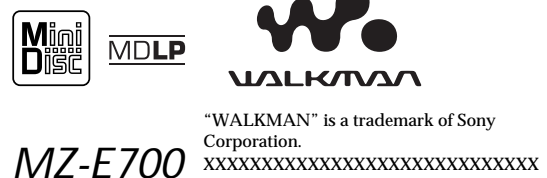


# Portable MiniDisc Player

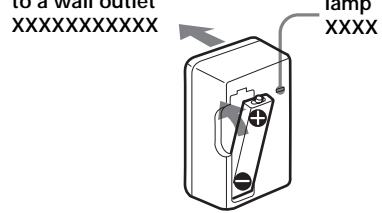
Operating instructions  
(XXXTraditional Chinese)



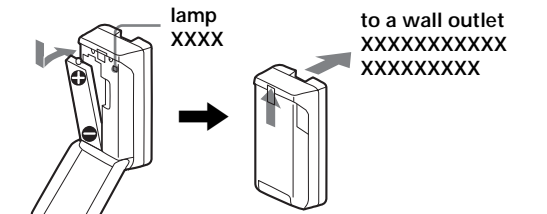
Sony Corporation © 2000 Printed in Japan

## A

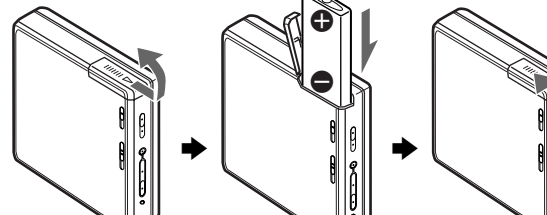
• Hong Kong model  
• XXXXXXXXXXXXXXXXXXXX  
to a wall outlet  
XXXXXXXXXX



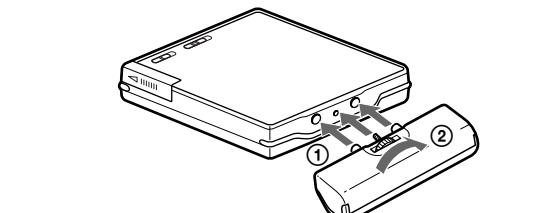
• World model and other models  
• XXXXXXXXXXXXXXXXXXXX



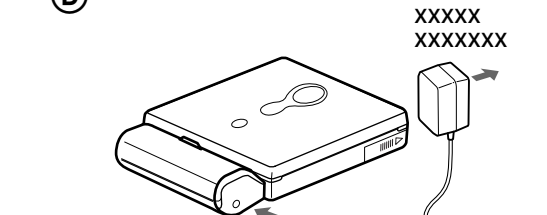
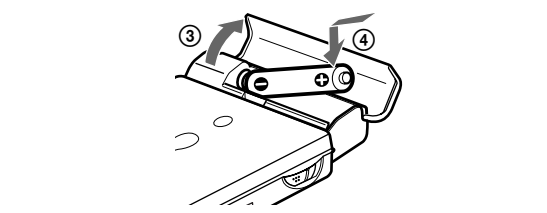
## B



