

# MC303 THREE CHANNEL POWER AMPLIFIER



At 300 watts per channel the new McIntosh MC303 Three Channel Power Amplifier with Autoformers is our most powerful multi-channel amplifier offering to date. This powerhouse is also the first ever multi-channel amplifier from McIntosh to include Autoformer coupled output stages. The McIntosh Autoformer, a premium technology found only on the best McIntosh designs, allows each channel of the MC303 to deliver maximum power into 2, 4, or 8 ohm loads resulting in the lowest noise and distortion performance possible. With available peak power of 1200 watts per channel, the MC303 is ready to drive the finest loudspeakers to sound their very best.

Premium cosmetics featuring a ½" thick glass faceplate, custom machined and anodized aluminum handles, and a mirror polished stainless steel chassis are standard equipment on the MC303. Power Guard, a McIntosh circuit innovation, maximizes sound quality at high power levels while our Sentry Monitor feature provides continuous short circuit protection of the amplifier and connected loudspeakers. A triple bank of Peak Reading Watt Meters provides instant recognition of power output and may be switched off for theater use.

*"...our most powerful multichannel amplifier offering to date."*

Three 300 Watt Channels  
Output Autoformers  
60 Amps Output Current  
Large Gold Plated Five-Way  
Binding Posts

## McIntosh®

LEGENDARY™

# MC303 THREE CHANNEL POWER AMPLIFIER



## POWER OUTPUT

Minimum sine wave continuous average power output per channel, all channels operating: 300 watts into a 2 ohm, 4 ohm or 8 ohm load

## OUTPUT LOAD IMPEDANCE

2, 4 or 8 ohms

## RATED POWER BAND

20Hz to 20,000Hz

## TOTAL HARMONIC DISTORTION

0.005% maximum harmonic distortion at any power level from 250 milliwatts to rated power, 20Hz to 20,000Hz

## DYNAMIC HEADROOM

1.8dB

## FREQUENCY RESPONSE

+0, -0.25dB from 20Hz to 20,000Hz  
+0, -3dB from 10Hz to 100,000Hz

## INPUT SENSITIVITY (FOR RATED OUTPUT)

1.7 Volt Unbalanced  
3.4 Volt Balanced

## SIGNAL TO NOISE RATIO (A-WEIGHTED)

112dB below rated output

## INTERMODULATION DISTORTION

0.005% maximum, if the instantaneous peak power output does not exceed twice the rated power output for any combination of frequencies from 20Hz to 20,000Hz.

## WIDE BAND DAMPING FACTOR

Greater than 40

## INPUT IMPEDANCE

10,000 ohms

## POWER GUARD

Less than 2% THD with up to 14dB overdrive at 1,000Hz

## POWER CONTROL INPUT

5VDC - 12VDC

## POWER CONTROL OUTPUT

12VDC, 25mA maximum, delay 0.2 seconds

## POWER REQUIREMENTS

100 Volts, 50/60Hz at 12 Amps  
110 Volts, 50/60Hz at 11 Amps  
120 Volts, 50/60Hz at 10 Amps  
220 Volts, 50/60Hz at 6 Amps  
230 Volts, 50/60Hz at 6 Amps  
240 Volts, 50/60Hz at 6 Amps  
Standby: Less than 1 watt

Note: Refer to the rear panel of the MC303 for the correct voltage.

## OVERALL DIMENSIONS

Width is 17-3/4" (45.09cm)  
Height is 12-3/8" (31.43cm) including feet  
Depth is 22" (55.88cm) including the Front Panel and Cables

## WEIGHT

155 lbs. (70.3 kg) net, 180 lbs. (81.6 kg) in shipping carton

## SHIPPING CARTON DIMENSIONS

Width is 31" (78.74cm)  
Depth is 28" (71.12cm)  
Height is 17-1/4" (43.82cm)

## 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 AUTOFORMERS

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**

www.mcintoshlabs.com

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