Hi-MD™

Portable Digital Recorders

MZ-M10

MZ-M100

Hi-MD Media – the Next Generation Format

The triumph of the Hi-MD recorder begins with the revolutionary Hi-MD media format. This flexible, durable, rewritable media alternative produces CD, high-quality sound, yet is the least expensive high-capacity dedicated digital audio media available. Sony's 1 GB Hi-MD disc provides up to 34 hours of compressed audio recording time in ATRAC3plus™ mode or over 1 1/2 hours of recording time of PCM Linear digital recording for the ultimate in recording quality. Hi-MD media is PC and Mac® compatible, and as a storage media for computer data, also stores images and text files.

Audio Mode and Recording Time on Hi-MD

Audio Mode	Recording Time			Upload/Download by USB	
	Bit Rate	1 GB Hi-MD	80 Min MD	PC[*1]	Mac[*2]
ATRAC3plus	64kbps	34 hr. 00 min.	10 hr. 10 min.	•	
ATRAC3plus	256kbps	7 hr. 55 min.	2 hr. 20 min.	•	
Linear PCM	1.4Mbps	1 hr. 34 min.	28 min.	•	•

*1 For Windows® User: Using "SonicStage® software" (supplied): upload/download Hi-MD self recordings with selection for .WAV file format.

*2 For Macintosh User: Using "Hi-MD .WAV Importer" (supplied): uploads Hi-MD self recordings as .WAV file format (downloading not available)

Supplied Accessories

Stereo Mic
ECM-DS70P

Headphone
MDR-E0931

With the unprecedented Hi-MD format, Sony ushers in the next generation in portable, digital recorders. The MZ-M100 and MZ-M10 Hi-MD models are the ideal field recorders for radio journalists, musicians, songwriters, and all types of pro-audio applications. Equipped for the field, the Hi-MD recorders come with a stereo microphone, headphones, USB uploading software, a rechargeable battery, and a 1GB Hi-MD disc standard.

Features:

Ability to Record from Multiple Sources (Mic/Line-in) – The mic input is a perfect solution for self-recordings or field interviews. Choose a maximum recording time of up to 34 hours or up to 1 1/2 hours of uncompressed /lossless quality depending on specific needs.

Self-recording Upload Feature – When transferring a Hi-MD recording to a computer, it can be saved in .WAV format in a designated folder on your hard drive, providing you with the flexibility to import the files into almost any application where you can edit and process the recordings.

Digital Amplifier – More efficient than a traditional analog amplifier because it uses less energy to produce the same signal, allowing for a much smaller amplifier.

Extended Battery Life – Provides playback for up to 33 hours[1] of battery life with the supplied rechargeable battery and 1 "AA" battery (not supplied).

Storage Capacity - Stores 1GB[2] Audio and Data on each Hi-MD Disc.

Compatible with both Hi-MD and Standard MiniDisc Media – Hi-MD recorders are backward compatible with the MD media. You can store up to 34 hours[3] of audio on the supplied Hi-MD disc, compared to up to 10 hours of audio on a standard MD disc.

Data File Storage – Store and transfer presentations, documents, spreadsheets, and photos.

Music and Data Transfer Powered by USB – With USB connection, there's no battery power loss when transferring audio to the Hi-MD device.

Record and Playback Uncompressed Linear PCM Audio – Use the mic and line-in feature to record and playback in uncompressed PCM format. This lossless format is perfect for self-recordings, field interviews, and archiving existing legacy formats.

Record and Playback ATRAC3plus Audio – Use the mic and line-in feature to record and playback in compressed ATRAC3plus 64Kbps (HI-LP) or 256Kbps (Hi-SP) formats. Sony's ATRAC3plus format provides excellent sound quality with smaller file sizes than many competing formats.

Supports .WAV Audio Format[4] with Conversion Software – Linear PCM recording can be uploaded onto PC or Mac computers and stored in .WAV file format.

Archive Data with Low Cost, 1GB Removable Hi-MD Media – At just a few dollars a disc, 1 GB Hi-MD media is one of the most cost effective formats available.