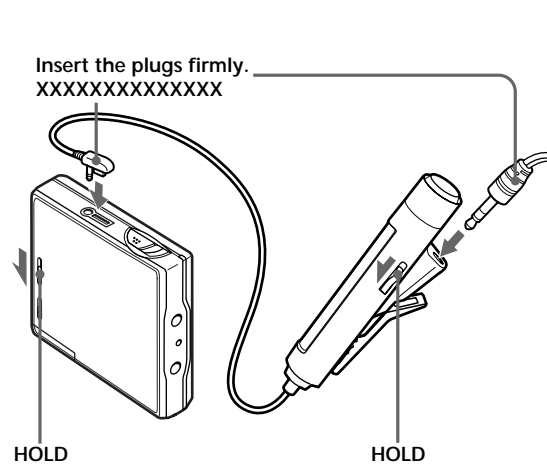
## C



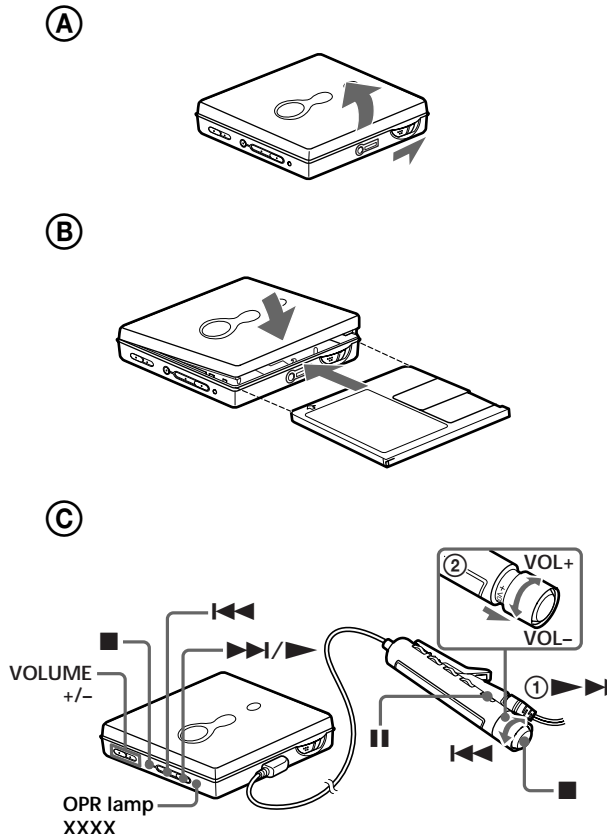
## D



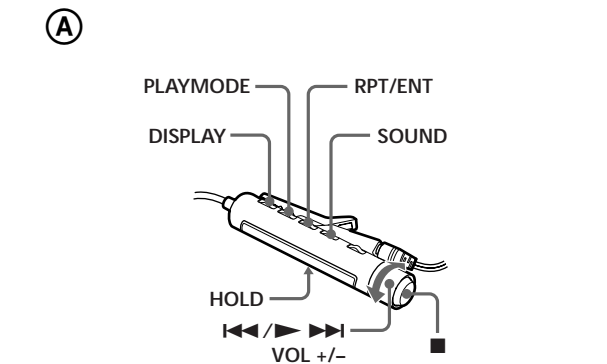
## B



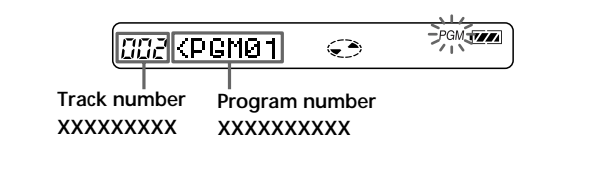
## C



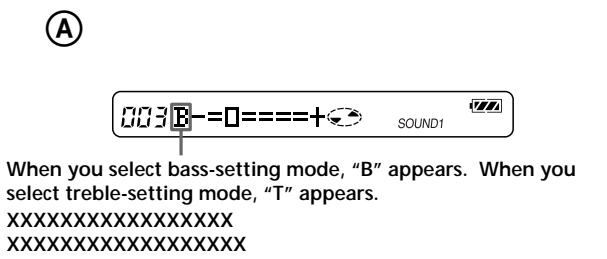
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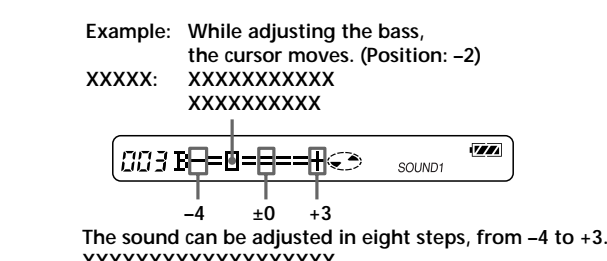
## B



