

# MA6300 INTEGRATED AMPLIFIER



The MA6300 is the latest integrated amplifier, rich with all the premium technologies that McIntosh is famous for including Power Assurance System and Silent Electromagnetic Switching. With 100 watts per channel at 8-Ohms and 160 watts into 4-Ohm loads, the MA6300 can effortlessly power virtually any speaker from one of seven source selections: CD1, CD2, Tuner, Phono, Tape, TV and DVD.

Featured in the MA6300 is a dedicated, high performance headphone amplifier boasting low noise, extended frequency response and featuring ample gain to drive the finest quality headphones to life-like levels. A robust ¼" front panel jack is easily accessible and provides for years of personal listening enjoyment.

A pair of distinctive "blue eyes" output meters highlights the Fiber-Optic Illuminated Glass front panel from which the controls for Balance, Volume, Mute, Standby/On, and the seven Source Selection Buttons are all readily accessible. A turn on delay prevents annoying pops or thumps while protecting loudspeakers.

Only McIntosh can combine two basic audio components into a single instrument and still retain traditional McIntosh performance, quality and reliability. The MA6300 provides all of this in a more compact, space saving configuration. Those considering a McIntosh system for the first time will find the MA6300 a very comfortable place to start.

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

- Balanced XLR connection for the CD1 Input
- MM Phono Input
- Preamp Out and Power Amp Input Jacks
- Serial Data Output Port for Each Input Selection
- Power Guard®
- Turn On Delay
- R-Core Transformer
- ¼ Front Panel Headphone Jack
- Remote Control

## McIntosh®

LEGENDARY™



## 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.

### SENTRY MONITOR®

Fuse-less short-circuit protection circuit disengages the output stage before current exceeds safe operating level – resets automatically.

### WATTMETER

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

### ELECTRONIC INPUT SWITCHING

Digital Logic integrated circuits drive electromagnetic switches on all seven inputs and operating functions for reliable noiseless distortion free switching.

### 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

100 watts into an 8 Ohm load is the minimum sine wave continuous average power output. The output RMS voltage is 28.3V across 8 Ohms.

160 watts into a 4 Ohm load is the minimum sine wave continuous average power output. The output RMS voltage is 25.3V across 4 Ohms.

#### OUTPUT LOAD IMPEDANCE

8 and 4 Ohms

#### RATED POWER BAND

20Hz to 20kHz

#### TOTAL HARMONIC DISTORTION

0.005% max harmonic distortion at any power level from 250 milliwatts to rated power, 20Hz to 20kHz

#### DYNAMIC HEADROOM 1.4dB

#### FREQUENCY RESPONSE

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

#### PREAMPLIFIER MAIN OUTPUT

1V for rated input (8V maximum)

#### SENSITIVITY (FOR RATED OUTPUT)

High level: 250mV unbalanced, 500mV Balanced;  
Phono: 2.5mV; Power Amp In, 1V

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

High Level: 97dB below rated output  
Phono: 90dB below 10mV input  
Power Amplifier: 110 below rated output

#### INTERMODULATION DISTORTION

0.005% max, if the instantaneous peak power output is rated power or less per channel with both channels operating for any combination of frequencies from 20Hz to 20kHz

#### WIDE BAND DAMPING FACTOR

200 at 8 Ohms; 100 at 4 Ohms

#### INPUT IMPEDANCE

High Level: 20K Ohms; Phono: 47K Ohms: 65pF;  
Power Amp In: 10K Ohms

#### MAXIMUM INPUT SIGNAL

High Level: 8V; Phono: 90mV;  
Power Amplifier In: 8V

#### MAIN OUTPUT IMPEDANCE 50 Ohms

#### POWER GUARD

Less than 2% THD with up to 16dB overdrive at 1000Hz

#### VOLTAGE GAIN

High Level to Tape Output: 0dB  
High Level to Main Output: 12dB  
Phono to Main Output: 52dB

#### POWER REQUIREMENTS

100/110 Volts, 50/60Hz at 3.6 amps  
120 Volts, 50/60Hz at 3.2 amps  
220/230/240 Volts, 50/60Hz at 1.8 amps

#### OVERALL DIMENSIONS (HxWxD)

7-5/8" (19.4cm) x 17-1/2" (44.5cm) x 22" (55.9cm) including front panel and knobs.

#### WEIGHT

37 lbs. (16.8kg) net, 55 lbs. (24.9kg) boxed

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