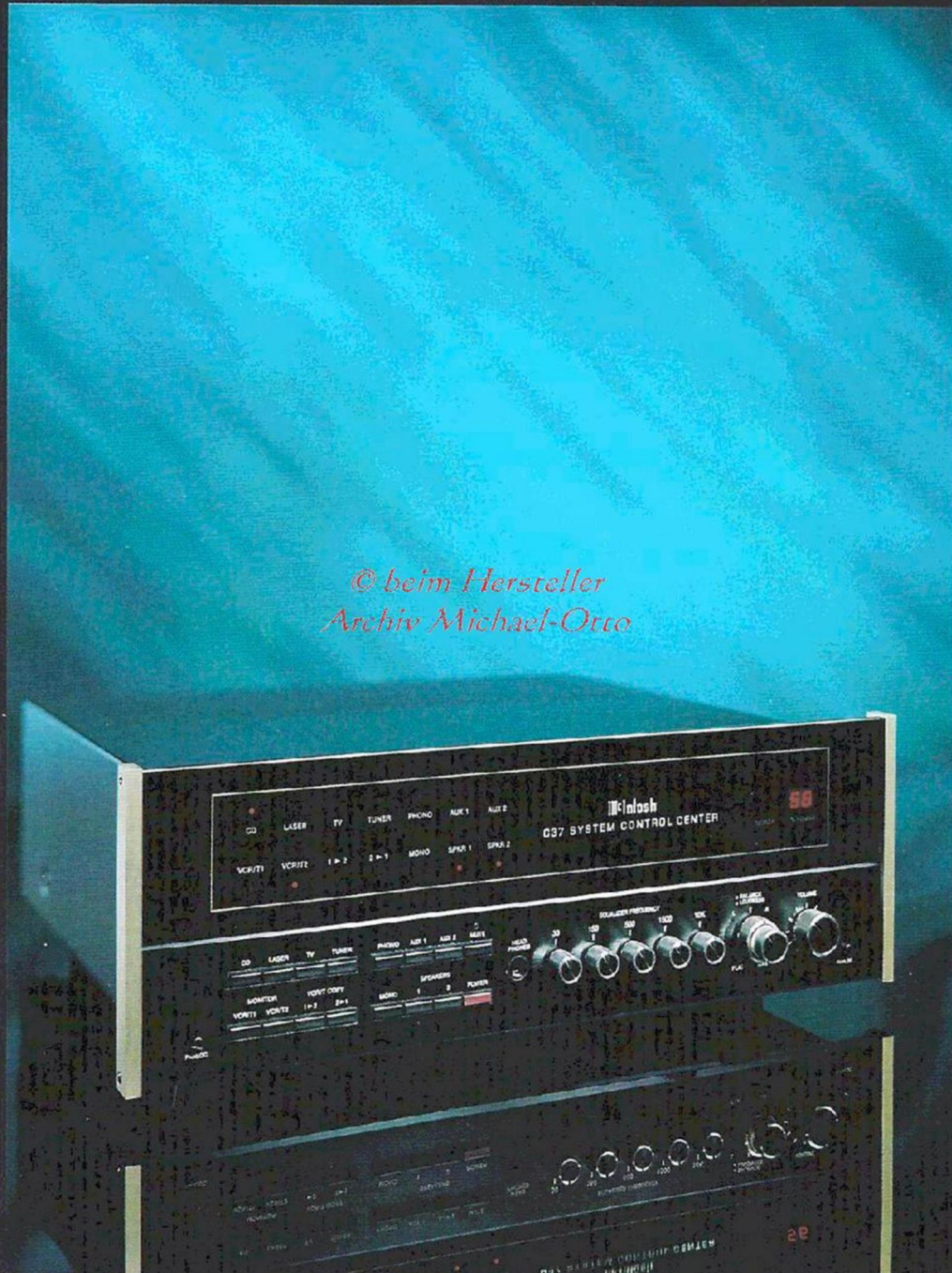


McIntosh®

C37

System Control Center

*© beim Hersteller
Archiv Michael-Otto*



The integration of both high quality audio and video sources can create a home listening environment that is unmatched by any other entertainment media. Now, the pursuit of such a combination brings you the McIntosh C37 System Control Center — the ideal choice as the heart of today's high fidelity sound systems.

The C37 combines time honored McIntosh engineering and construction with a level of flexibility and performance second to none. The control functions of the C37 include:

- A five band precision equalizer
- Nine sets of stereo inputs
- Two independent external processor loops
- Continuously variable loudness compensation
- Multi-room, multi-amplifier/speaker remote switching capability when used with the CR8 remote control system.