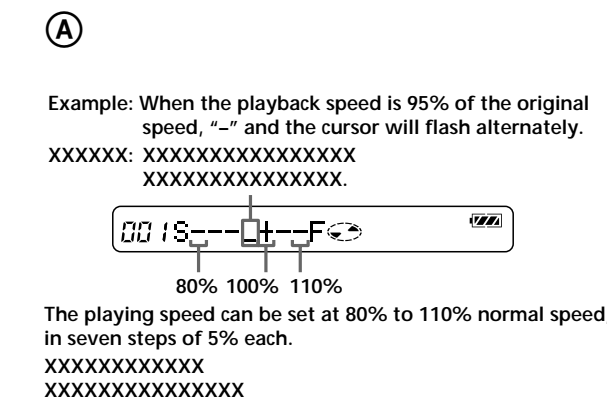
## E



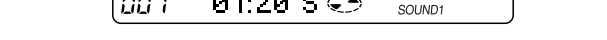
## B



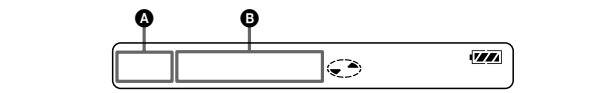
## F



## B



## G



English

### WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

### Caution

The use of optical instruments with this product will increase eye hazard.

CAUTION — INVISIBLE LASER RADIATION WHEN OPEN  
DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

### Information

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

### Getting started

#### Preparing a power source

##### Using on the rechargeable battery

Charge the supplied rechargeable battery before using it for the first time.

- Charge the supplied rechargeable battery NH-14WM with the supplied battery charger. (See Fig. A-④)
  - Hong Kong model  
Full charging takes about 1.5 hours.
  - World model and other models  
Full charging takes about 2 hours.

- Open the rechargeable battery compartment lid and insert the charged battery with correct polarity. (See Fig. A-⑥)

##### Using on a dry battery (See Fig. A-③)

Attach the supplied battery case to the player, and then insert one LR6 (size AA) battery with correct polarity. Be sure to insert the battery (minus) end first.

##### When to replace or recharge the battery

You can check the battery condition with the battery indication on the remote control while using the player.

- ☐ Battery power decreasing
- ☐ Weak batteries
- ☐ The batteries have gone out. "LOW BATT" flashes in the display on the remote control, and the power goes off.

| Batteries                                       | Stereo (normal) | LP2 Stereo | LP4 Stereo |
|---|-----------------|------------|------------|
| Ni-MH rechargeable battery NH-14WM <sup>①</sup> | 29              | 33         | 37         |
| LR6 (SG) Alkaline dry battery <sup>②</sup>      | 42              | 49         | 58         |
| LR6 (SG) <sup>③</sup> and NH-14WM <sup>①</sup>  | 76              | 87         | 100        |

(Unit: Approx. hours)  
<sup>①</sup> Measured in accordance with the EIAJ (Electronic Industries Association of Japan) standard (using a Sony MDW-series Mini-disc).  
<sup>②</sup> With a fully charged battery  
<sup>③</sup> When using a Sony LR6 (SG) "STAMINA" alkaline dry battery (produced in Japan).

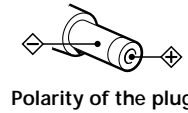
**Note**  
The battery life may be shorter depending on operating conditions, the surrounding temperature, and the battery type.

##### Using on house current (See Fig. A-⑤)

- Attach the supplied battery case to the player. If the rechargeable battery is inserted in the player, remove it.
- Connect the optional AC-E15L AC power adaptor (for use in Japan) or the optional AC-E15HG AC power adaptor (for use outside of Japan) to the DC IN 1.5V jack of the battery case.
- Connect the AC power adaptor to a wall outlet.

### Notes

- Do not use any other AC power adaptor. Specifications for AC-E15HG AC power adaptor vary in each region. Check the voltage and the shape of the plug before purchasing.



- The battery indication mark is displayed while using the AC power adaptor.

#### To connect the headphones/earphones (See Fig. B)

- Connect the supplied headphones/earphones to the remote control. Connect the remote control to the jack of the player. Slide HOLD on the remote control and the player to the direction of the arrows shown in the illustration.

#### MD playing

##### Playing an MD (See Fig. C)

- Insert an MD.
  - Slide OPEN. (See Fig. C-④)
  - Insert the MD with the label side facing up, and press the lid down to close. (See Fig. C-⑥)
- Play the MD. (See Fig. C-⑥)
  - Turn the control towards ◀▶ or ▶▶▶▶ on the remote control (or press ▶▶▶▶ on the player). When using the remote control, a short beep sounds in the headphones/earphones.
  - Pull and turn VOL +/- on the remote control (or press VOLUME +/- on the player) to adjust the volume. The volume indicator appears on the remote control to allow you to check the volume.

