

## MD-02/MD-02B

### MiniDisc Deck



The **MD-02** is a well-equipped MiniDisc® deck combining proven MD technology and easy operation in one compact rack-mountable unit. It features four recording/playback modes including LP2 (double recording time) and LP4 (four times recording time), and offers editing functions to divide, combine, move and erase tracks on the disc. The unit also offers input monitoring without a disc inserted and a sample rate converter to record from 32-kHz and 48-kHz digital sources. An auto-recording function starts and stops recording automatically depending on the input level. While recording, track numbers can be set manually or automatically by time or level and tracks can be faded in and out. Unbalanced RCA inputs and outputs as well as digital coaxial and optical inputs and outputs with digital level control are provided as standard. For any contractor and high-level consumer application, the **MD-02B** offers additional balanced XLR terminals. Both units are further equipped with headphones output with level control and a computer keyboard connector for easy titling and control. And a wireless remote control is also included.

As the only newly manufactured professional MiniDisc deck on the market, the MD-02/MD-02B is a perfect replacement for older units making it possible to use this versatile recording media for many more years.

### Main Features

- **The one and only rack-mountable MD recorder/player/editor still available on the market**
- **Comprehensive on-disc editing functions: divide, combine, move, erase, title edit**
- **Unbalanced RCA analogue input/output**
- **Balanced XLR input/output (MD-02B only)**
- **SPDIF optical and coaxial inputs and outputs**
- **Digital input level control**
- **Sample rate converter allows 48 kHz and 32 kHz digital signals to be transferred to 44.1 kHz**
- **Input monitoring without an MD disk inserted**
- **Four recording/playback modes:**
  - Stereo
  - Mono
  - LP2 (double recording/playback time)
  - LP4 (four times recording/playback time)
  - Multiple modes can be used on the same disc for recording and playback
- **Auto-recording by input level**
- **Auto track increment (by time or level)**
- **Manual track increment**
- **Fade in/out while recording**
- **ATRAC3 compression system**
- **Playback types:**
  - All tracks
  - Program (up to 32 tracks)
  - Random
  - Repeat
- **Grouping of tracks and group playback**
- **Power-on playback (playback starts when power comes up)**
- **Headphones output with level control**
- **Computer keyboard connector (PS/2) on the front panel for easy titling and control**
- **Wireless remote control included**
- **19-inch rack-mountable chassis (2U)**

### Specifications

General	
Number of audio channels	2 (stereo), 1 (mono)
Media type	MiniDisc® digital audio system
Recording system	Magnetic field modulation overwrite
Recording/playback time (74-min. MD)	Stereo: 74 minutes Mono: 148 minutes LP2: 148 minutes LP4: 296 minutes
Sampling frequency	44.1 kHz
Bit length	16 bit
Compression system	ATRAC (Adaptive TRansform Acoustic Coding)

<b>Audio performance</b>	
Frequency response	20 Hz – 20 kHz ± 0.5 dB (playback)
Signal-to-noise ratio (20-kHz LPF)	94 dB(A) or more (playback) 92 dB(A) or more (recording)
Dynamic range	94 dB(A) or more (playback) 92 dB(A) or more (recording)
Total harmonic distortion (1 kHz)	0.006 % or less (playback) 0.008 % or less (recording)
Channel separation (1 kHz)	80 dB or more (playback/recording)

<b>Analogue audio inputs and outputs</b>	
Input, balanced (MD-02B only)	XLR-3-31
Nominal input level	+4 dBu
Maximum input level	+20 dBu
Minimum input level	-8 dBu
Input impedance	14 kOhm
Output, balanced (MD-02B only)	XLR-3-32
Nominal output level	+4 dBu
Maximum output level	+20 dBu
Output impedance	200 Ohm
Input, unbalanced	RCA
Nominal input level	-10 dBV
Maximum input level	+6 dBV
Minimum input level	-22 dBV
Input impedance	22 kOhm
Output, unbalanced	RCA
Nominal output level	-10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ohm
Headphones output	6.3-mm stereo jack
Maximum output power	45 mW + 45 mW (at 32 Ohm load)

<b>Digital audio inputs and outputs</b>	
Input, optical	Digital optical, rectangular (JEITA RC-5720C)
Format	IEC 60958-3 (SPDIF)
Output, optical	Digital optical, rectangular (JEITA RC-5720C)
Format	IEC 60958-3 (SPDIF)
Input, coaxial	RCA
Format	IEC 60958-3 (SPDIF)
Output, coaxial	RCA
Format	IEC 60958-3 (SPDIF)

<b>Other inputs and outputs</b>	
Computer keyboard connector	Mini-DIN 6-pin (PS/2)

<b>Power supply and other specifications</b>	
Mains power	120/230 V AC, 50–60 Hz (USA/Canada/general export models) 230 V AC, 50 Hz (Europe) 240 V AC, 50 Hz (Australia)
Power consumption	8 W (100–120 V) 10 W (200–240 V)
Dimensions (W x H x D)	483 mm x 94 mm x 309 mm
Weight	MD-02: 4.4 kg MD-02B: 4.5 kg
Operating temperature range	5–35 °C
Inclination of installation	5 degrees or less
Included items	Wireless remote control with 35 keys (RC-MD02) 2 AAA batteries Power cord Rack mounting screw kit

Design and specifications subject to change without notice.

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