

# SHARP

## 1-BIT PORTABLE MINIDISC RECORDER

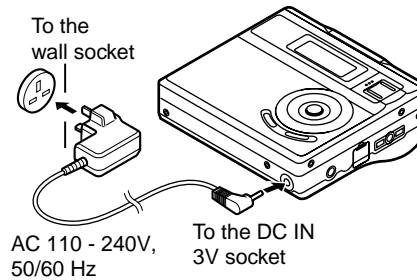
### Quick Start Guide

MODEL  
**IM-DR410E**

If you require any advice or assistance regarding your Sharp product, please visit our web-site [www.sharp.co.uk/customersupport](http://www.sharp.co.uk/customersupport). Customers without Internet access may telephone 08705 274277 during office hours (or (01) 676 0648 if telephoning from Ireland).

TINSE0551AWZZ  
03G R YT ①

### Connect the AC adaptor



Plug the AC adaptor into the wall socket, and then insert the plug on the other end into the DC IN 3V socket.

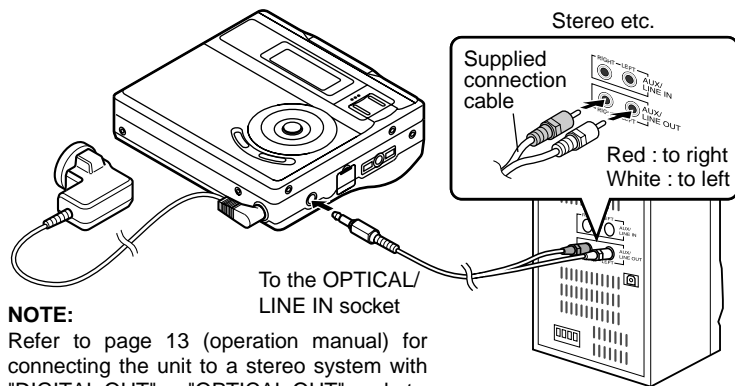
**Caution:**

- Insert the plugs firmly.
- When the unit is not in use for extended periods, remove the AC adaptor from the wall socket.

### Connections

To connect to a stereo system with "LINE OUT" or "AUDIO OUT" sockets (analogue connection)

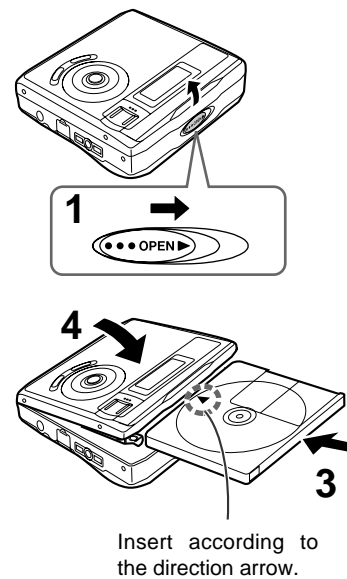
If the audio system has only one pair of sockets, they are usually for input only and recording via this connection is not possible.



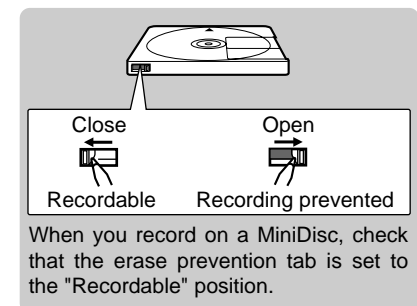
**NOTE:**

Refer to page 13 (operation manual) for connecting the unit to a stereo system with "DIGITAL OUT" or "OPTICAL OUT" socket.

### Insert a MiniDisc



- 1 Slide the OPEN lever to release the compartment door.
- 2 Lift up the compartment door.
- 3 Insert a MiniDisc.
- 4 Close the compartment door.



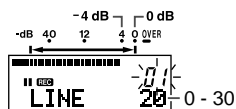
### Record on a recordable MiniDisc

When recording from a CD or MiniDisc

**1 Press the REC button.**

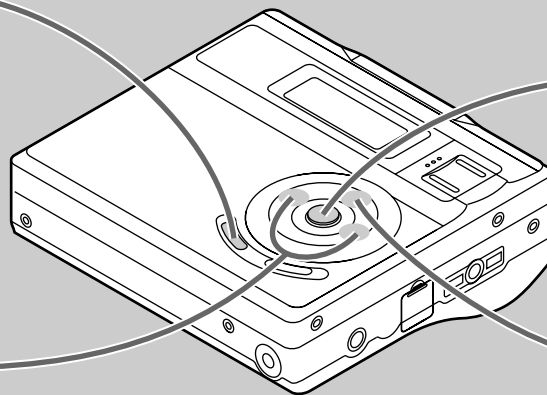
**2 Begin playback on the stereo system connected to this portable MD.**

**3 Press the ◀◀ or ▶▶ button to adjust the recording level.**



Adjust the recording level so that the maximum sound volume from the source makes the reading swing somewhere between -4 dB and 0 dB.