#### Other disc operation

| To  | Do this (Beeps in the headphones/earphones)  |
|---|--|
| Stop  | Press ■ (A Long beep)  |
| Pause   | Press ■ on the remote control. (Continuous short beeps)<br>Press ■ on the remote control again to resume playback. <sup>①</sup>    |
| Find the beginning of the current track       | Turn the control towards ◀▶ on the remote control. (Three short beeps)<br>Press ◀▶ on the player once.                             |
| Listen to the beginning of the previous track | Turn the control towards ◀▶ on the remote control repeatedly. (Continuous three short beeps)<br>Press ◀▶ on the player repeatedly. |
| Listen to the beginning of the next track     | Turn the control towards ▶▶▶▶ on the remote control. (Two short beeps)<br>Press ▶▶▶▶ on the player once.                           |
| Go backwards while playing <sup>②</sup>       | Turn and hold the control towards ◀▶ on the remote control. Hold down ◀▶ on the player.  |
| Go forward while playing <sup>②</sup>         | Turn and hold the control towards ▶▶▶▶ on the remote control. Hold down ▶▶▶▶ on the player.  |
| Remove the MD                                 | Press ■, and then slide OPEN. <sup>③</sup>   |

- When you press ◀▶ or ▶▶▶▶ on the player during pause, the player resumes playback.
- If you turn and hold the control towards ◀▶ or ▶▶▶▶ on the remote control (or hold down ◀▶ or ▶▶▶▶ on the player) during pause, you can fast forward/rewind without listening to the playback sound.
- Once you open the lid, the point to start playback changes to the beginning of the first track.

### Note

When removing the disc, make sure to press ■ first, and then slide OPEN.

### About the G-PROTECTION function

The G-PROTECTION function has been developed to provide excellent protection against sound skipping during many active uses. This function provides a higher level of shock protection during playback than the traditional one.

### Tips

- The player can play the track recorded by double or 4 times long mode (LP2 or LP4). Normal stereo playback, LP2 stereo playback, LP4 stereo playback or monaural playback is automatically selected to match the audio source.
- During the operation of the unit, the OPR lamp on the player turns off.
- The display on the remote control will turn off shortly after you press ■.

### Note

- Sound may skip if:
  - the player receives stronger continuous shock than expected.
  - a dirty or scratched MiniDisc is played.

#### Various ways of playback

##### Changing the play mode (See Fig. D)

You can select from various play modes using the PLAYMODE and RPT/ENT on the remote control.

##### Selecting the play mode (See Fig. D-④)

- Press PLAYMODE repeatedly to select one of the four play modes, as follows.

| Display               | Play mode  |
|-----------------------|--|
| (none) (normal play)  | All the tracks are played once.                    |
| "T" (single play)     | A single track is played once.                     |
| "SHUF" (shuffle play) | All the tracks are played in random order.         |
| "PGM" (program play)  | Tracks are played in the order that you specified. |

##### Listening to tracks in a desired sequence (Program play)

- Press PLAYMODE repeatedly until "PGM" flashes in the display.
- Turn the control towards ◀▶ or ▶▶▶▶ repeatedly to select a track. (See Fig. D-⑥)
- Press RPT/ENT. The track is entered.
- Repeat steps 2 and 3 to select other tracks in the desired sequence.
- Press RPT/ENT for 2 seconds or more. The settings are entered and playback starts from the first programmed track.

### Tips

- The program play settings will remain in memory even after playback finishes or is stopped.
- You can set the program play up to 20 tracks.
- The settings can be stored to the Personal Disc Memory.

### Notes

- All program settings are lost when the disc is removed from the player.
- If no settings are made for five minutes while the player is stopped, the settings made up to that point are entered.

#### Repeat play

You can use this function to repeat playback in normal play, single play, shuffle play, or program play mode.

- Press RPT/ENT during playback. "cc" appears in the display.

#### To adjust the sound quality (Digital Sound Preset)(See Fig. E)

You can make adjustments to the sound quality to suit your taste, and then store two sets of these adjustments.

- Press SOUND on the remote control repeatedly to select "SOUND1" or "SOUND2." (See Fig. E-④)
  - During playback, press SOUND on the remote control for 2 seconds or more. (See Fig. E-②)
  - Turn the control on the remote control towards ◀▶ or ▶▶▶▶ repeatedly to adjust the bass or the treble. (See Fig. E-⑥)
- When you press SOUND for more than 2 seconds while adjusting the bass, the display switches to the treble (or vice-versa).
- When you press SOUND for a short time while adjusting the bass or the treble, the setting for that sound is entered and the display switches to the other sound setting.

