

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

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.

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

