

C2300 TUBE PREAMPLIFIER



The C2300 tube preamplifier delivers a new level of performance and value. Potent engineering enhancements combine with smart, user-programmable features to deliver a truly extraordinary audio preamplifier.

The two phono preamplifiers, moving coil and moving magnet, are both 12AX7A tube based. Programmable Load and Resistance is selectable by remote control so the adjustments can be made from the listening position.

Bass and Treble controls are also adjustable by remote control. Individual tone settings and mono/stereo mode may be stored in memory for each of the 8 inputs. Tone Bypass may also be assigned which completely removes the tone controls from any designated input.

The C2300 is both beautiful to look at as well as listen to. The custom top cover features a silk-screened glass window which reveals a unique, slant-mount tube array. With its classic McIntosh glass faceplate, twin blue output meters and ergonomically pleasing rotary controls, the C2300 is poised to serve as the centerpiece of any fine music system.

Six Vacuum Tube Design

Variable Rate Volume with Multi-Stage Precision Digitally Controlled Attenuator

Vacuum Tube Moving Coil and Moving Magnet Phono Preamplifiers

Custom Top Cover with Lighted Tube View

Custom R-Core Power Transformer

IR Remote Control

Low Impedance Headphone Amplifier with 1/4" Jack

Pass-Thru Integration

McIntosh®

LEGENDARY™

EIGHT PROGRAMMABLE SOURCE SELECTIONS

All eight source selections accommodate unbalanced inputs while four also accommodate balanced inputs. Any of 12 standard names can be assigned to a source selection and the panel display can be customized to indicate only available sources.

SILENT ELECTROMAGNETIC SWITCHING

Signal routing is accomplished through digitally controlled electromagnetic switching devices. Precision switch contacts, isolated from environmental contamination inside inert gas-filled glass tubes, provide the most reliable, quietest and lowest distortion switching possible.

VRV (VARIABLE RATE VOLUME) DIGITALLY CONTROLLED ATTENUATOR

The output attenuator controls volume over 214 steps of .5dB each with accuracy within .1dB. The volume vs. rotation rate varies as preamplifier gain varies and attenuation changes occur at the zero crossings of the audio signal to prevent audible artifacts during adjustment.

FOR THE CONSUMER'S PROTECTION

In order to ensure the highest level of customer satisfaction, "new" McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer.

McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be "used" and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.

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FREQUENCY RESPONSE

+0, -0.50dB from 20Hz to 20kHz
+0, -1dB from 10Hz to 100kHz

RATED OUTPUT

Balanced: 5VRMS at MAIN, 1 and 2
Unbalanced: 2.5VRMS at MAIN, 1 and 2

OUTPUT IMPEDANCE

250 Ohms

MAXIMUM VOLTAGE OUTPUT

Balanced: 16VRMS at MAIN, 1 and 2
Unbalanced: 8VRMS at MAIN, 1 and 2

TOTAL HARMONIC DISTORTION

0.08% maximum from 20Hz to 20kHz

SENSITIVITY

Phono, MC: 0.45mV for 2.5V
Phono, MM: 4.5mV for 2.5V
High Level: 450mV for 2.5V

SIGNAL-TO-NOISE RATIO (A-Rated)

Phono: 80dB
High Level: 93dB

MAXIMUM INPUT SIGNAL

Phono, MC: 5mV Phono, MM: 50mV
High Level: 5V Balanced

INPUT IMPEDANCE

Phono: MC: 25, 50, 100, 200, 500, or 1000 Ohms
MM: 47k Ohms, 50 to 750pF, 50pF steps
High Level:
Balanced: 40k Ohms
Unbalanced: 20k Ohms

VOLTAGE GAIN

Phono, Moving Coil to Record Output: 60dB
Phono, Moving Magnet to Record Output: 40dB
High Level to Record Output: 0dB
High Level to Main Output: 15dB

OVERALL DIMENSIONS (H x W x D)

7-1/8" (18.1 cm) x 17-1/2" (44.4 cm) x 14-1/2" (36.8 cm) including clearance for connectors.
Knob clearance in front of the mounting panel is 3/4" (1.9 cm)

WEIGHT

29.5 lbs. (13.41 kg) net
44.9 lbs. (20.41 kg) in shipping carton