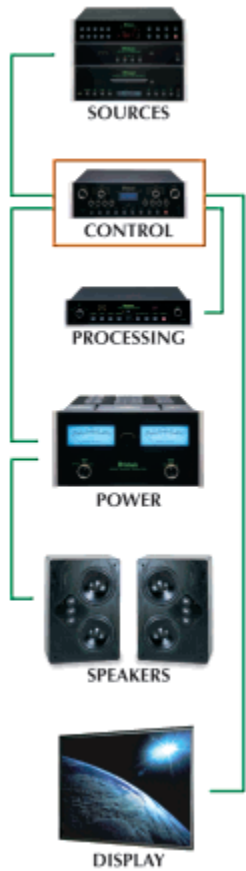




C41 Audio Control Center

# C41

## Audio Control Center



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.

See “SYSTEMS ENGINEERING”  
in main brochure for more on  
McIntosh system architectures.

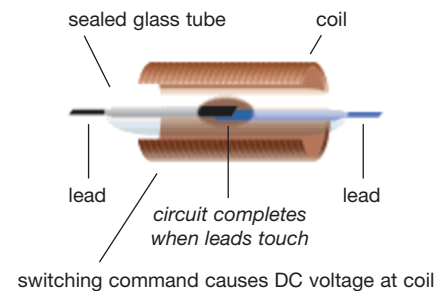
### Featured Technologies

**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.



The input selectors on McIntosh Control Centers actually control state-of-the-art silent electromagnetic switches.



## About the C41 Companion Products

The McIntosh products shown at right are logical companions for the C41. Separate literature is available. Check with your McIntosh dealer for any late additions. McIntosh speaker systems are also covered in detail in separate literature.

**MC202 Power Amplifier, MDA700 D/A Converter, and MCD751 CD Transport.** The MC202 has a balanced input that complements the C41's balanced output. Add the MDA700 converter plus the MCD751 transport to create an affordable, high-resolution audio system.

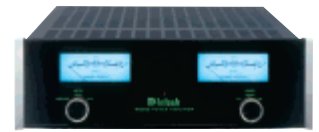
**MR85 AM/FM Tuner.** A natural companion, the MR85 tuner is a thoroughly engineered broadcast monitor that reveals the upper limits of AM and FM performance. A second, independent tuner (TM1) can be installed into the MR85 for multizone applications.

**MVS3 A/V Selector.** The MVS3 connects to the C41's VIDEO data output and accommodates five additional A/V sources, resulting in a very capable A/V Control Center.

**RCT3 Remote Translator.** The Translator allows non-McIntosh components to be operated with a McIntosh handheld remote or keypad controller. It connects to the data outputs on the C41.

**PC4 AC Power Controller.** The PC4 provides five AC outlets (four switched) for turning non-McIntosh components on and off automatically when it is connected to the power control output of a Control Center or Integrated Amplifier.

**R649 IR Sensor.** With switching for two power amps and a connector for an external sensor, the C41 can supply music to a second area with remote operation via the R649 wall-mount sensor.



MC202 POWER AMPLIFIER



MDA700 D/A CONVERTER



MCD751 CD TRANSPORT



MR85 AM/FM TUNER



MVS3 A/V SELECTOR



RCT3 REMOTE TRANSLATOR



PC4 AC POWER CONTROLLER



R649 IR SENSOR



As seen on the inside surface of this demonstration piece, the screening process for a McIntosh glass panel entails as many as 12 individual layers.

The glass panels are cut using a computer-controlled high-pressure water jet.



## Featured Technologies (cont'd.)

**EXCLUSIVE MCINTOSH TONE CONTROLS.** Judicious use of well-designed bass and treble controls can compensate for acoustical irregularities. The C41's tone controls offer  $\pm 12$ dB 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.

Why  
Choose  
McIntosh  
?

Most consumer electronics products are necessarily viewed as short-term investments because either they don't last or they quickly become obsolete in some way. *Coincidentally*, manufacturers supply a steady stream of "new-and-improved" products that you can buy. *Again*.

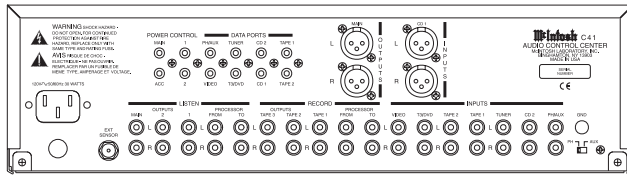
Behind every McIntosh is a fifty-year heritage of excellence, proudly carried forward by every employee. No production

lines, no "price-point" engineering, no planned obsolescence. McIntosh equipment is made to sound better and last longer.

When McIntosh products are presented to customers, the criteria they have been conditioned to overlook – reliability, longevity, craftsmanship, ease-of-use, adaptability, pride of ownership – suddenly leap to the top of their list.

The choice becomes clear: ***There is nothing like a McIntosh.***

# C41 Audio Control Center



## 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

### Tone Controls

Bass:  $\pm 12$ dB @ 20Hz  
Treble:  $\pm 12$ dB @ 10kHz

### Power Requirements

120V 50/60Hz, 20W

### Dimensions (h x w x d)

inch: 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