

MA6900
Integrated
Amplifier



“the power you want and the flexibility you need all combined in a single component”

Designed to deliver a continuous 200 Watts per channel, the MA6900 also provides selection and control of 6 input sources, including one balanced input and selectable moving-magnet phono stage. Loudness compensation, 5-band equalizer, precision trimmed volume control and two sets of switched outputs add to the list of features of this integrated amplifier.

Unique in the world of solid-state amplifiers, the MA6900 utilizes an autoformer at the output of each channel. The autoformer provides an ideal match for all types of speakers, regardless of their impedance, and allows the MA6900 to always deliver all of its rated 200 Watts per channel. Whether your speakers are 8, 4 or 2 Ohms, the exclusive McIntosh output autoformer ensures that you will always get all of the power that you pay for.

The preamp section of the MA6900 utilizes encapsulated switching, which reduces noise to the vanishing point. Instead of taking the music signal “for a ride” through long wires and open connections that can oxidize and become intermittent with age, all input switching in the MA6900 is done using sealed electromagnetic switches located close to the input jacks. Filled with an inert gas, these glass-encapsulated devices cannot oxidize and never need cleaning.

Exclusive McIntosh Power Assurance System
Power Guard® Clipping Protection
Sentry Monitor® Current Protection
Thermal Protection
DC Failure Protection
Turn-On Delay
Soft Start Inrush Protection
Illuminated Peak-Responding Wattmeters
Silent Electromagnetic Switching
Precision-Trimmed Volume Control
Exclusive McIntosh 5-Band Equalizer
Control Data Outputs
Remote Power Control

A Tradition of Excellence



McIntosh Laboratory, Inc. 2 Chambers Street, Binghamton, New York 13903-2699
Tel (607) 723-3512 • US Toll-Free (800) 538-6576 • Fax: (607) 724-0549 • www.mcintoshlabs.com

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5 BAND EQUALIZER

Great for touching up an old recording, or taming the acoustics of a problem room.

FLEXIBILITY

One set of balanced inputs, main preamp-out/amp-in connection and two additional switched preamp outputs are included. The ability to drive speaker loads down to 2 Ohms make this the perfect amplifier for driving multiple pairs of speakers.

PHONO INPUT

The ultra-quiet McIntosh phono stage for moving magnet cartridges is built-in. If desired, this input may be changed to an "aux" high level input in seconds.

GROW YOUR SYSTEM

With the addition of optional McIntosh sensors, the amplifier and other McIntosh components can be operated from additional rooms. Complete your system with a McIntosh tuner and a McIntosh CD changer.

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 power does not exceed 400W per channel.

POWER OUTPUT (8/4/2)

200W minimum sine wave continuous average power output per channel from 20Hz to 20kHz with both channels operating.

A-WEIGHTED SIGNAL-TO-NOISE RATIO

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

INPUT IMPEDANCE

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

OUTPUT LOAD IMPEDANCE

2, 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)
Power Amp In: 2.5V for rated output

DAMPING FACTOR

Greater than 40

RATED POWER BAND

20Hz to 20kHz

DYNAMIC HEADROOM

2.4dB

MAXIMUM PREAMP VOLTAGE OUTPUT

8V

MAXIMUM INPUT SIGNAL

High level: 8V
Phono: 90mV

VOLTAGE GAIN

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

EQUALIZER CONTROLS

Variable ± 12 dB at 30Hz, 150Hz, 500Hz, 1500Hz and 10kHz

POWER GUARD®

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

POWER REQUIREMENTS

120V, 50/60Hz, 4.4 Amps

OVERALL DIMENSIONS (H x W x D including knobs and feet)

7-1/16" (17.9cm) x 17-1/2" (44.5cm) x 18.75" (47.6cm)

WEIGHT

74.5 lbs (34kg) net • 92.5 lbs. (42kg) boxed

2 x 200 watts (8/4/2 ohms)

Wide power bandwidth with ultra-low distortion

Exclusive McIntosh Power Assurance System

Illuminated peak-responding meters

Exclusive McIntosh 5 band equalizer circuit

Silent electromagnetic switching

Precision-trimmed volume control

Loudness compensation

6 source selections including phono

Switching for 2 pairs of speakers

Control data output for source components

Remote power control

Remote operation of lights, screens and drapes with optional McIntosh Home Controller

Electronically regulated power supply with double-shielded transformer

Gold-plated input and output jacks

Fanless convection cooling

Modular construction with polished stainless steel chassis

Glass front panel with illuminated nomenclature

Infrared remote control

Connector for external IR sensor or keypad controller

Headphone jack

