

McIntosh®

MC2.1KW MONOBLOCK POWER AMPLIFIER



McIntosh[®]

SINCE 1949

Sound is not just the DNA of McIntosh, it is the heartbeat that resonates within every product we bring to life, connecting music lovers to the soul-stirring power of sound. Join us on a journey to elevate your sound experience.





ULTIMATE POWER

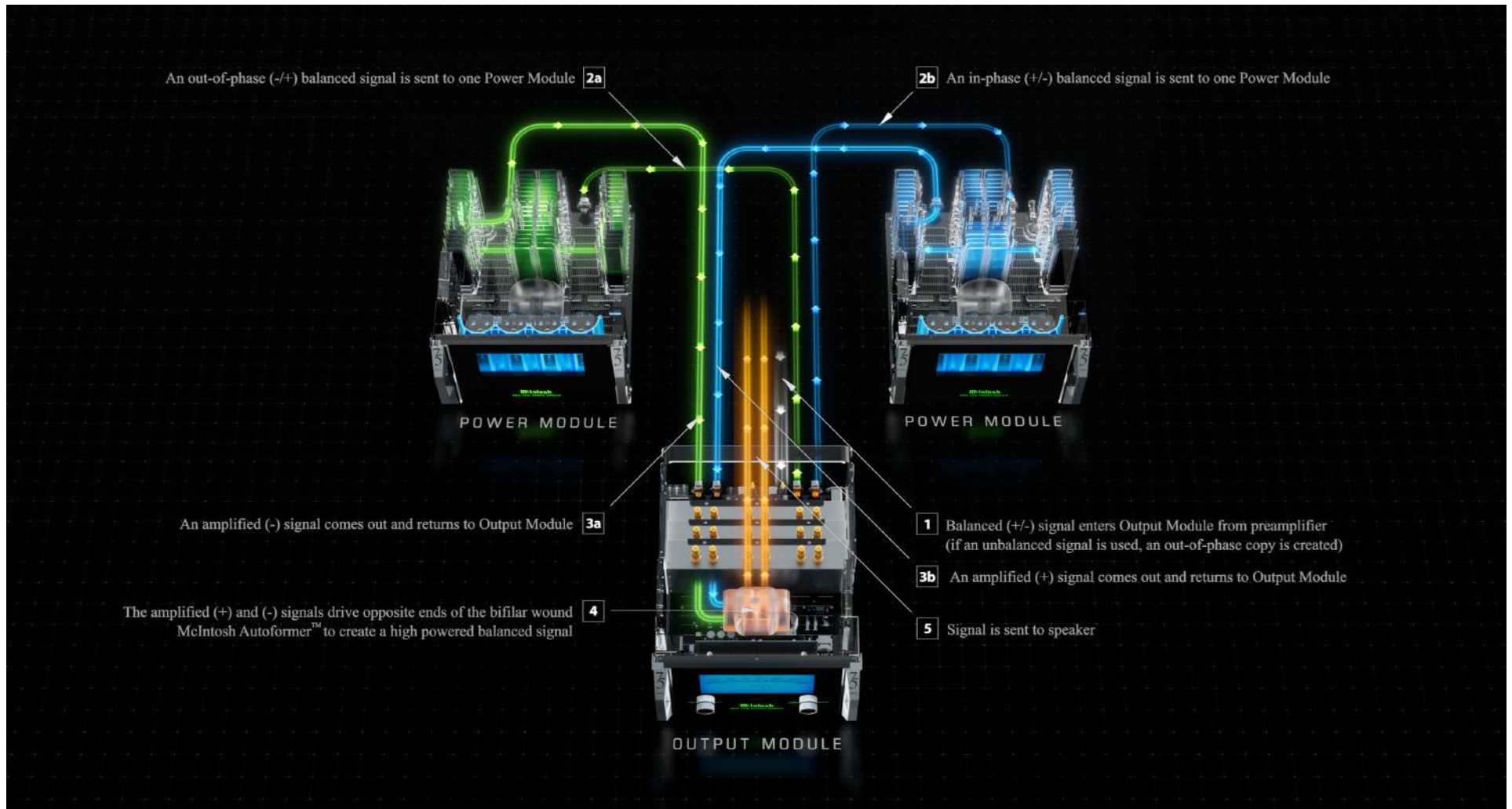
The reference level McIntosh MC2.1KW Monoblock Power Amplifier is the ultimate power in home audio amplification.

Our 75 years of experience as the leader of sound reproduction has led us to the MC2.1KW. The pinnacle of audio amplification, the MC2.1KW stands as a testament to our unwavering commitment to sonic perfection. This tri-chassis marvel possesses the remarkable ability to deliver an astonishing 2,000 Watts of pristine McIntosh

power, forever transforming your home stereo or theater experience. At McIntosh, we don't just appreciate sound – we are made of sound. The MC2.1KW is the embodiment of our passion, and it invites you to embark on an extraordinary journey through sound.

