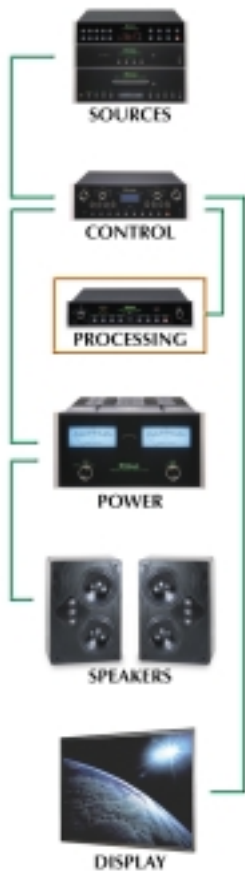


McIntosh[®]
THE GREAT AMERICAN POWERHOUSE



MDA700 D/A Converter



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

MDA700

D/A Converter



As distinctions among CD players grow ever finer, those seeking the ultimate in sonic purity find salvation through separation – one box for the transport, one box for the converter. In any case, the proliferation of digital sources argues for the use of one, multi-input D/A converter. The MDA700 features a break-through balanced/parallel design that uses eight of Burr-Brown's best D/A chips for music reproduction of unparalleled clarity. With four digital inputs and automatic selection of the correct sampling frequency, the McIntosh MDA700 will ensure uniformly excellent sound from all of a system's digital sources.

Featured Technologies

BALANCED/PARALLEL DESIGN. Eight of Burr-Brown's best 20-bit D/A chips in a balanced/parallel configuration yield one of the best conversion performances ever obtained. The balanced section cancels noise and distortion artifacts, while the parallel section reduces conversion step errors and improves linearity.

AUTOMATIC SAMPLING FREQUENCY SELECTION. The MDA700 automatically selects the correct sampling frequency to match the input signal requirements. Front panel LEDs indicate 48kHz, 44.1kHz, or 32kHz.

FOUR SELECTABLE DIGITAL INPUTS. Two coaxial and two optical digital inputs can be selected by front panel pushbuttons or via a McIntosh remote control.

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 MDA700 and a McIntosh Control Center with a balanced input (e.g., C42) provides 40dB more noise protection than would an unbalanced ("single-ended") connection.

DATA IN/OUT. These link the MDA700 to other McIntosh system components (e.g., the MCD751 CD Transport) for complete remote control.

REMOTE POWER CONTROL. This enables the MDA700 to turn on/off with other McIntosh system components.



MCD751 CD TRANSPORT



C42 AUDIO CONTROL CENTER



MC352 POWER AMPLIFIER

About the MDA700 Companion Products

The McIntosh products shown at right are logical companions for the MDA700. Separate literature is available. Check with your McIntosh dealer for any late additions. McIntosh speaker systems are also covered in detail in separate literature.

MCD751 CD Transport. The MCD751's advanced optomechanical design ensures the integrity of the digital data fed to the MDA700.

C42 Control Center and MC352 Power Amplifier. The C42 and the MC352 will form a balanced system with the MDA700. The result is musical performance essentially devoid of measurable inaccuracies.

Previous CD and Laser Disc Players. The MDA700 can upgrade the sound of previous McIntosh or non-McIntosh CD or laser disc players that provide a digital output.



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.



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.***

MDA700 D/A Converter



FEATURES

Digital-to-Analog Converter

Advanced Balanced/Parallel design uses eight Burr-Brown 20-bit D/A chips (4 per channel)

20-bit digital filter with 8-times oversampling

Analog output section with 1% metal-film resistors and 5% polyfilm capacitors for pure audio performance

110dB signal-to-noise ratio

Automatic sampling frequency selection and display (48kHz, 44.1kHz, or 32kHz)

4 digital inputs (2 optical, 2 coaxial)

Balanced and unbalanced outputs

Data in/out connections for remote operation

Remote power control

Ultra-low distortion

Gold-plated input and output jacks

Modular construction with steel chassis

Glass front panel with illuminated nomenclature

SPECIFICATIONS

Frequency Response

4Hz to 22kHz, ± 0.3 dB (48kHz)
4Hz to 20kHz, ± 0.3 dB (44.1kHz)
4Hz to 15kHz, ± 0.3 dB (32kHz)

Total Harmonic Distortion

0.0015% (1kHz)

S/N Ratio (A-Weighted)

110dB

Dynamic Range

> 100dB (1kHz)

Channel Separation

> 110dB (1kHz)

Sampling Frequency

48kHz, 44.1kHz, or 32kHz

D/A Conversion

(4) 20-bit converters per channel

Digital Filter

20-bit, 8-times oversampling

Analog Filter

3rd-order GIC Butterworth

Maximum Voltage Output

2.2Vrms

Digital Inputs

1 and 2: Optical
3 and 4: Coaxial 0.5V p-p/75 ohm

Output Impedance

220 ohms

Power Requirements

100V, 50/60Hz, 20W
110V, 50/60Hz, 20W
120V, 50/60Hz, 20W
220V, 50/60Hz, 20W
230V, 50/60Hz, 20W
240V, 50/60Hz, 20W

Dimensions (h x w x d)

inch: 3.625 x 17.5 x 15
cm: 9.2 x 44.5 x 38.1
includes clearance for connectors

Weight

32 lbs. (14.5kg) shipping

