

SONY®



Hi-MD Disc (1GB) HMD1G

Expand the possibilities with Hi-MD

Introducing the Hi-MD - the new high performance MD format. Featuring up to 1 GB storage capacity, Hi-MD brings new possibilities to both music and data storage applications. Enjoy up to 45 hours of music on a single disc or store data intensive projects like multimedia or presentation files. With Hi-MD the possibilities are limitless.

[Recording time comparison chart]

Audio mode and recording time* on Hi-MD					
Audio mode		1GB Hi-MD disc	80min standard MiniDisc in Hi-MD mode	74min standard MiniDisc in Hi-MD model	
Linear PCM/1.4Mbps	Device (PCM)	PC	1hrs. 34min.	28min.	26min.
ATRAC3plus/256kbps	Device (MD SP)	PC	7hrs. 55min.	2hrs. 20min.	2hrs. 10min.
ATRAC3plus/64kbps	Device (Hi)	PC	34hrs.	10hrs. 10min.	9hrs. 25min.
ATRAC3plus/48kbps			45hrs.	13hrs. 30min.	12hrs. 30min.
ATRAC3/132kbps			16hrs. 30min.	4hrs. 50min.	4hrs. 30min.
ATRAC3/105kbps			20hrs. 50min.	6hrs. 10min.	5hrs. 40min.
ATRAC3/66kbps			32hrs. 50min.	9hrs. 50min.	9hrs.

Device - For recording on a stand-alone Hi-MD device
PC - For transferring audio data between a computer and a Hi-MD device

* User is presently limited to audio data that has been recorded on Hi-MD in PCM mode and uploaded to a computer.
* The figures above are approximate recording times

[Compatibility of hardware and media]

Media	Hi-MD recorder [^]					
	Hi-MD Disc 1GB		MiniDisc		Non-Hi-MD formatted MiniDisc (MiniDisc which have been recorded by the MD equipment)	
	Recording	Playback	Recording	Playback	Recording	Playback
Hi-MD mode	0	0	0	0	X	X
MD mode	X	X	X	X	0	0

[^] Hi-MD recorder has Hi-MD/MD modes and can format existing MiniDisc into Hi-MD format.
* Hi-MD Disc (1GB) and Hi-MD formatted MiniDisc cannot be used for recording and playback on non-Hi-MD equipment.

[Specifications]

Main Parameter	Hi-MD Disc (1GB) HMD1G
User data capacity	Approximately 1GBytes
Laser wave length	780nm typical
Recording strategy	Magnetic field modulation
Signal modulation	1-7RLL
Data transfer rate	9.8Mbps
File system	FAT
Cartridge size (W x L x H)	72 x 68 x 5 mm
Diameter of the disc	64.8 mm

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[High capacity – up to 1GB]

With up to 1 GB storage capacity, the new Hi-MD disc (1 GB) records up to 45 hours¹ on a single disc. That's the power to make your listening experience is now more enjoyable with more music choice.

Double the capacity on standard MD media

The new high density recording technology employed in Hi-MD recorders also doubles the recording capacity of standard MiniDiscs. So now you can enjoy up to 305 MB of data or up to 13 hours 30 minutes³ of music.

Comparison of recording time



Store up to 45 CDs on 1 GB Hi-MD

Now you can quickly create any compilation disc at speed. With a high capacity 1 GB Hi-MD disc you can transfer up to 45 hours of music data from your PC⁴. Or if you prefer to listen to high fidelity music without any compression, the 1 GB capacity allows for easy storage of large capacity music data recorded in linear PCM and Hi-SP modes.

[High Quality near CD quality sound]

Hi-MD brings you high fidelity sound by adopting PCM and ATRAC3plus (256kbps) recording.

Virtually no loss in quality with Linear PCM mode

Linear PCM mode achieves high quality sound recording without audio data compression. Just perfect for backing up your favourite music CDs. Simply connect a Hi-MD device and a CD player⁵ optical cables and record in pure high quality sound.

Record 'live' events with a microphone

Linear PCM mode is compatible with digital, analog, and microphone recording. Now you can record and play back in high quality sound, without compressing the original sound source. Simply perfect for recording a live music performance.

ATRAC3plus - high quality music compression

The latest incarnation of ATRAC3plus compression technology supports Hi-SP recording mode at 256kbps - for music quality that's comparable to a CD.

[High Speed music transfer]

Make the most of your music data with high-speed data transfer.

Uploading data from disc to computer

By using "SonicStage⁶" software, you can upload music recorded on a disc to a computer. The ability to transfer music data to other computers greatly increases usage versatility.

Enjoy 100x speed music transfer

Transfer hundreds of songs in an instant. Enjoy up to 100x⁷ speed music transfer between your "SonicStage⁶" software equipped PC and Hi-MD device. Now you can create a music compilation faster than ever before.

[More versatile than ever before]

Store more than music with the versatile Hi-MD

The convenient backup device

Whether it's hundreds of JPEG images or important personal documents, Hi-MD offers capacious and rewritable memory capacity that is perfect for storing them all. And with its slim and compact design, you can take a huge amount of information wherever you go.

Easy drag and drop operation

Hi-MD offers easy drag and drop file transfer right on your PC desktop. Simply select your file, and drag it to the 'Removable Disc' icon on the desktop⁸.

¹ In the case of ATRAC3plus 48kbps.

² In the case of LP4 ATRAC3/ 66kbps.

³ In the case of ATRAC3plus/48kbps.

⁴ Calculated based on 1 CD = 60 minutes, and recorded with ATRAC3plus 48kbps.

⁵ Only CD players with optical capability can be used.

⁶ "SonicStage" bundled with Hi-MD products, supports this functionality.

⁷ The speed at which ATRAC3plus 48kbps transfers data from PC to Hi-MD device. Additional time will be required for data storage. Also note that transfer speed will differ depending on the performance of the computer.

⁸ Image may differ according to operating system and computer settings.