- Press RPT/ENT on the remote control. The sound settings are stored and the playback display appears again.

### To select a preset sound

Press SOUND on the remote control repeatedly to select "SOUND1," "SOUND2," or no display. Selecting no display turns off the Digital Sound Preset function.

### Digital Sound Preset factory settings

The Digital Sound Preset Factory settings are as follows:

- "SOUND1": bass +1, treble ±0
- "SOUND2": bass +3, treble ±0

### Tips

- The settings can be stored to the Personal Disc Memory.
- Settings can be changed while playback is momentarily paused.

### Notes

- Settings cannot be changed through the operation buttons on the player.
- When you use the Digital Sound Preset, the sound may break or become distorted when the volume is turned up too high, depending on the settings.

#### To change playback speed (Speed Control)(See Fig. F)

The variable playback function is convenient for such uses as language study. You can adjust the speed in seven steps.

- Press DISPLAY on the remote control for 2 seconds or more during playback. (See Fig. F-②)
- Turn the control on the remote control towards ◀▶ or ▶▶▶▶ until "SPEED" flashes in the display, and then press ■ on the remote control. The player changes to speed-setting mode.
- Turn the control towards ◀▶ or ▶▶▶▶ to select the playback speed. "S" shows the normal speed and the cursor shows the playback speed you are selecting. (See Fig. F-④)
- Press ■ to set the playback speed. During playback speeds other than normal, "S" appears to the right of the elapsed time. (See Fig. F-⑥)

### Tip

The settings can be stored to the Personal Disc Memory.

### Notes

- Settings cannot be changed through the operation buttons on the player.
- The playback sound will be affected by the playback speed.
- All settings will be lost when you remove the disc from the player.

#### Storing the settings for individual discs (Personal Disc Memory)

Settings can be memorized for a disc. Once memorized, the settings are recalled and applied whenever the disc is inserted. The following settings can be stored:

- Volume
- Play mode
- Program setting
- Sound quality (Digital Sound Preset)
- Playback speed (Speed control)

- Press DISPLAY on the remote control for 2 seconds or more. (See Fig. G-④)
- Turn the control on the remote control towards ◀▶ or ▶▶▶▶ until "PERSONAL" flashes in the display, and then press ■ on the remote control. "Entry?" flashes in the display.
- Press ■ on the remote control. "Entry OK" appears in the display and the disc settings are stored in the player.

### To Erase the disc information

Insert the disc whose information is to be erased and verify its contents. Do steps 1 and 2 until "Erase?" flashes in the display, and then press ■. "Erase OK" appears in the display and the disc information is erased. If you try to erase the disc information of a disc that has never been stored, "No Entry!" appears in the display for 2 seconds.

### Notes

- Settings can be stored for up to 20 discs. Any settings stored thereafter will replace the settings for the MD with the oldest playback date.
- If you use another minidisc recorder to edit or add tracks to a disc whose settings have been stored on the player, the disc will no longer be recognizable by the player and the stored information will become useless.

#### To know the track name and playing time (See Fig. G)

During playback, you can check the track name and track number, the elapsed time of the current track, and the total number of tracks on the MD.

- Press DISPLAY on the remote control while the player is playing an MD. Each time you press DISPLAY, the display changes the indications as the followings (See Fig. G):

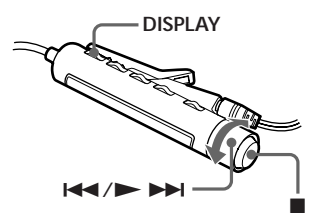
| ④                          | ⑥                       |
|----------------------------|-------------------------|
| Track number               | The elapsed time        |
| Track number               | Track name <sup>①</sup> |
| The number of total tracks | Disc name <sup>①</sup>  |
| Track number               | Track mode <sup>②</sup> |

- <sup>①</sup> Appears only with MDs that have been electronically labeled.
- <sup>②</sup> The mode for each track is indicated as follows:
  - "Mode: SP" Standard mode (stereo)
  - "Mode: LP2" 2 × mode (2 × normal playing time)
  - "Mode: LP4" 4 × mode (4 × normal playing time)
  - "Mode: MONO" Monaural

### Note

The mode indication appears only during playback. The mode appears for 2 seconds. It is then replaced by the elapsed time of the current track.



