

**C45**  
**Stereo & Multi-Channel**  
**Audio Control Center**



**“...audio purity without sacrifice...  
flexibility without compromise  
...all in a single component”**

The C45 is the perfect choice for those who wish to enjoy multi-channel audio in addition to pure stereo. While the C45 contains no decoders, two sets of 6-channel inputs enable use with source components, such as DVD players, that contain built-in decoders for the latest formats, including DVD-A, SACD, Dolby Digital, DTS, etc. Each 6-channel input may be assigned to any of the eight source inputs.

The C45 Audio Control Center was designed for the music lover. Ultra-short signal paths and use of sealed, gas-filled switching nodes prevent preamp noise from entering the signal path.

Volume for each of the six channels is controlled individually by a precision attenuator, part of a sophisticated 2-stage circuit design, to ensure accuracy, maximize dynamic range and eliminate the effects of mechanical wear.

Other source inputs include a high-performance phono stage for your turntable. An expansion slot enables internal installation of an optional AM/FM stereo tuner module by an Authorized Dealer. The tuner module delivers the same high-quality AM/FM performance as McIntosh component tuners.

**Phono Input (MM)**  
**CD Input x 2 Pair**  
**DVD Input**  
**SAT Input**  
**Optional Tuner Module**  
**6-Channel Inputs x 2 Sets**  
**Balanced Input**  
**6-Channel Outputs:**  
    **1 set balanced**  
    **1 set unbalanced**  
**8 Data Ports**  
**IR and Keypad Inputs**  
**Dual Record Outputs**

*A Tradition of Excellence*



McIntosh Laboratory, Inc. 2 Chambers Street, Binghamton, New York 13903-2699  
Tel (607) 723-3512 • US Toll-Free (800) 538-6576 • Fax: (607) 724-0549 • www.mcintoshlabs.com

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## C45 Stereo & Multi-Channel Audio Control Center

### SELECTABLE INPUT TITLES

The displayed name of each input of the C45 may be changed to match the available sources.

Names are chosen from a selection of 14 different titles.

Additionally, the sensitivity for each input is adjustable to enable a uniform volume level between source components.

### VOLUME LEVEL

Master volume control for all channels is achieved through a sophisticated optical encoder. Utilizing light pulses ensures accuracy and eliminates effects of mechanical wear.

### BASS AND TREBLE CONTROLS

Precision tone shaping circuitry is provided to enable adjustment of the acoustic balance of the sound. A bypass switch completely removes the tone controls from the audio signal path.

### WIRELESS REMOTE CONTROL

An IR remote control is included. Remote keypads and external sensors are available.

### HEADPHONE JACK

A high quality headphone amplifier is built in for private listening.

### FREQUENCY RESPONSE

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

### MAXIMUM VOLTAGE OUTPUT

8V (unbalanced)  
16V (balanced)

### TOTAL HARMONIC DISTORTION

0.002% max. from 20Hz to 20kHz

### SENSITIVITY

Phono: 4.5mV for rated output  
High Level:  
450mV for rated output (unbalanced)  
900mV for rated output (balanced)

### A-WEIGHTED SIGNAL-TO-NOISE RATIO:

Phono: 86dB  
High Level: 96dB

### MAXIMUM INPUT SIGNAL

Phono: 50mV  
High Level:  
5V (unbalanced)  
10V (balanced)

### INPUT IMPEDANCE

Phono: 47k ohms, 65pf  
High Level:  
22k ohms (unbalanced)  
50k ohms (balanced)

### OUTPUT IMPEDANCE

250 ohms (unbalanced)  
500 ohms (balanced)

### VOLTAGE GAIN

Phono to Tape/VCR out: 40dB  
Phono to Output (Main): 55dB  
High Level to Tape/VCR Out: 0dB  
High Level to Output (Main): 15dB

### POWER REQUIREMENTS

120V 50/60Hz, 35 watts

### OVERALL DIMENSIONS

(H x W x D including feet and knobs)  
6" (15.24cm) x 17-1/2" (44.45cm)  
x 16-1/2" (41.91cm)

### WEIGHT

21 lbs. (9.53kg) net  
35 lbs. (15.88kg) boxed

Two 6-Channel Inputs  
2-Stage Electronic Volume Control  
Information Display  
Assignable Balanced Input  
Balanced Outputs  
Ultra Quiet, Precision Phono Section  
Tone Control Bypass  
Input Level Trimming  
Fiber-Optic Front Panel illumination