However, before we detail all that which makes the C37 unique among home system control centers, it is important to understand what makes a McIntosh component so special.

combined with ultra-conservative engineering and design, ensures every McIntosh component will meet or beat the cutting edge stated performance standards.

The C37 is the latest in a long line of McIntosh control centers. With it, McIntosh engineers have melded their years of experience with the latest in video and wireless remote switching technology — to achieve a new standard of performance in home entertainment control centers.

The C37: Flexibility Personified

The C37 control panel offers an abundance of input and output switching possibilities. Precise control can be maintained over the simplest to the most elaborate of systems — all with extremely low noise and distortion and absolute fidelity accuracy.

In addition, the new, motorized volume control and the majority of other control functions can be accessed with the included wireless, infrared remote control.



Rear view

The McIntosh Philosophy

The McIntosh name has come to represent the standard against which all others are judged in high fidelity components. Since 1949 McIntosh has built upon a single fundamental concept: to manufacture the finest quality audio components using superior engineering, the best component parts available, and dedicated teams of highly skilled craftspeople to assemble them.

At the McIntosh factories in Binghamton, New York, each McIntosh product is built by groups of highly trained individuals who specialize in construction of specific components. Certain teams build power amplifiers, others tuners, and still others, control centers. These teams assemble McIntosh components from start to finish, beginning with raw materials, and ending up with a finished unit, ready for performance evaluation.

McIntosh teams in Binghamton build and finish vital sub-assemblies, including printed circuit boards, heavy gauge steel chassis components, silk screened glass face panels, transformers, and a myriad of other assemblies.

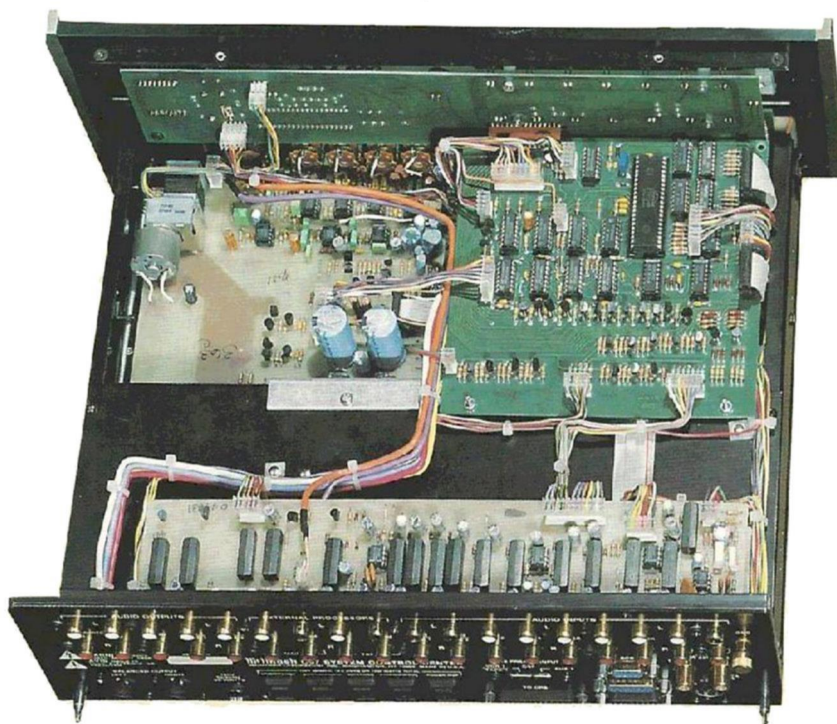
McIntosh 100% AQL (Acceptable Quality Level) testing of all components and sub-assemblies,

The C37 includes gold plated audio input connectors for a phonograph, a CD player, two tape recorders (audio or video), a tuner, two auxiliary high level sources, a laser disc player, and a television set or monitor. There are two independent processor loops, one affecting the tape circuits, and the other the main outputs. Through these loops you can connect separate equalizers, surround sound decoders, reverberation processors, and other ancillary equipment.

Rear panel output connections include main amplifier, two sets of secondary switched amplifier outputs, balanced main amplifier outputs, and two tape/VCR audio recording outputs.

The C37 non-signal rear panel connections consist of five AC outlets, remote control connectors for a McIntosh CD player and tuner, SCR-3 Speaker Control Relay, two remote area sensors, connectors for the McIntosh multi-room, multi-source remote control system and a data out port to remotely control other equipment.

The C37 offers an unlimited menu of control possibilities. While your audio system might start with just a phonograph or CD player, it will never outgrow the switching and signal processing capabilities of the C37.