Skip-Free G-Protection™[5] Technology – Hi-MD recorders come equipped with Skip-Free G-Protection™ technology which provides virtually uninterrupted playback of your audio.
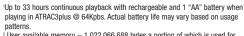
MZ-M10
5 Line LCD Display –
The LCD display makes it easy to see and navigate.

MZ-M100
6 Line Large EL (Organic Electroluminescence Display) –
The intensely bright EL display enhances visibility in all viewing conditions.

[1] Up to 33 hours continuous playback with rechargeable and 1 "AA" battery when playing in ATRAC3plus @ 64Kpbs. Actual battery life may vary based on usage patterns.
[2] User available memory = 1,022,066,688 bytes a portion of which is used for data management functions.
[3] When recording in 64Kbps
[4] Supports unsecure files with conversion to ATRAC3 format.
[5] Reduces or eliminates skipping during many active uses.

Specifications

Model Name	MZ-M100	MZ-M10
General Specifications		
Format	Digital Audio MiniDisc System	
Sampling Frequency	44.1 kHz	
Data Compression Method (Coding)	ATRAC®/ATRAC3® (Adaptive Transform Acoustic Coding) ATRAC3plus	
Frequency Response	20-20,000Hz /-3dB	
Wow and Flutter	Unmeasurable	
Input(s)	USB, Mic, Line (Optical/Analog); DC in 3V	
Output(s)	Headphones/Remote (stereo mini)	
Power Requirements	"AA" Alkaline Battery x 1 (optional using dry battery case); Nickel-Metal Hydride Rechargeable Battery; AC Power Adapter; USB bus power	
Codec		
Linear PCM (REC/PLAYBACK)	•	•
ATRAC3plus (REC/PLAYBACK)	•	•
ATRAC (PLAYBACK)	•	•
MP3 (PLAYBACK)	•	•
Self-recording Upload Function		
For Windows (Using SonicStage)		
Linear PCM	•	•
ATRAC3plus (REC/PLAYBACK)	•	•
For Mac (Using Hi-MD WAV Importer Software)		
Linear PCM	•	•
Interface		
MIC in	•	•
Line in (Analog/Digital)	•	•
USB	•	•
Main Recording Function		
Mic Sense Low/High	•	•
Manual Rec Level Control	•	•
Time Mark Off/1-60min	•	•
Synchro Rec On/Off	•	•
AGC-Auto Gain Control	•	•
Sampling Rate Converter	•	•
Main Edit Function		
Name (Disc/Group/Track)	•	•
Move (Track/Group)	•	•
Track Mark On/Off (Divide/Combine)	•	•
Erase (Track/All/Group)	•	•
Disc Format	•	•
Other Main Features		
Skip Free G-Protection Technology	•	•
USB Bus Power & Charging	•	•
Digital AMP	•	•
One Touch Download	•	•
For Mac and PC Data File Storage Device	•	•
Display	Organic EL	LCD
Battery Life (with rechargeable battery and 1 "AA" battery)		
Playback		
Linear PCM	20.0 hours	20.0 hours
Hi-SP	28.5 hours	30.0 hours
Hi-LP	33.0 hours	34.5 hours
Record		
Linear PCM	8.0 hours	6.5 hours
Hi-SP	11.5 hours	9.0 hours
Hi-LP	12.5 hours	11.0 hours
Size & Weight		
Size	3 1/4 (W) x 3/4 (H) x 3 3/8 (D) inches 80.2 (W) x 18.9 (H) x 84.1 (D) mm	3 1/4 (W) x 27/32 (H) x 3 3/8 (D) inches 80.2 (W) x 20.7 (H) x 84.3 (D) mm
Weight	4.2oz (120g)	4.0oz (112g)
Supplied Accessories		
Rechargeable Battery	NH-14WM (1350mA)	NH-10WM (900mA)
Additional AA Battery Case	•	•
Carrying Pouch	•	
Remote Controller	•	
Headphone	MDR-E0931	MDR-E0931
AC Adaptor	•	•
SonicStage Software (for Windows)	•	•
Hi-MD WAV Importer Software (for Mac)	•	•
USB Cable	•	•
1GB Blank Hi-MD Disc	x1	x1
Stereo Mic	ECM-DS70P	ECM-DS70P

SONY

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CERTIFIED USB **Hi-MD**

A-1140-A