C41 Audio Control Center
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What is the difference between state-of-the-art and traditional? For a McIntosh Control Center... everything. And nothing. The qualities that define the C41 as a traditional McIntosh – ultra-wide dynamic range, near-zero distortion, superior electronic and mechanical design – transcend any fleeting description. The C41’s audio excellence will never go out of style.

Featured Technologies

SILENT ELECTROMAGNETIC SWITCHING. In a conventional preamp, an input signal travels to a switch, and then travels to the input circuitry. Unfortunately, the farther a signal must travel, the more distorted it becomes. And this says nothing of what detritus a dirty switch can add to the signal. McIntosh Silent Electromagnetic Switching literally brings the switch to the input. The distortion-free switch consists of a glass tube containing oxygen-free gas and two signal leads separated by mere thousandths of an inch. The tube sits in a multilayer copper coil and the entire assembly is encased in shock-absorbent plastic. When DC voltage is applied to the coil in response to a switching command, current flow creates a magnetic field that causes the leads to bend and contact one another, completing the circuit. The inert gas eliminates corrosion of the contacts, ensuring a low-resistance, distortion-free switch that never needs cleaning. Another benefit is that non-selected inputs are truly “off,” eliminating potential sources of interference.

PRECISION-TRIMMED VOLUME CONTROL. Level differences among channels in a stereo or surround system compromise sound imaging. The left and right sections of the C41’s volume control are electronically trimmed for superior tracking.
**EXCLUSIVE MCINTOSH TONE CONTROLS.** Judicious use of well-designed bass and treble controls can compensate for acoustical irregularities. The C41’s tone controls offer ±12dB adjustments with fine resolution, yet in the “flat” position are completely removed from the signal path.

**CONTROL DATA OUTPUTS.** To facilitate system integration, the C41 outputs control data for source components. This allows remote operation of non-McIntosh components either by direct connection to compatible data inputs or via a McIntosh Remote Translator, a “learning” device that makes it possible to operate virtually any component with the C41’s remote.

**BALANCED CONNECTIONS.** A premium feature not usually found in consumer audio gear, balanced connections guard against induced noise and allow long cable runs without compromising sound quality. A balanced connection between the C41 and the MC202 Power Amp provides 40dB more noise protection than would an unbalanced (“single-ended”) connection.

**REMOTE POWER CONTROL.** The C41 has four separate remote power jacks (main, accessory, switched 1, switched 2) that enable it to turn connected power amps on/off.

**Featured Technologies (cont’d.)**

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FEATURES

Extra-wide dynamic range
Ultra-low distortion
Silent electromagnetic switching
Precision-trimmed volume control
9 source selections including MM phono
Balanced input
Balanced main output
3 unbalanced outputs (Main, 1, 2)
Independent listen and record selection
Dual processor loops
Control data output for source components
Remote power control (1 main, 1 accessory, 2 switched)
Power and mute indications shown on remote sensor
Accommodates more sources with McIntosh MVS3 A/V Selector
Exclusive McIntosh tone controls
Switchable loudness compensation
Auto muting during power-up
Electronically regulated power supply
Double-shielded power transformer
Low-noise 1% metal film resistors
Gold-plated input and output jacks
Modular construction with steel chassis
Glass front panel with illuminated nomenclature
Infrared remote control
Connector for external IR sensor
Headphone jack

SPECIFICATIONS

Frequency Response
20Hz to 20kHz, +0 / -0.5dB

Rated Voltage Output
2.5Vrms (balanced and unbalanced)

Maximum Voltage Output
8Vrms

Output Impedance
250 ohms

Total Harmonic Distortion
0.002% maximum from 20Hz to 20KHz

Input Sensitivity
Phono: 2.5mV for rated output
(0.5mV IHF)
High level: 250mV for rated output
(50mV IHF)

Maximum Input Signal
Phono: 90mV
High level: 10V

A-Weighted Signal-to-Noise Ratio
Phono: 90dB below 10mV input
(84dB IHF)
High level: 103dB below rated output
(93dB IHF)

Input Impedance
Phono: 47k ohms, 65pf
High level: 22k ohms

Voltage Gain
Phono to tape: 40dB
Phono to main: 60dB
High level to tape: 0dB
High level to main: 20dB

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Tone Controls
Bass: ±12dB @ 20Hz
Treble: ±12dB @ 10kHz

Power Requirements
120V 50/60Hz, 20W

Dimensions (h x w x d)
in: 5.44 x 17.5 x 17.5
cm: 13.8 x 44.5 x 44.5
includes clearance for connectors
Knob clearance: 0.75" (1.9 cm)

Weight
23 lbs. (10.5kg) net
40 lbs. (18.2kg) shipping