Available separately or as part of our Reference Music System and Reference Home Theater System, the MC2.1KW pairs seamlessly with our XRT2.1K Loudspeaker or its predecessor, the XRT2K. However, its versatility knows

no bounds and it's not limited to just being used with McIntosh speakers but instead can be used with a wide variety of other speakers. It is ideally suited for audio systems that have power hungry loudspeakers; systems located in extremely large rooms; or for audio enthusiasts who simply demand the latest and best in state-of-the-art home audio amplification.



SYMPHONY OF TECHNOLOGY

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™. This combines the two audio

signals back into one with the power summed while any noise is reduced or completely canceled. Through this artful engineering, a low distortion audio signal leaves the Output Module to deliver pristine sound through your speaker.

Why are there three modules instead of one? There are two reasons. First is about practicality; each module weighs over 120 lbs (54 kg), so if it was just one module it would be very heavy (close to 400 lbs (181 kg)) and tough to move. With it being comprised of three modules, each is more manageable to move.

Another reason has to do with the electrical wiring typically found inside homes. If the MC2.1KW was just one module, it would need to plug into a high voltage outlet (for example: the kind of outlet used by electric ranges in the United States). With it divided up into three modules, each can have a more common plug that works with the type of outlets commonly found in homes so that special wiring does not need to be installed inside your walls.



A TRIBUTE
TO 75 YEARS
OF EXCELLENCE

McIntosh will be celebrating our 75th Anniversary in 2024.

To commemorate this milestone, the first 75 pairs of MC2.1KW sold in 2024 to each country McIntosh is distributed in will include special anniversary badging.

The Output Module will have a dual anodized laser-engraved badge proudly displaying our 75th Anniversary logo on the top, while the handles on all three modules will have “75 years” engraved in them.

These additions are sure to make every MC2.1KW built through 2024 a true collector’s item for McIntosh enthusiasts.



