

**MA6500  
Integrated  
Amplifier**



**“all the premium features  
you dream of in a  
convenient integrated amp”**

Introduce yourself to McIntosh quality with the MA6500 Integrated Amplifier.

Hardly a “slimmed down” model, the MA6500 incorporates premium McIntosh technologies, including Power Assurance and Silent Electromagnetic Switching, as well as several features that will assist you as you integrate and expand your McIntosh system.

At the Heart of the MA6500’s Power Assurance System is Power Guard® clipping protection, input volume reduction that acts literally at the speed of light to keep distortion below 2% and deliver clipping-free output. Sentry Monitor current protection, Thermal Cutout, Turn-On Delay and Soft start inrush protection join Power Assurance to protect and prolong the life of your equipment.

Silent electromagnetic switching gives the MA6500 distortion-free switching. A glass tube containing oxygen-free gas and two signal leads sits in a copper coil and shock absorbent plastic, awaiting DC voltage to create a magnetic field that delivers the input signal and completes the circuit.

**Exclusive McIntosh  
Power Assurance System  
Power Guard® Clipping Protection  
Sentry Monitor® Current Protection  
Thermal Cutout  
DC Failure Protection  
Turn-On Delay  
Soft Start Inrush Protection  
Illuminated Peak-Responding Meters  
Silent Electromagnetic Switching  
Precision-Trimmed Volume Control  
Exclusive McIntosh Tone Controllers  
Control Data Outputs  
Remote Power Control**

*A Tradition of Excellence*



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## MA6500 Integrated Amplifier

### EXCLUSIVE MCINTOSH POWER ASSURANCE SYSTEM

A collection of technologies that enhance performance and reliability and protect the amp and the loudspeakers.

#### Power Guard® clipping protection.

A waveform comparison circuit continuously monitors both input and output signals and dynamically adjusts the input level to insure maximum output power while preventing harsh sounding clipping distortion.

#### Sentry Monitor® current protection

continually senses the voltage and current of the output stage and confines it to a safe limit, without limiting power output.

#### Thermal cutouts protect your amp

from overheating if cooling air is blocked and transistors become too hot.

#### DC failure protection guards

speakers against output circuit failure.

#### Turn-on delay slows operation for

about two seconds after turn-on in order to avoid any pops or thumps generated as other equipment turns on.

#### Soft Start inrush protection

eliminates component stress during turn-on. Thermistors in the power transformer act as a cushion against inrush current. Soft Start is one of many details that contribute to the remarkable longevity of McIntosh equipment.

2 x 120/200 watts (8/4 ohms)  
Wide power bandwidth with ultra-low distortion  
Exclusive McIntosh Power Assurance System  
Illuminated peak-responding meters  
Silent electromagnetic switching  
Precision-trimmed volume control  
Loudness compensation  
Exclusive McIntosh tone controls  
6 source selections including phono  
Switching for 2 pairs of speakers  
Accommodate more sources with McIntosh MVS3 A/V Selector  
Control data output for source components

Remote power control  
Remote operation of lights, screens, and drapes with McIntosh HC1 Home Controller  
Electronically regulated power supply  
Gold-plated input and output jacks  
Fanless convection cooling  
Modular construction with steel chassis  
Glass front panel with illuminated nomenclature  
Infrared remote control  
Headphone jack

#### FREQUENCY RESPONSE

20Hz to 20kHz, +0 / -0.5dB

#### TOTAL HARMONIC DISTORTION

0.005% max. at any level from 250 milliwatts to rated power output per channel from 20Hz to 20kHz.

#### INTERMODULATION DISTORTION

SMPTE 0.005% maximum if instantaneous peak output does not exceed 400W per channel

#### POWER OUTPUT

200, 120 watts minimum sine wave continuous average power output per channel, both channels operating, into a load impedance of 4, and 8 ohms respectively.

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

Power amp: 110dB  
below rated output  
High level: 100dB  
below rated output (90dB IHF)  
Phono: 90dB below  
10 mV input (84dB IHF)

#### INPUT IMPEDANCE

High level: 22k ohms  
Phono: 47k ohms, 65pf  
Main in: 20k ohms

#### OUTPUT LOAD IMPEDANCE

4 or 8 ohms

#### INPUT SENSITIVITY

High level: 250mV for 2.5V  
rated output (50mV IHF)  
Phono: 2.5mV for 2.5V rated  
output (0.5mV IHF)  
Main in: 2.5V for rated output

#### DAMPING FACTOR

230 (8 ohms)  
120 (4 ohms)

#### RATED POWER BAND

20Hz to 20kHz

#### DYNAMIC HEADROOM

2.4dB

#### MAXIMUM PREAMP VOLTAGE OUTPUT

8V from 20Hz to 20kHz

#### MAXIMUM INPUT SIGNAL

High level: 8V  
Phono: 90mV

#### VOLTAGE GAIN

High level to tape: 0dB  
High level to main: 20dB

#### tone controls

Bass and treble: ± 12dB

#### POWER GUARD®

Clipping is prevented and THD does not exceed 2% with up to 14dB overdrive at 1kHz

#### POWER REQUIREMENTS

120V 50/60Hz, 4A

#### DIMENSIONS (H X W X D)

inch: 7<sup>1</sup>/<sub>16</sub>" x 17<sup>1</sup>/<sub>2</sub>" x 18<sup>1</sup>/<sub>8</sub>"  
cm: 17.9 x 44.5 x 46  
includes clearance for connectors  
knob clearance: 1<sup>1</sup>/<sub>8</sub>" (2.9 cm)

#### WEIGHT

41 lbs. (18.6kg) net  
60 lbs. (27.3kg) shipping

