



C1000
**Configurable Tube/
Solid-State Controller
and Preamplifier**



**“all of McIntosh’s engineering expertise
in a choice of solid-state, tube or both”**

The debate over which sounds better; tubes or transistors, is still going strong after forty years. McIntosh has led in both technologies and the C1000 raises the bar once again. A three chassis design allows the customer the flexibility to choose solid state, vacuum tube or both technologies.

Music handling is accomplished in its own Dual Mono, preamplification module, yielding over 130dB of channel separation for ultimate stereo fidelity.

All three modules may be combined for the ultimate in flexibility, with each source available through either preamplification module, selectable at the push of a remote-control button.

The C1000’s are available exclusively through select McIntosh Authorized Premier Dealers.

- Low Noise MM and MC Phono Inputs
- Fully Balanced Circuitry
- Dual Mono, Mirror Image Design
- 3 Outputs per Channel for Tri-Amping
- Listen and Record Processor Loops
- Peak Responding Output Meters
- Front-Panel 1/4" Headphone Jack
- Remote Controllable
- Fiber-Optic Front Panel Illumination
- Florescent Display of Operating Modes
- Pass through Home Theater Mode

POWER OUTPUT

A Tradition of Excellence



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C1000 Controller Preamp

TRI-AMPLIFICATION

All three balanced outputs carry the same signal and bypass switching when the TRI-MODE is programmed. This allows tri-amplification of a speaker set, while the unbalanced outputs will still switch to control a remote amplifier.

VRV (VARIABLE RATE VOLUME) DIGITALLY CONTROLLED ATTENUATOR

The output attenuator controls volume over 214 steps of .5dB each with accuracy within .1dB. The volume versus 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.

ELECTROMAGNETIC SWITCHING

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

PHONO SECTION FLEXIBILITY

Moving Magnet has adjustable capacitance from the remote to allow flexibility in matching your favorite turntable. Moving Coil offers adjustable resistance also from the remote control for the same flexibility.

FREQUENCY RESPONSE

C1000P: +0, -0.5dB from 10Hz to 40kHz
C1000T: +0, -0.5dB from 10Hz to 20kHz

TOTAL HARMONIC DISTORTION

C1000P: 0.002% max from 20Hz to 20kHz
C1000T: 0.8% from 20Hz to 20kHz

RATED OUTPUT

C1000P and C1000T: Balanced: 5VRMS
at MAIN, SPKR1 and SPKR2
Unbalanced: 2.5VRMS at MAIN, SPKR1
and SPKR2

MAXIMUM VOLTAGE OUTPUT

C1000P: 12V RMS Unbalanced,
25V RMS Balanced
C1000T: 8V RMS Unbalanced,
16V RMS Balanced

INPUT IMPEDANCE

C1000P and C1000T: High Level, 22k ohms
Phono MM, 47k ohms; 50 to 750pF,
in 50pF steps
Phono MC, 25, 50, 100, 200, 400 or
1,000 ohms; 100pF

OUTPUT IMPEDANCE

C1000P and C1000T: 220 ohms

SENSITIVITY

C1000P: High Level, 450mV for 2.5V
rated output
Phono MM, 4.5mV for 2.5V
rated output
Phono MC, 0.45uV for 2.5V
rated output
C1000T: High Level, 450mV for 2.5V
rated output
Phono MM, 4.5mV for 2.5V
rated output
Phono MC, 0.45mV for 2.5V
rated output

SIGNAL-TO-NOISE RATIO

C1000P: High Level 100dB;
Phono 88dB
C1000T: High Level 93dB;
Phono 80dB

CHANNEL SEPARATION

C1000P and C1000T:
Greater than 130dB

MAXIMUM INPUT SIGNAL

C1000P and C1000T: High Level,
5V Unbalanced, 10V Balanced
Phono MM, 50mV; Phono MC, 5mV

VOLTAGE GAIN

C1000P and C1000T:
Phono, MC to Record Out: 60dB
Phono, MM to Record Out: 40dB
High Level to Record Out: 0dB
High Level to Main Out: 15dB

POWER REQUIREMENTS

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

TUBE COMPLIMENT C1000T

High Level: 4-12AX7A
Phono: 4-12AX7A

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

C1000C, C1000P and C1000T:
6" (15.24cm) x 17-1/2" (44.45cm) x 24" (61cm)

WEIGHT

C1000C: 39 lbs. (17.7kg) net;
61.4 lbs. (27.9kg) in shipping carton
C1000P: 33 lbs. (15kg) net;
53.6 lbs. (24.3kg) in shipping carton
C1000T: 34 lbs. (15.4kg) net;
54.6 lbs. (24.8kg) in shipping carton.

