



MD-CD1

Technical Documentation

PRODUCT OVERVIEW

The TASCAM MD-CD1 combines CD playback and MiniDisc recording in a single unit designed to save rack space and installation budgets. The unit is stocked with features; such as, 12% pitch control, MP3 playback,



RS-232 control and an optional balanced I/O board that allow it to be specified into a wide variety of applications. CDs can be played back at up to 12% higher or lower, and can even be played back faster without changing the pitch for a "chipmunk" effect. Discs can be duplicated from CD to MiniDisc at up to 4 x speed, and a wireless IR remote is included.

MSRP \$949.00

CD Features of the MD-CD1:

- MP3 file playback / ID3 tag display
- +/-16% pitch control
- Change Tempo without affecting the KEY
- Dedicated Digital & Analog outputs
- Transport control with PS/2 Keyboard

MD Features of the MD-CD1:

- Supports ST, MONO, LP2, and LP4 mode (REC/PLAY)
- Edit function

MD Features of the MD-CD1:

- Overwrite recording
- +/-12.5% pitch control
- Dedicated Digital I/O (optical) and analog I/O (RCA)
- PS/2 Keyboard input for title input and external control

Combined Features of the MD-CD1:

- MD-CD continuous playback
- Wireless IR remote controller (RC-MC1)
- RS-232C serial control
- Optional balanced I/O board (LA-MC1)

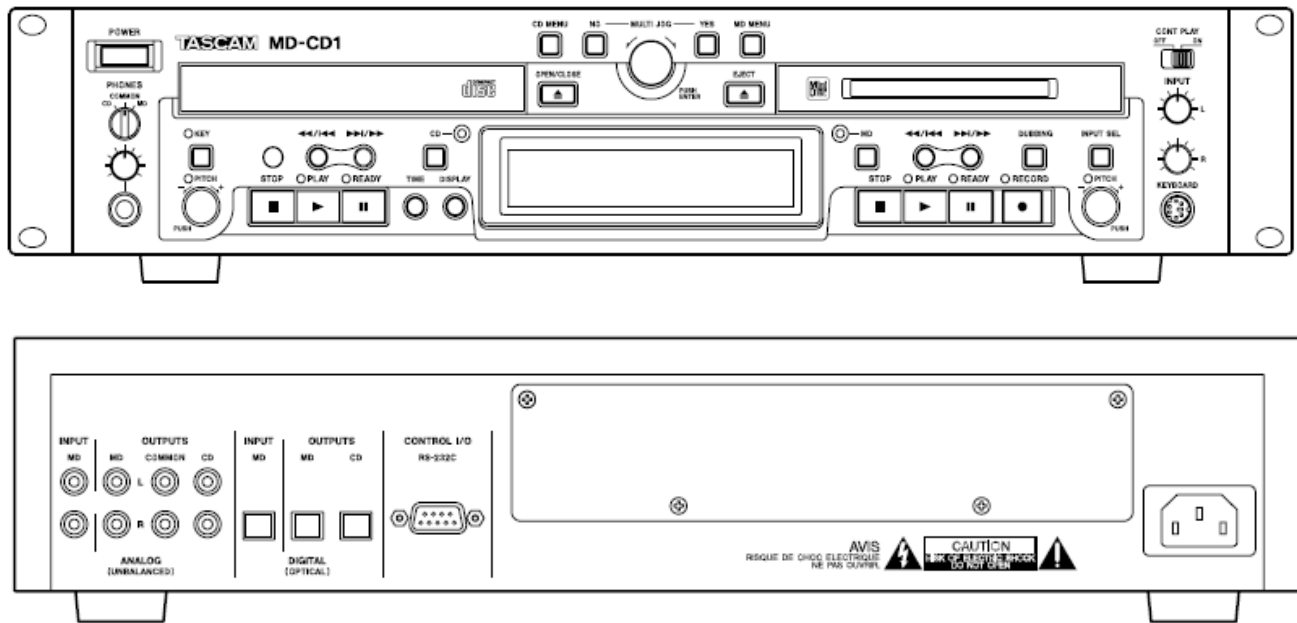
CONSULTANT'S AND SYSTEM DESIGN SPECIFICATIONS

The TASCAM MD-CD1 is a 2U rack-mountable single CD player, with a powered loading tray, and MiniDisc player/recorder. The combined features provide continuous playback between MiniDisc and CD player. Disc can be duplicated from CD to MiniDisc. Remote control (RC-MC1) is included and RS-232 external control is provided (DB9 connector).

The CD player features MP3 playback, 16% +/- pitch control, key original, and transport control via PS/2 keyboard (front panel input). Analog outputs are unbalanced RCA and Digital outputs are optical S/PDIF.

The MiniDisc player/recorder supports ST, MONO, LP2, and LP4 mode (Rec/Play) and provides 12% +/- pitch control. Title input and external control are offered via PS/2 keyboard. Rear panel analog inputs and outputs are unbalanced RCA jacks in addition to optical digital S/PDIF I/O.

Optional balanced I/O board is available (LA-MC1)



SPECIFICATIONS

MD deck

Type	MiniDisc recorder
Discs	MiniDisc format
Rec modes	Stereo/Mono/LP2/LP4
Recording format	Magnetic field modulation overwrite
Recording time	74 minutes (stereo), 148 minutes (mono) 148 minutes (LP2) 296 minutes(LP4) when using a 74-minute disc
Sampling frequency	44.1 kHz
Compression system Coding)	ATRAC (Adaptive Transform Acoustic
Frequency response	20 Hz to 20 kHz +/- 0.5 dB
S/N ratio	> 98 dB (playback, A filter), 95 dB (recording, A filter)
Dynamic range	> 98 dB (playback, A filter), > 95 dB (recording, A filter)
Total harmonic distortion	< 0.004% (playback), < 0.006% (recording)
Channel separation	> 90 dB (playback, at 1 kHz), > 83 dB (recording, at 1 kHz)

CD deck

Type	Compact Disc player
Discs	CD/CD-R/CD-RW
Formats	Audio CD (CD-DA), MP3
Frequency response	20 Hz to 20 kHz +/- 0.5 dB
S/N ratio	> 100 dB (A filter)
Dynamic range	> 100 dB (A filter)
Total harmonic distortion	< 0.004%
Channel separation	> 90 dB (at 1 kHz)
Wow and flutter	below measurable limits (less than 0.001%)

Rated input/output

Analog line input (MD input)	
Connectors	RCA
Input level	-10 dBV
Input impedance	10 kΩ

Analog line outputs

Connectors	RCA
Out put level	-10 dBV
Output impedance	570Ω

Headphones

Connectors	standard stereo jack
Max. output level	20 mW + 20 mW
Load impedance	32Ω
Digital input	TOS (EIAJ RC-5720)
Format	IEC60958 Type II (S/PDIF)

Digital output	TOS (EIAJ RC-5720)
Format	IEC60958 Type II (S/PDIF)

Keyboard	Mini DIN 6-pin
Power	USA/Canada 120 VAC, 60 Hz U.K./Europe 230 VAC, 50 Hz Australia 240 VAC, 50 Hz
Power consumption	18 W
Dimensions	483 x 94 x 308 mm 19 x 3.7 x 12.1 (in)
Weight	5.8 kg (12.8 lbs)
Operating temperature range:	5 to 40 degrees C (41°F to 104°F)

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All features and specifications are subject to change without notice. Contact your local TASCAM representative for the latest information.