

McIntosh®

C2800 VACUUM TUBE PREAMPLIFIER



- The C2800 Vacuum Tube Preamplifier is a masterpiece of audio passion and engineering precision. Crafted for discerning music lovers, performance has been woven into the very fabric of this audio treasure.
- At the very heart of the C2800, lies methodically designed vacuum tube circuitry.
- With a staggering 16 inputs (9 analog, 7 digital), the C2800 will become the nucleus of your home audio system.
- There are 3 balanced and 4 unbalanced analog inputs, plus 2 phono inputs that can be configured 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)¹ 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 to connect the C2800 to your power amplifier(s).
- Features the return of the Processor Loop, something that was not available on the last few generations of McIntosh preamplifiers.
- Connect to your network to unlock control options offered through our complimentary Connect app.
- With the C2800, experience the warmth and richness that only vacuum tubes can offer, elevating your listening experience to new heights.

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 100kHz

Total Harmonic Distortion

0.08% 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 - 75dB
(Below 5mV input)
MC Phono - 75dB
(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

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

Tube Complement

4 Tubes: 3-12AX7A and 1-12AT7

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

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