**H**

English

**▶ Other operations****Setting the alarm (Melody Timer)**  
(See Fig. **H**)

The alarm is convenient for reminding yourself of important events, like getting off the train at your station. The alarm can be set to sound in 1 to 99 minutes.

**1** Press DISPLAY on the remote control for 2 seconds or more.

**2** Turn the control on the remote control towards **◀◀** or **▶▶▶▶** repeatedly until "M-TIMER" flashes in the display, and then press **■** on the remote control.

**3** Turn the control towards **◀◀** or **▶▶▶▶** repeatedly until "ON" flashes in the display, and press **■** on the remote control. **⏻** appears.

**4** Turn the control towards **◀◀** or **▶▶▶▶** repeatedly to specify the desired time.

Each time you turn the control, the indication moves from "TIME 01" to "TIME 99" (1 minute to 99 minutes) in one-minute intervals.

**5** Press **■** on the remote control. The specified time is set.

**6** Turn the control towards **◀◀** or **▶▶▶▶** repeatedly to select the sound. You can select from three kinds of sounds.

| Display      | Alarm sound                |
|--------------|----------------------------|
| "MELODY : 1" | Melody (Classical music 1) |
| "MELODY : 2" | Melody (Classical music 2) |
| "MELODY : 3" | Beep sound                 |

**7** Press **■** on the remote control. The alarm is set.

**To check the remaining time until the alarm**

Stop playback. The remaining time will appear in the display after a short while. Do steps 1 to 3 again to display the remaining time during play or play-pause.

**To exit from the alarm setting procedure**

Press DISPLAY for 2 seconds or more.

**To cancel the alarm settings**

Select "OFF" in step 3, and then press **■** on the remote control.

**To stop the alarm**

Press any button to stop the alarm. Note that this will not activate the button's original function.

**Tips**

- If you end the procedure with step 3, the previous setting is automatically used.
- After sounding for one minute, the alarm will automatically stop and the alarm setting will be canceled. If the alarm sounds during stop mode, then the power will automatically turn off 10 seconds after the alarm stops. If the alarm stops while an MD is playing, the playback will continue uninterrupted.

**Note**

The timer will begin counting from the moment you select "ON" in step 3. When you change the alarm setting in step 4, timer will begin counting again with the new alarm setting.

**To protect your hearing (AVLS)**  
(See Fig. **I**)

**1** Set AVLS (Automatic Volume Limiter System) on the player to LIMIT. The volume is kept at a moderate level, even if you try to turn the volume above the limited level.

**To cancel the AVLS function**

Set AVLS to NORM to cancel the AVLS function.

**To lock the controls (HOLD)** (See Fig. **I**)

**1** Slide HOLD on the remote control in the direction of the **➡** to lock the controls of the remote control and slide HOLD on the player in the direction of the **➡** to lock the controls of the player.

**To unlock the controls**

Slide HOLD to the opposite direction of the arrow.

**▶ Additional information****Precautions****On safety**

- Make sure to keep the player in the supplied carrying pouch. If the terminals on the player, charger, or battery case are accidentally brought into contact with a metallic object, they may short-circuit and begin to heat up.
- Keep the terminals on the player or on the battery case away from metallic objects or surfaces. Such contact may short-circuit the terminals and cause dangerous heat generation. When carrying the player with you, always keep the battery case attached to the player and the player in the supplied carrying pouch.
- When you carry the supplied rechargeable battery, be sure to put it in the supplied rechargeable battery carrying case. Carrying the rechargeable battery without the case may cause a short-circuit with metallic objects such as coins, key rings, or necklace. As a result, a heat may generate.
- Do not put any foreign objects in the DC IN 1.5V jack.
- Do not carry or store the dry battery or battery case in the same place with metallic objects such as coins, key rings, or necklaces. This may cause a short-circuit to occur and the generation of heat.
- Incorrect battery usage may lead to leakage of battery fluid or bursting batteries. To prevent such accidents, observe the following precautions:
  - