

# MA7000 INTEGRATED AMPLIFIER



Designed to deliver a continuous 250 watts per channel, the MA7000 Integrated Amplifier is the most powerful integrated amplifier McIntosh has ever offered. The MA7000 leads an already impressive array of McIntosh integrated amplifiers delivering uncompromised performance in a convenient, single-box solution.

The MA7000 employs the famous McIntosh Autoformer. Designed and manufactured exclusively by McIntosh, the Autoformer helps the MA7000 deliver optimum performance with any loudspeaker. Whether your speakers are 2, 4, or 8 ohms the McIntosh Autoformer ensures that you will always get all of the power that you have paid for.

The MA7000 is the beneficiary of many technologies used in McIntosh separate components yielding uncompromised performance from a single chassis. A McIntosh designed 5-band equalizer guarantees the range of adjustment necessary to extract the maximum sound quality from a wide variety of audio sources and software, while the Fiber-Optic Illuminated 3D Glass Frontpanel insures that the appearance of the MA7000 will remain like new for many decades.

Exclusive McIntosh Power Assurance System

High Output Current Capability

Wide Bandwidth

Fiber-Optic Illuminated 3D Glass Front Panel

¼" Headphone Jack

## McIntosh®

LEGENDARY™



#### POWER OUTPUT

250 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 MAIN OUTPUT (FOR RATED INPUT)

2.5V unbalanced (8V Maximum)  
5.0V balanced (16V Maximum)

#### SENSITIVITY (FOR RATED OUTPUT)

High Level, 250mV unbalanced, 500mV balanced  
Phono, 1.2 mV Power Amp In, 2.5V

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

High Level, 100dB 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 500 watts or less per channel with both channels operating for any combination of frequencies from 20Hz to 20,000Hz

#### WIDE BAND DAMPING FACTOR

Greater than 40

**MAIN OUTPUT IMPEDANCE** 50 ohms

#### 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, 45mV Power Amplifier In, 16V

#### POWER GUARD

Less than 2% THD with up to 16dB overdrive at 1,000Hz

#### VOLTAGE GAIN

High Level to Rec Output: 0dB  
High Level to Main Output: 20dB  
Phono to Rec Output: 46dB  
Phono to Main Output: 66dB  
Power Amplifier: 25dB

#### EQUALIZER CONTROLS

Variable 12dB boost to 12dB cut at 30Hz, 150Hz, 500Hz, 1500Hz and 10,000Hz

#### POWER REQUIREMENTS

100 Volts, 50/60Hz at 8.0 amps  
110 Volts, 50/60Hz at 7.2 amps  
120 Volts, 50/60Hz at 6.6 amps  
220 Volts, 50/60Hz at 3.3 amps  
230 Volts, 50/60Hz at 3.3 amps  
240 Volts, 50/60Hz at 3.3 amps  
Standby: Less than 1 watt  
Note: Refer to the rear panel of the MA7000 for the correct voltage.

#### OVERALL DIMENSIONS (H X W X D) INCLUDING THE FEET AND FRONT PANEL KNOBS AND CABLES

Width is 17-1/2 inches (44.45cm) 9-7/16 inches (23.97cm), 17-1/2 inches (44.45cm) x 22 inches (55.88cm)

#### WEIGHT

97.5 pounds (44.3 kg) net  
130.5 pounds (59.2 kg) in shipping carton

## 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.

### OUTPUT AUTOFORMER®

Unique McIntosh technology delivers the full rated amplifier output with the least possible distortion into loudspeaker impedances of 2, 4, or 8 ohms; you get all the power you paid for and the freedom to choose any loudspeaker.

### 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.

# McIntosh®

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