**4 Press the PAUSE button on the stereo system to enter the playback pause mode.** Here you can search for the track to be recorded.



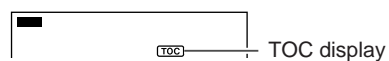
**5 Select the recording mode.**

- ① Press the MENU/ENTER button.
  - ② Press the ◀◀ or ▶▶ button repeatedly to select "REC MODE".
  - ③ Press the MENU/ENTER button.
  - ④ Press the ◀◀ or ▶▶ button repeatedly to select the recording mode.
- SP (Stereo recording)  
LP2 (2 times long recording)  
LP4 (4 times long recording)  
MONO (Monaural recording)
- ⑤ Press the MENU/ENTER button.

**6 Press the ▶|| button to start recording.**

**7 Begin playback on the stereo system, the output will be recorded.**

- Whilst "TOC" is displayed, the recorded contents are not yet updated.



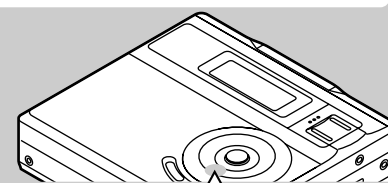
**■ To stop recording**

Press the ■:OFF/HOLD button.

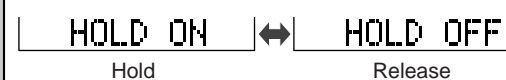
When recording is stopped, TOC is written on the MD. The "TOC" indicator disappears.



The unit does not work if the HOLD button is set to HOLD.



Hold down the HOLD button for 2 seconds or more.



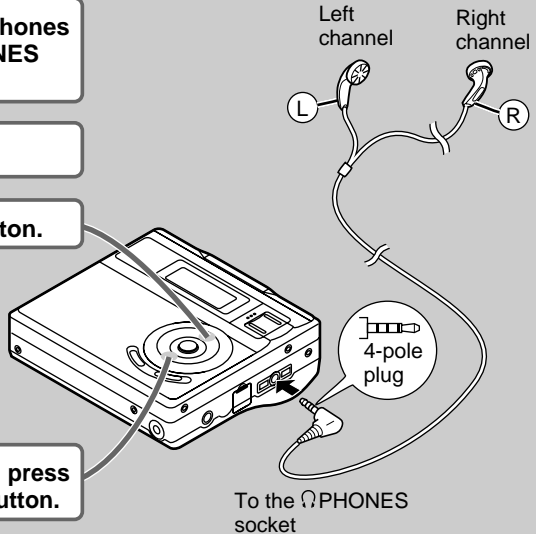
## MD Playback

**1** Insert the earphones plug into the PHONES socket.

**2** Insert a MiniDisc.

**3** Press the ►|| button.

**4** To stop playback, press the ■:OFF/HOLD button.



## Net MD

Audio data saved on the hard disk of a PC can be transferred to a Net MD-compatible recorder using the provided software "BeatJam". Not only the basic operations but also the title editing of audio data on an MD can be performed via the PC.

**1** Install the software on your PC.

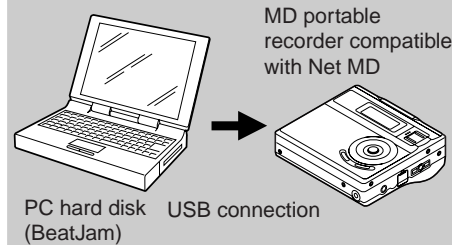
... For details, refer to page 41 of the operation manual.

**2** Connect your PC with the MD portable recorder with the supplied USB connection cable.

... For details, refer to page 42 of the operation manual.

**3** Perform operations with BeatJam on the PC.

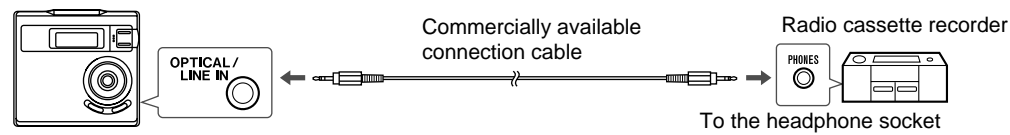
... For details, refer to the BeatJam manual.



## Useful tips

### Recording from a radio cassette recorder or stereo system without audio output sockets (LINE OUT, AUX OUT, REC OUT, etc.)

Use a headphone socket.