Top Interior view

Unlimited Signal Processing Control

Just a cursory glance at the C37 front panel reveals precision control over all the signals the C37 is called upon to process. A new, computer grade motorized volume control achieves specific channel to channel tracking balance while having no adverse sonic effect on the signal (relative output levels are indicated with a front panel digital readout).

The five band McIntosh Graphic Equalizer allows matching the sonic signatures of source and loudspeaker sound qualities to the listening environment. Variations in recording quality and compromises in speaker location can be compensated for quickly and easily.

Variable Loudness Compensation

The human ear is primarily sensitive to mid-range frequencies. As volume is reduced, the imbalance of hearing sensitivity increases. In an attempt to adjust system frequency balance to compensate for inconsistencies of the human ear, many hi-fi component designers have used only a "loudness switch". Such a design will always be incorrect, since the loudness compensation is varied by the position of the volume control. The component designer has no practical way to determine the sensitivity of the speakers used with the system, or the size of the room the system will be located in. He must choose an average level of compensation and hope for the best.

The McIntosh Variable Loudness Compensation system, on the other hand, functions independently from the volume control. Loudness compensation may be adjusted to the characteristics of the

speakers, the system, the room, and the preference of the listener! From fortissimo to crescendo, the C37 will make music sound right, all the time.

The C37 includes a built-in headphone amplifier whose output is adjusted by the tone circuits and volume control. The C37 also incorporates the exclusive McIntosh Professional Panloc Mounting System for custom installations, as well as for mounting in the optional McIntosh genuine walnut freestanding cabinet.

C37 Technology

The C37 incorporates over two decades of careful McIntosh engineering knowledge and finesse. Critical circuits include 1% tolerance metal film resistors, and 5% tolerance film capacitors for sonic accuracy and performance longevity. Input switching is accomplished with a new, advanced adaptation of electro-mechanical reed relay switching. These glass encapsulated precision switches are filled with an inert atmosphere and then sealed against contamination and degradation. The result is consistent, silent, reliable switching of all input sources. The internal contacts are gold-based, then plated with rhodium and ruthenium (the best contact material available).

All circuitry is designed for absolute low noise and optimized for accurate musical performance.

McIntosh is proud to present the exciting C37 for your approval. We believe you will find it fills every requirement as a musical instrument in the McIntosh tradition. The C37 is designed to supply years of satisfying performance — not just as a component, but as an investment in your home audio system.

Performance Guarantee

Performance limits are the maximum deviation from perfection permitted for a McIntosh instrument. We promise you that when you purchase a new C 37 from a McIntosh franchised dealer, it will be capable of or can be made capable of performance at or exceeding these limits or you can return the unit and get your money back. McIntosh is the only manufacturer that makes this statement.

Frequency Response

+0, -0.5dB from 20Hz to 20,000Hz

Rated Output

2.5V

Output Impedance

Balanced 600Ω

Unbalanced 600Ω

Maximum Voltage Output

Main and Tape Output- 8V from 20 to 20,000 Hz

Total Harmonic Distortion

0.002% maximum from 20 to 20,000 Hz at rated output.

Sensitivity

Phono- 2.5mV for 2.5V rated output (0.5mV IHF)

High Level- 250mV for 2.5V rated output (50mV IHF)

Signal To Noise Ratio, A-Weighted

Phono- 90dB below 10mV input (84dB IHF)

High Level- 105dB below rated output (95dB IHF)

Maximum Input Signal

Phono- 90mV

High Level- 10V

Input Impedance

Phono- 47k ohms and 65pF capacitance

High Level- 22k ohms

Voltage Gain

Phono to Tape- 40dB

Phono to Main- 60dB

High Level to Tape- 0dB

High Level to Main- 20dB

Equalization Controls

Variable 12dB boost to 12dB cut at center frequencies of 30, 150, 500, 1500, 10kHz

Franchised Dealer:

General Information

AC Power Outputs

3 switched, 1 power amp and 1 unswitched, 1500 watts total capacity

Power Requirements

120 Volts, 50/60Hz, 25 watts

Mechanical Information

Size:

Front panel measures 16 1/8 inches wide (41 cm) by 5 7/16 inches high (13.8 cm) by 13 inches deep (33 cm), including connectors. Knob clearance required is 1 3/8 inches (3.5 cm) in front of mounting panel.

Finish:

Front panel is glass with gold/teal nomenclature illumination and anodized gold and black aluminum. Chassis is black.

Mounting:

Exclusive McIntosh developed professional PANLOC.

Weight:

18 pounds (8.2 kg) net, 30 pounds (13.6 kg) in shipping carton.

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The continuous improvement of its products is the policy of McIntosh Laboratory Incorporated who reserve the right to improve design without notice.



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