

SONY®

MDS-E10 MiniDisc Recorder

The Sony MDS-E10 is a rack-mountable MiniDisc® Recorder that has the flexibility for use in a broad range of environments. It features a full range of digital and analog I/O, and includes a track Multi Access function and Vari-speed playback.



MDLP 

Main Features

ATRAC Type "R" technology

The latest version of ATRAC encode/decode DSP provides superb recording and playback quality.

Wide Bit Stream technology for 20-bit precision

Handling signals during digital processing at a resolution of 20 bits brings a dramatic improvement in the accuracy with which ultra low-level signals are processed. This brings the benefit of higher recording quality, with a wider dynamic range.

Flexible input/output interfacing

Both coaxial and optical connectors are provided for the IEC 60958 type II digital inputs and outputs. Unbalanced phono connections are included for analog input and output signals.

Rec level adjustment

Record level adjustable on both digital and analog inputs.

Analog : knob on rear panel / Set-up menu in digital domain, adjustable L/R balance

Digital : Set-up menu in digital domain

LP stereo recording mode

Incorporating the MDLP* standard, the MDS-E10 can record and playback in stereo for up to 320 minutes on an 80-minute disc. This is a very useful feature for recording extended meetings or conference proceedings, and for playback in PA applications.

*MDLP2/4: MDLP provides two modes (MDLP2, MDLP4), 2 x and 4x recording. This technology is adopted in the ATRAC3® recording format.

10-point Multi Access function (Hot Start)

The first few seconds of up to 10 tracks are held in memory to provide an instant, hot start, from any of these tracks.

Vari-speed function

Provides variable-speed playback with pitch change.

The disc including only Normal Stereo/Monaural source : $\pm 12.5\%$, in 0.5% steps

The disc including MDLP source : 0 – -12.5% , in 0.5% steps

Operation using a PC keyboard.

An optional PC-compatible keyboard with a PS/2 interface can be connected for track naming, controlling as wired remote controller etc.

Auto Track Marking

When a single, long duration track is recorded, these features allow the track to be divided into segments of identical duration using Auto Track marking. Segment duration can be set to be between 1 and 10 minutes.

SF Edit

This feature enables recorded sound levels to be adjusted by rewriting tracks with a revised sound level. (SF Edit is not available in MDLP mode.)

RAM Edit

The TOC of a disc, even a protected master disc, can be copied to RAM and edited.

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Other features

- Supplied Wired / IR Remote Commander
- 24-bit AD/DA Converter.
- AUTO CUE/AUTO PAUSE/AC TIMER functions.
- Monaural Recording (MDLP2/4 is not available).
- Time Machine Recording (Max. 6 sec.).
- Music Sync Recording.
- Next Playback Track is available to reserve on playback (Next Track Play).
- Shuffle Play, Program Play, All Track Repeat Play, 1 Track Repeat Play, A-B Repeat Play.
- Mark and Locate Play.
- Fluorescent display for excellent legibility.

Editing functions

COMBINE /MULTI** TRACK COMBINE / UNDO

ERASE : ALL / TRACK / A-B / MULTI** TRACK

NAME : IN / ERASE / ALL ERASE / COPY / ALL COPY

**MULTI means effective on several tracks at the same time.

The Sony MDS-E10 is a rack-mountable MiniDisc® Recorder that has the flexibility for use in a broad range of environments. It features a full range of digital and analog I/O, and includes a track Multi Access function and Vari-speed playback. An MDLP mode, using the ATRAC3 format, provides greatly extended recording times on a standard MiniDisc Just 1U high, the MDS-E10 combines these features with easy operation, a dual advantage that makes it the natural choice in many audio recording applications.

Front Panel



Supplied Remote Control Unit RM-DR1E



The RM-DR1E dual mode remote controller connects to the 3.5 mm Control-S jack with a supplied 5 m cable, but also operates as a conventional IR remote when not connected to the Control-S jack.

Remote

Control S : 3.5 mm jack

Rear Panel



Specifications

Inputs

	Connector type	Reference level	Maximum level	Impedance
ANALOG LINE IN	Phono	-10 dBu	+12 dBu	47 Ω
DIGITAL COAXIAL IN	Phono	0.5 V _{p-p} ±20%		75 Ω
DIGITAL OPTICAL IN	Square optical connector			Optical wave length:660 nm

Outputs

	Connector type	Reference level	Maximum level	Load impedance
ANALOG LINE OUT	Phono	-10 dBu	+8 dBu	More than 10 kΩ
DIGITAL COAXIAL OUT	Phono	0.5 V _{p-p}		75 Ω
DIGITAL OPTICAL OUT	Square optical connector	-18 dBm (optical power)		Optical wave length:660 nm
PHONES	Stereo jack	0-10 mW adjustable		32 Ω

General

General System	: MiniDisc Digital Audio System
Number of Channel	: Stereo 2 Channels
Laser	: semiconductor GaAlAs laser (λ= 780nm)
Rotational speed	: 400 – 900 rpm
Sampling frequency	: 44.1 kHz
Coding	: Adaptive Transform Acoustic Coding Type R(ATRAC-R)/ATRAC3
Wow and flutter	: below measurable limits (±0.001%W,Peak)
Frequency response	: 5 – 20 kHz ±0.5 dB
Dynamic range	: digital, 100 dB / analog, 98 dB
S/N ratio	: digital, 100 dB / analog, 98 dB
Power requirement	: 120/230 V AC, 50/60 Hz
Power consumption	: 18 W
Operating temperature	: 0°C – 40°C
Storage temperature	: -5°C – 60°C
Mass	: 3.5 kg
Dimensions	: 482(W) x 44(H) x 290(D) mm
Supplied accessory	: Wired / IR Remote Commander RM-DR1E CTRL-S connecting cable

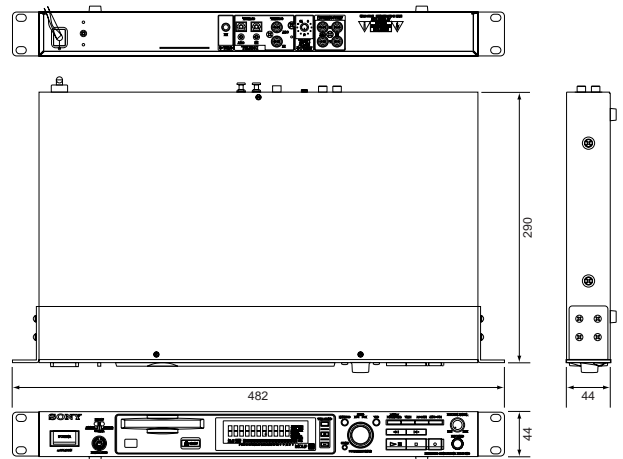
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Mounting the unit

This unit can be attached to a standard 19 inch rack (type EIA). After detaching the four feet on the bottom of the unit, mount the unit on the rack.

Dimensions (Unit:mm)



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