

# McIntosh®

## C55 AUDIO PREAMPLIFIER



- The C55 Preamplifier is a pinnacle of sonic excellence designed for audiophiles, music enthusiasts, and dedicated McIntosh fans alike.
- With precision and craftsmanship, the C55 proudly takes its place as a true industry leader.
- With a staggering 16 inputs (9 analog, 7 digital), the C55 becomes the nerve center of your audio universe.
- Analog inputs include 3 balanced, 4 unbalanced connections, along with 2

phono inputs configurable for either Moving Coil or Moving Magnet phono cartridges to connect your turntable(s).

- DA2 Digital Audio Module houses 7 digital inputs and is powered by an audiophile-grade Quad Balanced, 8-channel, 32-bit Digital-to-Analog Converter (DAC).
- The DA2 offers an array of connections, including an audio-only HDMI Audio Return Channel (ARC)<sup>1</sup> input, ushering your TV sound into a new era through your home stereo system.

- The DA2's other 6 digital inputs consist of 2 coaxial, 2 optical, 1 USB, and 1 MCT. The USB input supports DSD512 and DXD 384kHz. The coax and optical inputs decode digital music up to 24-bit/192kHz for high resolution audio playback.
- 3 stereo sets of variable balanced and unbalanced outputs offer advanced connection flexibility.
- Features the return of the Processor Loop, something that has not been

available on the last few generations of McIntosh preamplifiers.

- Connect the C55 to your network to unlock control options offered through our complimentary Connect app.
- Elevate your sound journey with the C55 Preamplifier.

#### Footnote

1. The HDMI ARC input will only play audio from a compatible TV. It will not pass video to or from a TV, or play audio from any non-TV source.

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NOTE: ALL MEASUREMENTS WITH EQ FILTERS AND OUTPUT FILTERS BYPASSED.

### Frequency Response

+0, -0.5dB from 20Hz to 20,000Hz  
+0, -3dB from 15Hz to 100,000Hz

### Total Harmonic Distortion

0.005% from 20Hz to 20,000Hz

### Rated Output

2.5V Unbalanced  
5V Balanced (Main)  
450mV (Fixed Output)

### Maximum Voltage Output

8V RMS Unbalanced  
16V RMS Balanced

### Sensitivity (for rated output)

High Level  
450mV Unbalanced  
900mV Balanced  
Phono MM, 4.5mV  
Phono MC, 0.45mV

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

High Level - 100dB  
(Below rated output)  
MM Phono - 82dB  
(Below 5mV input)  
MC Phono - 80dB  
(Below 0.5mV input)  
**Input Impedance**  
High Level  
22K ohms Unbalanced  
44k ohms Balanced  
Phono 1, 2 (MM and MC): 25, 50,  
100, 200, 400, 1k or 47k ohms 50  
to 400pF in 50pF steps

### Maximum Input Signal

High Level  
5V Unbalanced  
10V Balanced  
Phono MM, 80mV  
Phono MC, 8mV

### Equalizer Controls

25Hz, 50Hz, 100Hz, 200Hz, 400Hz,  
1,000Hz, 2,500Hz and 10,000Hz

### Voltage Gain

High Level to Fixed Output: 0dB  
High Level to Main Output: 15dB  
Phono 1, 2 (MM and MC) Selectable  
40dB, 46dB, 52dB,  
58dB, or 64dB

### Output Impedance

100 ohms Unbalanced  
200 ohms Balanced

### Headphone Load Impedance

100 ohms to 600 ohms

### Digital Input Sample Rates

Coaxial: PCM - 16Bit, 24Bit -  
44.1kHz to 192kHz  
Optical: PCM - 16Bit, 24Bit -  
44.1kHz to 192kHz  
USB: PCM - 16Bit, 24Bit, 32Bit -

44.1kHz to 384kHz

MCT: PCM, SACD, -16Bit, 24Bit -  
44.1kHz to 192kHz, DXD -  
DXD352.8kHz, DXD384kHz DSD -  
DSD64, DSD128, DSD256,  
DSD512  
HDMI: PCM 24bit, 44.1kHz -  
192kHz  
DTS, Dolby Digital

### Power Control and Trigger Output

12VDC, 25mA

### Power Requirements

AC Voltages: 100, 110, 120, 220,  
230, 240 Volts, 50/60Hz at 75 watts.  
Standby Power, less than 0.5 watts

### Overall Dimensions

Width is 17 1/2 inches (44.4cm)  
Height is 7 5/8 inches (19.4cm)  
Depth is 16.5 inches (41.9cm)

### Weight

28 pounds (12.5 kg) net, 43.5 pounds  
(19.7 kg) in shipping carton

### Shipping Carton Dimensions

Width is 27 inches (68.6cm)  
Height is 12 inches (30.5cm)  
Depth is 25 inches (63.5cm)

### Learn more

Visit [mcintoshlabs.com](http://mcintoshlabs.com)



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