

MC2KW
2,000 Watt Monoblock
Power Amplifier



**“enough power to accurately produce a
live musical event without distortion”**

Ordinary amplifiers simply do not have enough power to reproduce full-sized live music without running out of power on short transients. The MC2KW is no ordinary amplifier. It has what it takes (8000 watts on musical peaks) to reproduce a full orchestra's dynamic power without strain or limiting.

The unique design of the MC2KW incorporates three modules separating the power from the output. Each 1000 watt Power Module contains half of the balanced circuitry complete with its own power supply resulting in the double balanced configuration. The Output Module houses the input and output connections, meter and output autoformer and functions as the control center. The signal from the Power Modules enters a double-wound, mirror image output transformer where each kilowatt of power is added canceling noise and distortion.

The MC2KW Power Amplifier is available exclusively through select McIntosh Authorized Premier Dealers.

Balanced and Unbalanced Inputs
Thruputs for Bi and Tri-Amping
Connections for 8, 4, and 2 Ohms
3 Full Sets of Terminals for Tri-Wiring
Power Control Triggers (In and Out)
Peak Responding Output Meter
Meter Hold Front Panel Switch
Silent Convection Cooling
Cool-Running High Efficiency Circuits
Thermal Track Output Transistors
Safe Operation to Below 2 Ohms
Sentry Monitor Protection
Power Line Inrush Protection
Fiber Optic Front Panel Lighting

POWER OUTPUT

A Tradition of Excellence



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THERMAL-TRACK OUTPUT TRANSISTORS

These new transistors self monitor their operating temperature and adjust bias as needed resulting in low distortion at all power levels without excess heat. The MC2KW runs cooler than many low power amplifiers.

TWO SETS OF INPUTS

For use with the C1000, it allows for a simplified connection minimizing cables.

QUAD BALANCED

This innovative design is possible only with output transformers, a McIntosh specialty. It enables McIntosh engineers to combine almost limitless power with vanishingly low distortion and noise.

FRONT PANEL DESIGN

Front panel glass design is illuminated with long-life, cool-running fiber optics that makes operation in low light easier. Silk screening on the inside of the glass front panel prevents wear of the nomenclature, ensuring lasting beauty and highest resale value... a McIntosh hallmark feature.

FREQUENCY RESPONSE

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

TOTAL HARMONIC DISTORTION

0.005% maximum harmonic distortion at any power level from 250 milliwatts to 2000 watts, 20Hz to 20kHz

INTERMODULATION DISTORTION

0.005% maximum, if instantaneous peak power output does not exceed 4000 watts, for any combination of frequencies from 20Hz to 20kHz.

A-WEIGHTED SIGNAL-TO-NOISE RATIO

Unbalanced: 90dB (123dB below rated output)
Balanced: 94dB (127dB below rated output)

POWER OUTPUT

2000 watts into an 8, 4, or 2 ohm load is the minimum sine wave continuous average power output. The output RMS voltage is:
126.5V across 8 ohms
89.5V across 4 ohms
63.3V across 2 ohms

INPUT IMPEDANCE

10,000 ohms

OUTPUT LOAD IMPEDANCE

Three pairs of terminals each for 8, 4 and 2 ohms

INPUT SENSITIVITY

2.5V unbalanced; 5V balanced

WIDE BAND DAMPING FACTOR

Greater than 40

DYNAMIC HEADROOM

2dB

RATED POWER BAND

20Hz to 20kHz

POWER GUARD

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

POWER REQUIREMENTS

Each Power Module:

100 Volts, 50/60Hz, 1440 Watts
110 Volts, 50/60Hz, 13 Amps
120 Volts, 50/60Hz, 12 Amps
220 Volts, 50/60Hz, 7.5 Amps
230 Volts, 50/60Hz, 6.5 Amps
240 Volts, 50/60Hz, 6.5 Amps

Output Module:

100 Volts, 50/60Hz, 35 Watts
110 Volts, 50/60Hz, 35 Watts
120 Volts, 50/60Hz, 35 Watts
220 Volts, 50/60Hz, 35 Watts
230 Volts, 50/60Hz, 35 Watts
240 Volts, 50/60Hz, 35 Watts

OVERALL DIMENSIONS (H x W x D including handles, connectors and feet)

MC2KW Output Module and Power Module:
12-5/16" (31.27cm) x 17-3/4" (45.1cm) x 26-5/8" x (62.54cm)

WEIGHT

MC2KW Output Module: 121 lbs. (54.9kg) net;
146 lbs. (66.2kg) in shipping carton

MC2KW Power Module: 158 lbs. (71.7kg) net;
183 lbs. (83kg) in shipping carton