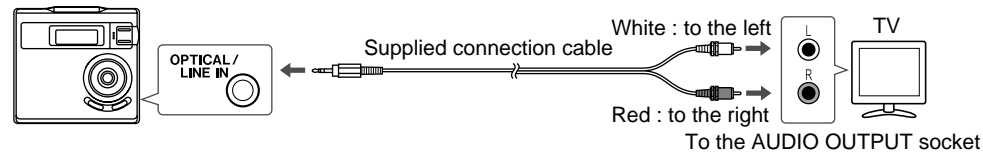


This is analogue recording. Adjust the recording level manually.

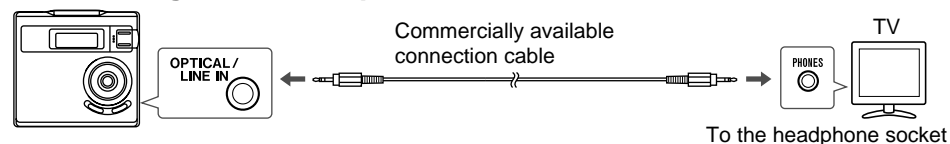
### Recording TV sound

Check the output terminal of your TV and connect to the unit as follows.

#### < Recording from an audio output socket >



#### < Recording from a headphone socket >



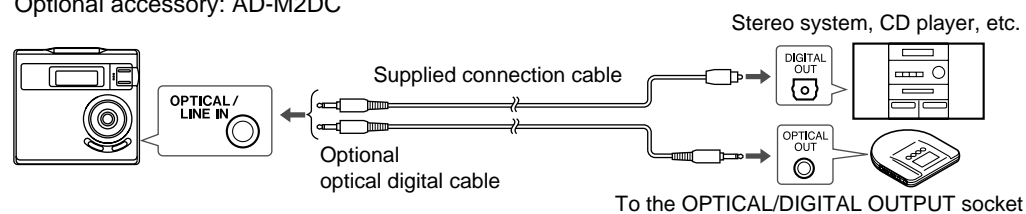
The above are analogue connections. Adjust the recording level manually.

### Recording from an optical digital socket

High quality sound can be ensured.

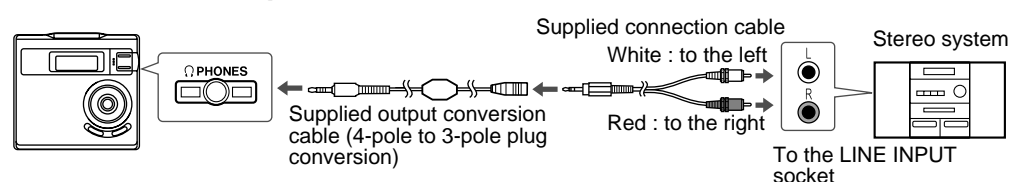
Use a supplied connection cable or a commercially available optical digital cable.

Optional accessory: AD-M2DC



### Listening to music through another system

#### < With an audio input socket >



## NOTES



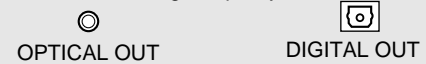
### ■ Digital and analogue recording

The differences are described below.

#### Digital recording

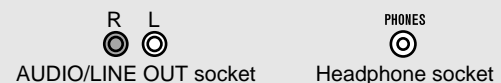
A digital signal from a CD or MiniDisc is recorded as it is on the original.

Compared with analogue connection recording, a digital connection will ensure higher quality.



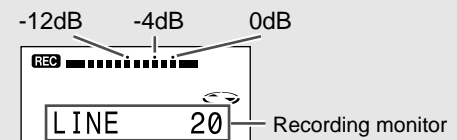
#### Analogue recording

Sound from a stereo system or radio cassette recorder (analogue signals) can be recorded.



### ■ Adjusting the recording level

Adjust the recording level so that the maximum sound volume from the source makes the reading swing somewhere between -4 dB and 0 dB.



Recording monitor appears when adjusting the recording level.

#### < Connecting with a digital cable >

The recording monitor displays D.L. -10dB to D.L. +10dB.

- If recording from a CD, set to "D.L. 0dB". Set to around "D.L. +8dB" if it is a CS tuner or other equipment.

#### < Connecting with an analogue cable >

The recording monitor displays LINE 0 to LINE 30.

- If you are using a headphone socket of external equipment, set the volume on the equipment (avoid creaking noise) and then adjust the recording level on the unit.

### ■ MiniDisc recorded in a long-recording mode

Tracks recorded in 2 times long recording and 4 times long recording modes cannot be played with the unit that does not support these modes.

Play back the MiniDisc on the equipment compatible with MDLP.

### ■ "4-pole plug earphone" optimizes "Mobile 1-bit digital amplifier"

Sharp has adopted "4-pole plug" earphone that completely separate the right and left channels. Enjoy the high quality sound of the "Mobile 1-bit digital amplifier".