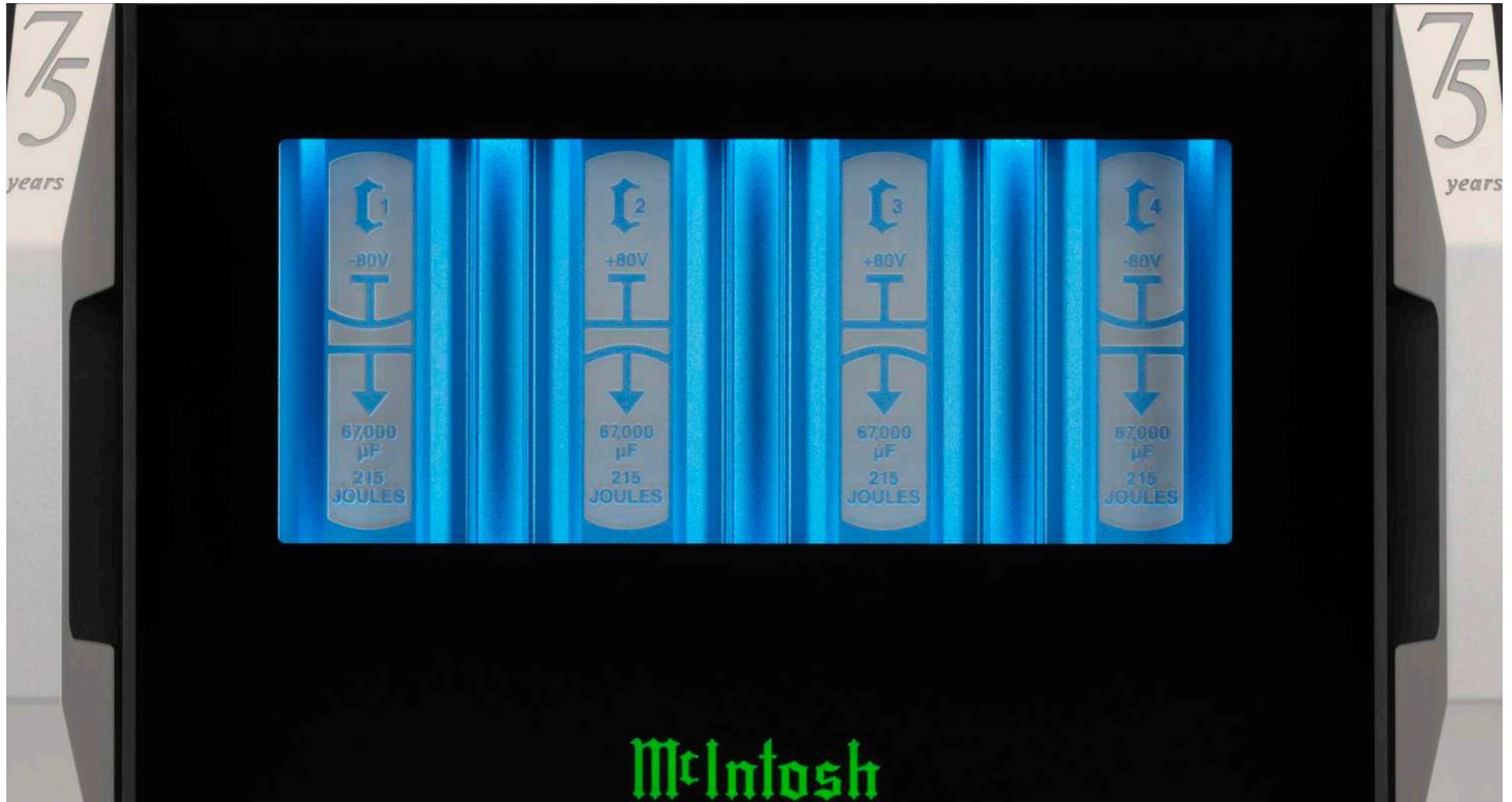
FULL POWER WITH NO SACRIFICES

Thanks to our hand wound Autoformer, the full 2,000 Watts of power can be delivered into a speaker regardless if its impedance is 2 Ohms, 4 Ohms, or 8 Ohms.

This means you won't need to sacrifice any power if your speaker impedance doesn't match the amplifier's output impedance.

That's because amplifiers from most other brands only have one output impedance and if that doesn't match your speaker's impedance, then you could sacrifice up to half of the amplifier's power capabilities.

This will not happen with our Autoformer and its unique ability to output full power at three separate impedances.



A SONIC
LEAP
FORWARD

The MC2.1KW succeeds the MC2KW, which rocked the Las Vegas convention hall – and the entire audio world – when it was introduced at the 2005 CES Show. 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.

Our patented Solid Cinch™ speaker binding posts

easily but securely attach the speaker cables to prevent them from coming loose and possibly causing a short; the posts are gold-plated to prevent corrosion and ensure a quality signal is sent over your speaker cables. There are dedicated binding posts for 2, 4 and 8 Ohm impedances, with the connectors for each impedance rating located on a separate output platform on the back of the Output Module. Each output platform also has three sets of identical binding posts to facilitate bi- or tri-wiring your loudspeaker.

Four McIntosh Monogrammed Heatsinks™ are found on each Power Module. Made from high quality materials with excellent thermal conductivity properties and connected to advanced high current output transistors that eliminate thermal equilibrium lag time, these heatsinks maintain efficient heat dissipation, ensuring consistent audio quality from the first to last note.

Other upgrades include enhanced circuit designs, shorter signal paths, and updated electrical wiring.



DUAL INPUTS FOR ADVANCED SYSTEM CONFIGURATIONS

New on the MC2.1KW are dual sets of balanced and unbalanced inputs, conveniently allowing you to connect more than one preamplifier to the MC2.1KW.

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. Or use the second set of inputs to connect two preamplifiers of the same type, the choice is yours.

The dual inputs on the MC2.1KW give you added system flexibility and lets you use the signal type of your choice depending on the type of music you're listening to and your listening preferences.



TRUSTED MCINTOSH TECHNOLOGIES

Our exclusive McIntosh technologies ensure your investment is protected and your experience flawless.

- Power Guard® monitors the audio input signal coming into the amplifier and if it detects the amplifier will be overdriven, makes real time, near speed of light adjustments to prevent harsh sounding and potentially speaker damaging clipping. These adjustments are imperceptible to your ear so there is no degradation to sound quality.
- Sentry Monitor™ is our fuse-less short-circuit protection circuit that disengages the output stage before current exceeds safe operating levels and then resets automatically when operating conditions return to normal.
- Quad Balanced design that cancels virtually all noise and distortion that may have crept into the audio signal.
- Power Control to send power on/off signals to other connected McIntosh components (such as CD Players, turntables, tuners, and media streamers) for easy system power up and shutdown.



WITNESS THE BEAUTY

Crafted with stainless steel polished to a gleaming mirrored finish and immaculate metal casework, the MC2.1KW is a visual masterpiece. Black glass front panels, illuminated logos, rotary knobs, aluminum handles, and a responsive blue Watt meter complete the timeless design.

Discover the awe-inspiring MC2.1KW at McIntosh dealers worldwide and immerse yourself in its unmatched sonic splendor.

Contact your local dealer today and elevate your home audio to unprecedented heights with McIntosh.



Output Module



Power Module

MC2.1KW
SPECS

SYSTEM

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

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

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

McIntosh®



About McIntosh

McIntosh Laboratory, Inc. is the premier American designer and manufacturer of high-fidelity audio equipment.

Founded in 1949, McIntosh products are handcrafted by experts passionate about creating an unmatched sonic experience. From its factory in Binghamton, New York to all corners of the world, the McIntosh blue meters have become a symbol of quality audio and continue to own the premiere position in home audio entertainment for discerning

listeners. Powering events like President Lyndon Johnson's inauguration speech, world-renowned concert systems like Woodstock, the Grateful Dead's Wall of Sound and Despacio, McIntosh has shaped some of the most important moments in music and culture. McIntosh gives music enthusiasts the power to create their ultimate sound experience.

For the Consumer's Protection

In order to ensure the highest level of customer satisfaction, new McIntosh products may only be purchased from an Authorized McIntosh Dealer; and, with certain limited exceptions may only be purchased over-the-counter or delivered and installed by the Authorized McIntosh Dealer. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized McIntosh Dealer, or that have had their serial numbers altered or defaced.

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