

PRODUCT OVERVIEW



INTRODUCTION

The **TASCAM MD-CD1mkIII** is the only MiniDisc recorder/player reliable enough for commercial use. The combination unit includes a CD player for additional playback and dubbing.

The CD player on the MD-CD1mkIII supports MP3 and WAV file playback in addition to standard CD or CD-TEXT discs. The MiniDisc can play or record in all major formats: SP, MONO, LP2, and LP4. Discs can be dubbed from CD to MiniDisc at up to 4x speed, and continuous playback can cycle from one transport to the other. Both the CD and MiniDisc include Auto Cue and Auto Ready functions.

On the rear panel, each transport has its own set of unbalanced outputs, plus coaxial and optical S/PDIF digital outs. The MiniDisc section has unbalanced inputs, coaxial and optical digital inputs as well. An optional balancing kit, the LA-MC1, adds XLR balanced I/O to the MD-CD1mkIII. It can be controlled using RS-232C, wireless remote control, or a PS/2 keyboard.

Packing hours of playback in only two rack spaces, the MD-CD1mkIII is the only solution for installations requiring MiniDisc-format playback and recording.

FEATURES

- CD-text and ID3 display of CD tracks
- -50 to +16% pitch control for audio CD
- All / single / program (up to 99 tracks) / random / repeat playback modes
- Digital volume on output (-infinity, -54 to +18 dB)
- Fade in/out playback (1 – 30 sec, 1 sec steps)
- RCA unbalanced analog output, can be common or individual CD/MiniDisc
- S/PDIF optical and coaxial digital output
- Remote control by PS/2 keyboard
- MiniDisc supports SP (stereo) / MONO / LP2 / LP4 modes
- MiniDisc Edit functions: erase, divide, combine, move, title
- Manual Track increment by pressing the record button during recording
- Sync recording by input audio signal
- Input monitor, Auto cue, and Auto ready
- Time search by numeric keys on remote controller
- Headphone output with selectable source (MD, CD, or common)
- Dubbing from CD to MD (whole disc or by track)
- Continuous playback between MD and CD
- Independent operation of MD and CD
- Auto title input from CD-text and ID3 tag
- Wireless remote controller
- RS-232C serial remote control
- Optional LA-MC1 balanced I/O card

PANELS AND REMOTE



MD-CD1mkIII rear panel



RC-MC1
Included wireless
remote



LA-MC1
Optional balanced I/O
expansion

SPECIFICATIONS

MD Deck

Type: MiniDisc recorder
Discs: MiniDisc format
Number of channels: 2 channels (stereo)/1 channel (mono)
Rec modes: Stereo/Mono/LP2/LP4
Recording format: Magnetic field modulation overwrite
Sampling frequency: 44.1 kHz
Compression system: ATRAC (Adaptive Transform Acoustic Coding)

CD Deck

Type: Compact Disc player
Discs: CD-DA (12 cm/8 cm), CD-ROM (12 cm/8 cm), CD/CD-R/CD-RW
File system: ISO9660 LEVEL 1/2/ROMEO/JOLIET format
Formats: Audio CD (CD-DA), MPEG Audio Layer III (MP3), WAV

Audio CD playback specifications

Sampling frequency: 44.1 kHz
Quantization bit rate: 16 bit
Number of channels: 2

MP3 playback specifications

Audio modes: STEREO, JOINT STEREO, DUAL CHANNEL, MONO
Sampling frequency: 44.1 kHz
Bit rate: 32 kbps - 320 kbps, or VBR

WAV playback specifications

Sampling frequency: 44.1 kHz
Quantization bit rate: 16 bit

Input Ratings (MiniDisc)

Analog inputs (Unbalanced)

Connector: RCA pin jack
Input impedance: 22 k Ω
Nominal input level: -10 dBV (0.32 Vrms)
Maximum input level: +6 dBV (2.0 Vrms)
Minimum input level: -22 dBV (0.08 Vrms)

Digital inputs (Coaxial)

Connector: RCA pin jack

Format: IEC-60958-3 (S/PDIF, conforming to SCMS)
Sampling frequency range: 32 kHz - 48 kHz

Digital inputs (Optical)

Connector: TOS (JEITA RC-5720C)
Format: IEC-60958-3 (S/PDIF, conforming to SCMS)

Audio performance

Analog outputs (Unbalanced)

Connector: RCA pin jack
Output impedance: 200 Ω
Nominal output level: -10 dBV (0.32 Vrms)
Maximum output level: +6 dBV (2.0 Vrms)

Headphone outputs

Connector: 6.3 mm stereo standard jack.
Maximum output: 20 mW + 20 mW (1 kHz, 0.1%, 32 Ω)

Digital outputs (Coaxial)

Connector: RCA pin jack
Compatible signal format: IEC-60958-3 (S/PDIF, conforming to SCMS)

Digital outputs (Optical)

Connector: TOS (JEITA RC-5720C)
Format: IEC-60958-3 (S/PDIF, conforming to SCMS)

Control I/O

RS-232C

Communication specifications: Conforming to RS-232C protocol 1.00 specifications
Connector: D-Sub 9-pin connector

Keyboard (for PS/2 keyboard connection)

Connector: Mini DIN connector

SPECIFICATIONS (cont)**Audio Performance***Frequency response*

20 Hz - 20 kHz ± 0.5 dB (CD playback, JEITA)

20 Hz - 20 kHz ± 0.5 dB (MD playback, JEITA)

20 Hz - 20 kHz ± 0.5 dB (MD recording/playback, JEITA)

S/N ratio

100 dB or more (CD playback, JEITA)

98 dB or more (MD playback, JEITA)

95 dB or more (MD recording/playback, JEITA)

Total harmonic distortion

0.004% or less (CD playback, JEITA)

0.004% or less (MD playback, JEITA)

0.006% or less (MD recording/playback, JEITA)

Dynamic range

100 dB or more (CD playback, JEITA)

98 dB or more (MD playback, JEITA)

95 dB or more (MD recording/playback, JEITA)

Channel separation

90 dB or more (CD playback, JEITA)

90 dB or more (MD playback, JEITA)

83 dB or more (MD recording/playback, JEITA)

General / Power supply

Power: 120 VAC, 60 Hz (USA/Canada)

Power consumption: 22 W (USA/Canada)

External dimensions (W x H x D): 19 x 3.7 x 12.1
in. (483 x 94 x 308 mm)

Weight: 11.9 lbs (5.4 kg)

Operation temperature range: 5-40°C

Inclination of installation: 5° or less