

# MA6600 INTEGRATED AMPLIFIER



The MA6600 integrated amplifier teams a very low distortion, full function preamplifier with a potent 200 Watt per channel autoformer-coupled amplifier. The ability to accept an optional AM/FM/HD tuner module, the TM2, enables the MA6600 to become the first stereo receiver offered by McIntosh in over 15 years.

The preamplifier stage supports 1 balanced and 7 unbalanced inputs and the input names are user configurable. A Variable Rate Volume (VRV) control with Post Attenuator, a McIntosh innovation, provides exceptionally accurate tracking and very low noise operation. Bass, treble and balance functions are all digitally controlled and adjustable via the MA6600 front panel or IR remote and bass and treble settings are automatically memorized independently for each input selection. All signal routing is accomplished with highly reliable, sealed electromagnetic switches. A ¼" front panel jack accesses a dedicated, low impedance headphone amplifier for use with dynamic headphones. Two switched, unbalanced line outputs are available for multi-zone use.

The MA6600 power amplifier utilizes a 2-stage differential-balanced voltage amplifier coupled to a push-pull current amplifier and Output Autoformer. This topology exhibits extremely low noise and distortion along with high current capability and is designed to drive a wide range of loudspeakers to sound their very best. The output Autoformer enables the MA6600 to respond with full rated power and low distortion regardless of the load connected and delivers 200 watts per channel into 8, 4 or 2 ohms.

*"the latest McIntosh engineering, applied to an audiophile focused design"*

- 200 Watts / Channel
- Exclusive McIntosh Power Assurance System
- High Output Current Capability
- Fiber-Optic Illuminated Glass Front Panel
- ¼" Headphone Jack

## McIntosh®

LEGENDARY™

# MA6600 INTEGRATED AMPLIFIER



## EXCLUSIVE MCINTOSH POWER ASSURANCE SYSTEM

A collection of technologies that enhance performance and reliability while protecting the amplifier and loudspeakers.

## POWER GUARD®

A waveform comparison circuit continuously monitors both input and output signals. Power Guard dynamically adjusts the input level to avoid clipping while preventing harsh sounding distortion.

## ELECTRONIC SWITCHING AND BALANCED CONNECTIONS

The preamplifier uses Logic Circuits controlling Electromagnetic Switches on all inputs and operating functions for reliable, noiseless distortion free switching. There are two Balanced Inputs for connection of source components and a Balanced Preamplifier output for driving an external Power Amplifier

## POWER CONTROL AND REMOTE CONTROL

The power control output connection provides convenient Turn-On/Off of McIntosh Source components. The Data Ports together with the supplied Remote Control provides control of McIntosh Source components connected to the MA6600.

## WATTMETER

Swift, accurate response reveals program peaks so staying within the power limits of your loudspeakers is easy.

## FOR THE CONSUMER'S PROTECTION

In order to ensure the highest level of customer satisfaction, "new" McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer.

McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be "used" and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.

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### POWER OUTPUT

200 watts is the minimum sine wave continuous average power output per channel, both channels operating

### OUTPUT LOAD IMPEDANCE:

2, 4 or 8 ohms

### RATED POWER BAND:

20Hz to 20,000Hz

### TOTAL HARMONIC DISTORTION

0.005% maximum with both channels operating from 250 milliwatts to rated power, 20Hz to 20,000Hz

### DYNAMIC HEADROOM 2.0dB

### FREQUENCY RESPONSE

+0, -0.5dB from 20Hz to 20,000Hz  
+0, -3dB from 10Hz to 100,000Hz

### PREAMPLIFIER OUTPUT

1 AND 2 (FOR RATED INPUT):  
1.4V unbalanced (8V Maximum)

### SENSITIVITY (FOR RATED OUTPUT)

High Level, 250mV unbalanced, 500mV balanced  
Phono, 2.5 mV; Power Amp In, 1.4V

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

High Level, 92dB below rated output  
Phono, 84dB below 5mV input  
Power Amplifier, 115 below rated output

### INTERMODULATION DISTORTION

0.005% maximum, if the instantaneous peak power is 400 watts or less per channel with both channels operating for any combination of frequencies from 20Hz to 20,000Hz

### WIDE BAND DAMPING FACTOR: > 40

### INPUT IMPEDANCE

High Level, 20K ohms  
Phono, 47K ohms; 65pF  
Power Amp In, 10K ohms

### MAXIMUM INPUT SIGNAL

High Level, 8V unbalanced, 16V balanced  
Phono, 80mV; Power Amplifier In, 16V

### PREAMPLIFIER OUTPUT IMPEDANCE

220 ohms

### VOLTAGE GAIN

High Level to Rec Output: 0dB  
High Level to Output 1 and 2: 15dB  
Phono to Rec Output: 40dB  
Phono to Output 1 and 2: 55dB  
Power Amplifier: 29dB

### tone controls

Bass Control  $\pm 12$ dB (1dB steps) @ 30Hz  
Treble Control  $\pm 12$ dB (1dB steps) @ 10,000Hz

### POWER REQUIREMENTS

100 Volts, 50/60Hz at 5.2 amps  
110 Volts, 50/60Hz at 4.8 amps  
120 Volts, 50/60Hz at 4.4 amps  
220 Volts, 50/60Hz at 2.45 amps  
230 Volts, 50/60Hz at 2.35 amps  
240 Volts, 50/60Hz at 2.25 amps  
Standby: Less than 1 watt

### OVERALL DIMENSIONS (H x W x D including front panel, knobs, feet and cables):

9-7/16" (23.97cm) x 17-1/2" (44.45cm)  
x 22" (55.88cm)

### WEIGHT

75 pounds (34.1 kg) net, 93 pounds (42.3 kg)  
in shipping carton

To experience the legendary performance of McIntosh, please call on us at 1-800-538-6576