

# MCD500 SACD/CD PLAYER



The new McIntosh MCD500 SACD/CD Player with Digital Inputs combines exceptional sound quality and flexibility with a unique parallel DAC topology. Four 24-Bit, 192 kHz PCM/DSD digital to analog converters per channel are arranged in a differential balanced configuration enabling a more faithful reproduction of the analog waveform resulting in outstanding fidelity with very low noise and distortion. The superior low-level linearity achieved by this design reveals extraordinary detail for the kind of transparency normally experienced only during live musical events.

Coaxial and Optical digital inputs allow the use of this extraordinary digital front end with external digital audio sources; everything from music servers to portable music players can benefit. Additionally, all internal clocks are generated by a phase-locked loop generator yielding stable, low jitter operation for truly error-free performance.

The MCD500 analog stages employ a differential balanced topology for wide dynamic range and the best possible fidelity. Both fixed and variable outputs are supported and a dedicated high-performance headphone amplifier with 1/4" jack is provided.

*"...enable the best performance possible from your McIntosh components"*

- Four DACs per Channel
- Die-cast Disc Tray
- 2X-speed Disc Reading
- Digital Inputs
- Variable Output w/ Volume Control
- Low Impedance Headphone Stage with 1/4" Jack

## McIntosh®

LEGENDARY™

## PARALLEL DAC TOPOLOGY

Four DACs per channel are arranged in a balanced parallel configuration for the most accurate reconstruction of the analog waveform.

## DIGITAL INPUTS

Two selectable digital inputs are provided for use with external digital sources like the MS750 Music Server. Indeed, the MCD500 has the potential to improve the sound of any digital music source.

## DRIVE MECHANISM

Die-cast, wrap-around chassis with a steel top cover dampens resonances for silent, error free operation disc reading.

## DISC READING

CDs are read into buffer memory at 2X normal speed for enhanced accuracy.

## POWER SUPPLY

A premium linear power supply features an R-Core transformer and nested regulation providing super stable DC voltage as required by the high performance digital circuits utilized.

## 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.



### FIXED OUTPUT LEVEL

2.0Vrms Unbalanced  
4.0Vrms Balanced

### VARIABLE OUTPUT LEVEL

0 - 6.0Vrms Unbalanced  
0 - 12.0Vrms Balanced

### OUTPUT IMPEDANCE

600 Ohms Unbalanced and Balanced

### FREQUENCY RESPONSE

4Hz to 40,000Hz, +0.5, -2dB (SACD)  
4Hz to 20,000Hz, ±0.5dB (CD)

### SIGNAL TO NOISE RATIO

Better than 110dB (A-weighted)

### DYNAMIC RANGE

Better than 100dB

### HARMONIC DISTORTION

0.0015% @ 1000Hz (SACD)  
0.0015% @ 1000Hz (CD)

### CHANNEL SEPARATION

Better than 98dB (1,000Hz)

### DIGITAL INPUT

Optical: -15dbm to -21dbm (PCM<sup>1</sup> - CD Format only)  
Coaxial: 0.5V p-p/75 Ohm (PCM<sup>1</sup> - CD Format only)  
Sampling Frequencies:  
44.1kHz (PCM<sup>1</sup>)

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### TRANSPORT

Laser Type: Twin Beam  
Laser Beam Wavelength: 650nm (SACD)/790nm (CD)  
Laser Power: CLASS IIa/CLASS I

### POWER REQUIREMENTS

100 Volts, 50/60Hz at 35 Watts  
110 Volts, 50/60Hz at 35 Watts  
120 Volts, 50/60Hz at 35 Watts  
220 Volts, 50/60Hz at 35 Watts  
230 Volts, 50/60Hz at 35 Watts  
240 Volts, 50/60Hz at 35 Watts  
Standby: Less than 1 Watt

Note: Refer to the rear panel of the MCD500 for the correct voltage.

### OVERALL DIMENSIONS (H X W X D)

6" (15.24cm) x 17-1/2" (44.45cm) x 16-1/2" (41.91cm)

Note: When the Disc Tray is opened, the panel clearance required in front of mounting panel is 6-3/4" (17.2cm).

### WEIGHT

28.2 lbs. (12.8Kg) net  
44.6 lbs. (20.2Kg) in shipping carton

PCM<sup>1</sup> (Pulse Code Modulation)  
Digital Signal type used for CD Discs