

# McIntosh®

## MC2.1KW MONOBLOCK POWER AMPLIFIER



- The MC2.1KW consists of three separate modules: one Output Module and two Power Modules that each contain a 1,000 Watt amplifier.
- The incoming audio signal enters the Output Module from the preamplifier. An in-phase signal is sent from the Output Module to one of the Power Modules and is amplified. At the same time, an out-of-phase signal is sent to the other Power Module and amplified.
- Both amplified signals exit the Power Modules and reenter the Output Module where they drive opposite ends of the bi-filar wound McIntosh Autoformer™.
- Thanks to our hand wound Autoformer, the full 2,000 Watts of power can be delivered into a speaker regardless of its impedance is 2, 4 or 8 Ohms.
- The next generation MC2.1KW offers many sonic upgrades. Chief among them are substantially larger filter capacitors that improve the performance of low end frequencies as well as significantly improving dynamic headroom. These eight larger capacitors are located in the Power Modules behind the custom Power Bank that is visible through the front panel glass.
- Dual sets of balanced and unbalanced inputs conveniently allow you to connect more than one preamplifier. This gives you the ability to easily switch between vacuum tube and solid state signals, such as from our reference level C12000 Solid State and Vacuum Tube Preamplifier that has outputs for both signal types, or from separate vacuum tube and solid state preamplifiers.
- Exclusive McIntosh technologies that ensure your investment is protected and your experience flawless include: Power Guard®; Sentry Monitor™; Quad Balanced Design; and Power Control.
- MC2.1KW knows no bounds and it's not limited to just being used with McIntosh speakers but can also be used with a wide variety of other speakers.

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## MC2.1KW MONOBLOCK POWER AMPLIFIER



Output Module



Power Module

### SYSTEM SPECS

#### Power Output

2000 Watts into 2, 4 or 8 ohm load

#### Rated Power Band

20Hz to 20kHz

#### Dynamic Headroom

2.1dB

#### Wide Band Damping Factor

Greater than 40

#### Frequency Response

+0, -0.25dB from 20Hz to 20kHz

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

#### Total Harmonic Distortion

0.005% maximum harmonic distortion at any power level

from 250 milliwatts to rated power, 20Hz to 20kHz

#### 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 20kHz

#### Signal To Noise Ratio (A Weighted)

123dB below rated output

#### Input Sensitivity (for rated output)

5.0 Volts Balanced

2.5 Volts Unbalanced

#### Input Impedance

22,000 ohms Balanced

22,000 ohms Unbalanced

#### Voltage Output

126.5V across 8 ohms

89.5V across 4 ohms

63.3V across 2 ohms

#### Voltage Gain

8 ohms: 34dB; 4 ohms:

31dB; 2 ohms: 28dB

#### Power Control Input

5-12VDC

#### Power Control Output

12VDC, 25mA

### POWER MODULE SPECS

#### Power Requirements

100 Volts, 50/60Hz at 1440 watts

110 Volts, 50/60Hz at 13.0 amps

120 Volts, 50/60Hz at 12.0 amps

220 Volts, 50/60Hz at 7.5 amps

230/240 Volts, 50/60Hz

at 6.5 amps

#### Overall Dimensions

Width is 17-15/16 inches (45.6cm)

Height is 11-7/8 inches (30.2cm)

Depth is 23-1/2 inches (59.7cm)

#### Weight

145 pounds (65.8 kg) net

170 pounds (77.1 kg) in carton

### OUTPUT MODULE SPECS

#### Power Requirements

100, 110, 120, 220, 230, 240

Volts, 50/60Hz at 35 watts

#### Overall Dimensions

Width is 17-15/16 inches (45.6cm)

Height is 12-5/32 inches (30.9cm)

Depth is 23-1/2 inches (59.7cm)

#### Weight

125 pounds (56.7 kg) net

150 pounds (68 kg) in carton