 dB plus or minus control at center frequency of the individual segments. The center frequencies are 30, 150, 500, 1500 and 10,000 Hz.

5. DUAL TAPE MONITOR AND TAPE COPY SWITCHES

Two tape recorders can record simultaneously from the program being listened to or you may record from one to the other without interfering with the "Listen" program.

6. POWER GUARD INDICATOR AND PROTECTION CIRCUIT

Two red power guard indicators indicate when the power amplifier has reached full output. At this point the power guard circuit begins to control amplification dynamically so that you will not hear the harsh distorted sound of square wave clipping. In addition your speakers are protected from burnout.



7. VERY LOW IMPEDANCE PHONO PREAMPLIFIER

A new state of the art technology operational amplifier is arranged in a low impedance circuit to reduce noise to the lowest achievable level. The circuit follows the RIAA equalization curve.

8. PREAMP OUTPUT - POWER AMP INPUT CONNECTIONS

Back panel connections provide the ability to insert room equalizers, reverberation units or other signal processing devices.

9. LOW NOISE HIGH PERFORMANCE OP-AMPS

New technology low noise operational amplifiers give lower noise and greater band width than conventional devices.

10 ELECTRONIC ACTIVE FILTER ELEMENTS

"Active filter" technology is used to generate the equivalent of the inductors normally used in equalizer filters. This eliminates the hum pickup or inductance non linearity that often occurs from conventional inductors.

11. "LED" FUNCTION INDICATORS

System status is indicated by long life "LED" indicators.

12. TURN-ON TRANSIENT ELIMINATION CIRCUITS

Speaker outputs are connected only after power supplies and circuits have stabilized eliminating turn on thumps or clicks.

13. HARMONIC DISTORTION

Harmonic distortion does not exceed 0.05% when measured from the phono input to the speaker output from 20 Hz to 20 kHz at all power levels from 250 mW to full rated output.

14. AUTO TURN ON/TURN OFF

Power to the entire stereo system can be controlled from either the front panel power switch or the turntable's power switch. A current sensing relay connected to the turntable AC power outlets is controlled by the turntable power switch. The relay, in turn, controls the AC power to the remainder of the system.

15. SPEAKER SWITCHES FOR THREE SETS OF SPEAKERS

Three sets of loudspeakers may be used one at a time, two together, or all three simultaneously.

16. SPEAKER PROTECTION CIRCUITS

Loudspeakers are protected from burnout by the Power Guard circuit and also by other circuits that instantaneously disconnect the speakers in the event of the presence of DC on the output.

MA 6200 PERFORMANCE LIMITS

THE McINTOSH PROMISE OF PERFORMANCE

We promise you that the MA 6200 you buy must be capable of performance at or exceeding these limits at the time of purchase or you get your money back. McIntosh PERFORMANCE LIMITS are the **maximum departure from perfection** permitted for a McIntosh instrument.

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.

POWER OUTPUT

100 Watts minimum sine wave continuous average power output per channel, both channels operating into 4 ohms, 20 Hz to 20 kHz, with no more than .05% total Harmonic Distortion.

75 Watts minimum sine wave continuous average power output per channel, both channels operating into 8 ohms, 20 Hz to 20 kHz, with no more than .05% total Harmonic Distortion.

OUTPUT LOAD IMPEDANCE

4 ohms, 8 ohms.

RATED POWER BAND

20 Hz to 20 kHz

TOTAL HARMONIC DISTORTION

.05% maximum at any power level from 250 milliwatts to rated power per channel, 20Hz to 20kHz, both channels operating.

INTERMODULATION DISTORTION

.05% maximum at any power level from 250 milliwatts to rated power per channel with both channels operating for any combination of frequencies 20 Hz to 20 kHz.

FREQUENCY RESPONSE

20 Hz to 20 kHz +0, -0.5 dB at rated power

HUM AND NOISE

Power Amp: 105 dBA, 100 dB unweighted, below rated output
Tape & Aux Input: 100 dBA, 95 dB unweighted, below rated output
Phono Input: 85 dBA, 80 dB unweighted, below 10 mV input

RATINGS

DAMPING FACTOR

Greater than 30

INPUT SENSITIVITY AND IMPEDANCE

Power Amp:	2.5 Volts	22,000 ohms
Tape & Aux:	250 mV	100,000 ohms
Phono:	2 mV	47,000 ohms, 100pf

TAPE OUTPUT

Aux, Tape: 250 mV with rated input
Phono: 250 mV with rated input

PROGRAM EQUALIZER

± 12 dB at 30, 150, 500, 1,500, and 10,000 Hz

GENERAL INFORMATION

SEMICONDUCTOR COMPLEMENT

42 Transistors
13 Integrated Circuits
25 Diodes
1 Silicon Controlled Rectifier

AC POWER OUTLETS

2 Automatic current sensing (green)
3 Switched (black)

POWER REQUIREMENT

120 Volts, 50/60 Hz, 0.5 to 4 amps (50 to 400 watts)

MECHANICAL INFORMATION

SIZE: Front Panel measures 16 inches wide (40.6 cm) by 5 7/16 inches high (13.8 cm). Chassis measures 14 3/4 inches wide (37.5 cm) by 4 13/16 inches high (12.2 cm) by 13 inches deep (33.0 cm), including PANLOC shelf and back panel connectors. Knob clearance required is 1 1/4 inches (3.2 cm) in front of the mounting panel.

FINISH: Front panel is anodized gold and black with special gold/teal nomenclature illumination. Chassis is black.

MOUNTING: Exclusive McIntosh developed professional PANLOC

WEIGHT: 30 pounds (13.6 kg) net. 42 pounds (19.1 kg) in shipping carton

The continuous improvement of its products is the policy of McIntosh Laboratory Incorporated who reserve the right to improve design without notice.

FRANCHISED DEALER

McIntosh

McINTOSH LABORATORY INC.

2 CHAMBERS ST., BINGHAMTON, N.Y. 13903

607-723-3512