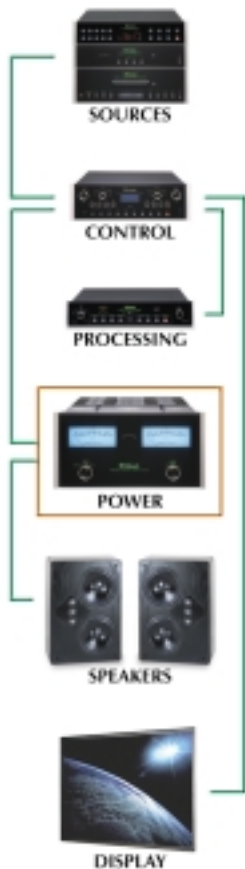


**McIntosh**<sup>®</sup>  
THE GREAT AMERICAN POWERHOUSE



MC122 Power Amplifier



# MC122

## Power Amplifier



Enjoy traditional McIntosh excellence in the compact MC122 power amplifier. Like its larger siblings, the MC122 features Power Assurance, which maximizes clean power output and ensures many years of reliable operation. With an invitingly modest price, the MC122 makes it easier than ever to join the extended family of satisfied McIntosh owners.

See "SYSTEMS ENGINEERING" in main brochure for more on McIntosh system architectures.

## Featured Technologies

**EXCLUSIVE MCINTOSH POWER ASSURANCE SYSTEM.** Power Assurance is a collection of technologies that enhance performance and reliability and protect the amp and the loudspeakers.

**Power Guard® clipping protection.** Power Guard ensures that the amplifier will always deliver full power without causing clipping distortion. If an amplifier channel is overdriven, Power Guard automatically reduces the input volume just enough to keep distortion below 2% and prevent any clipping distortion. Thanks to an optical resistor, Power Guard acts literally at the speed of light, producing absolutely no audible side effects. An amplifier with Power Guard will actually deliver clipping-free output well above its rated power.

**Sentry Monitor® current protection.** Sentry Monitor continually senses the voltage and current of the output stage and confines it to a safe limit. Sentry Monitor does not limit power output.

**Thermal Cutout.** If the cooling air is blocked and the power transistors become too hot, thermal cutouts protect against overheating until the amp cools.

**Turn-On Delay.** This circuit delays operation for about two seconds after turn-on in order to avoid any pops or thumps generated as other equipment turns on.

**Soft Start inrush protection.** Thermistors in the power transformer act as a cushion against inrush current, eliminating component stress during turn-on. Soft Start is one of many design details that contribute to the remarkable longevity of McIntosh equipment.

**REMOTE POWER CONTROL.** This allows a McIntosh Control Center to turn the MC122 and other system components on/off.

## About the MC122 Companion Products

The McIntosh products shown at right are logical companions for the MC122. Separate literature is available. Check with your McIntosh dealer for any late additions. McIntosh speaker systems are also covered in detail in separate literature.

**C15 Control Center.** The C15's extensive capabilities make it the ideal centerpiece for what may begin as a pure stereo system and evolve into a dual-zone audio/video system with the addition of the MVS3 A/V Selector.

**MX132 A/V Control Center + Processor.** The MC122 can be used as a high-quality Zone B amp for the MX132.

**HT1 Loudspeaker.** The 4-way HT1 has two 8-inch bass/mid drivers plus three high-frequency drivers mounted in a patented rotatable baffle that allows the HT1 to be oriented either vertically or horizontally.

**SL4 Loudspeaker.** The 3-way floorstanding SL4 features two 6.5-inch bass/mid drivers and an angled front that allows placement parallel to and nearer the wall.

**SL1 Powered Subwoofer.** Designed to complement the SL4 or HT1, the 250-watt SL1 uses a 12-inch LD/HP® driver that delivers ultra-low-distortion bass down to 20Hz.



C15 PREAMPLIFIER



MX132 A/V CONTROL CENTER + PROCESSOR



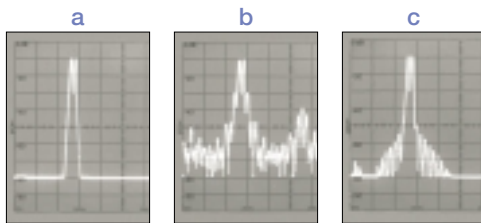
HT1 LOUDSPEAKER



SL4 LOUDSPEAKER



SL1 POWERED SUBWOOFER



The patented McIntosh Power Guard in the MC122 provides real-time clipping protection without affecting power output or sound quality.

- a) test signal
- b) overdriven amp without Power Guard produces SEVERE clipping
- c) overdriven amp with Power Guard produces NO clipping



As seen on the inside surface of this demonstration piece, the screening process for a McIntosh glass panel entails as many as 12 individual layers.

The glass panels are cut using a computer-controlled high-pressure water jet.



Most consumer electronics products are necessarily viewed as short-term investments because either they don't last or they quickly become obsolete in some way. *Coincidentally*, manufacturers supply a steady stream of "new-and-improved" products that you can buy. *Again*.

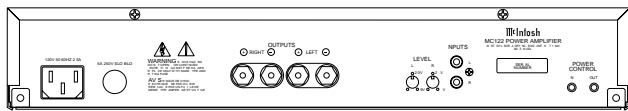
Behind every McIntosh is a fifty-year heritage of excellence, proudly carried forward by every employee. No production

lines, no "price-point" engineering, no planned obsolescence. McIntosh equipment is made to sound better and last longer.

When McIntosh products are presented to customers, the criteria they have been conditioned to overlook – reliability, longevity, craftsmanship, ease-of-use, adaptability, pride of ownership – suddenly leap to the top of their list.

The choice becomes clear: ***There is nothing like a McIntosh.***

# MC122 Power Amplifier



## FEATURES

- 2 x 120 watts (4 ohms) or 2 x 80 watts (8 ohms)
- Wide power bandwidth
- Ultra-low distortion
- Exclusive McIntosh Power Assurance System:
  - Power Guard® clipping protection
  - Sentry Monitor® current protection
  - Thermal Cutout
  - Turn-On Delay
  - Soft Start inrush protection
- Low-noise toroid power transformer
- Remote power control
- Input-level gain adjustments
- Gold-plated high-current output terminals
- Fanless convection cooling
- Modular construction with steel chassis
- Glass front panel with illuminated nomenclature

## SPECIFICATIONS

### RMS Power Output

120 watts (4Ω) or 80 watts (8Ω) minimum sine wave continuous average power output per channel from 20Hz to 20kHz with both channels operating

### Output Load Impedance

8 or 4 ohms

### Rated Power Band

20Hz to 20kHz

### Peak Output Current

> 18 amperes

### Total Harmonic Distortion

0.005% maximum at any level from 250 milliwatts to rated power output per channel from 20Hz to 20kHz with all channels operating

### Intermodulation Distortion

0.005% maximum if instantaneous peak power output does not exceed twice the output power rating

### Dynamic Headroom

1.6dB

### Frequency Response

20Hz to 20kHz, +0 / -0.25dB  
10Hz to 100kHz, +0 / -3.0dB

### Input Sensitivity

0.8V (2.5V at gain control center detent)

### Signal-to-Noise Ratio

110dB below rated output

### Damping Factor

200 (8 ohms)  
100 (4 ohms)

### Input Impedance

10k ohms

### Power Guard®

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

### Power Requirements

120V 50/60Hz, 2.8A

### Dimensions (h x w x d)

inch: 3.625 x 17.5 x 17.5  
cm: 9.2 x 44.5 x 44.5

### Weight

24 lbs. (10.9kg) net  
39 lbs. (17.7kg) shipping