

# 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 Vari-speed playback, digital and analog I/O, and includes a Track Multi Access function.



MDLP 

## Main Features

### ATRAC Type "R" technology

The latest version of ATRAC encode/decode DSP provides excellent 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 MDLP2/4\* 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.

### 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 over a range of  $\pm 12.5\%$ , in 0.5% steps.

When playing back an MDLP2/4 recording, the Vari-speed range is +0 to -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, and to provide the same functions as the wired/IR remote commander.

### 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. Fade In and Fade Out can also be added to recorded tracks. (SF Edit is not available in MDLP2/4 mode.)

### RAM Edit

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

\***MDLP2/4:** MDLP provides two modes (MDLP2, MDLP4), 2x and 4x recording time. This recording format adopts ATRAC3 Technology.

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## Other features

- Supplied Wired/IR Remote Controller
- 24-bit AD/DA Converter
- AUTO CUE/AUTO PAUSE/AC TIMER functions
- Mono Recording (not available in MDLP2/4)
- Time Machine Recording (max. 6 seconds)
- Music Sync Recording
- Next Track Play allows the next track for playback to be pre-selected
- 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/DIVIDE/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 Vari-speed playback, digital and analog I/O, and includes a Track Multi Access function. In MDLP mode, using compression technology from the ATRAC3 format provides greatly extended recording times on a standard MiniDisc. Just 1U high, the MDS-E10 combines all 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 Vp-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 Vp-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

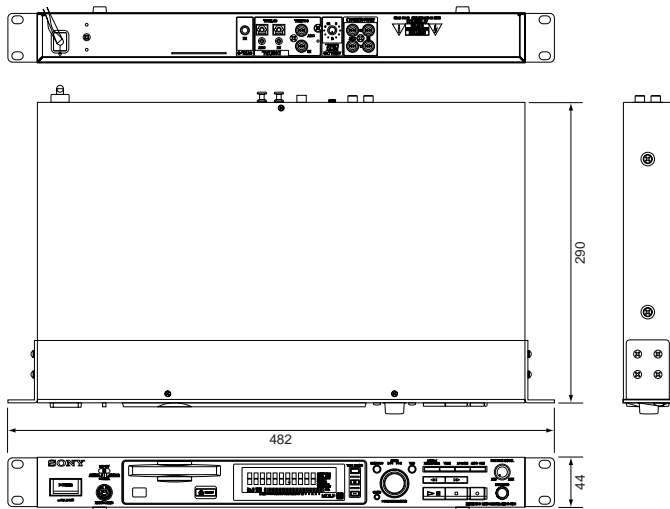
### General

System	: MiniDisc Digital Audio System
Number of Channel	: 2 Channels
Laser	: semiconductor GaAlAs laser ( $\lambda = 780\text{nm}$ )
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
Frequency response	: 5 – 20 kHz $\pm 0.5$ dB
Dynamic range	: digital, 100 dB / analog, 98 dB
S/N ratio	: digital, 100 dB / analog, 98 dB
Power requirement	: 120 V AC, 60 Hz
Power consumption	: 18 W
Operating temperature	: 0 °C – 40 °C
Storage temperature	: -5 °C – 60 °C
Weight	: 6.5 lbs/ (3.5 kg)
Dimensions	: 19"(W) x 1.75"(H) x 11.5"(D) 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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### Dimensions (Unit:mm)



### 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.

### Distributed by

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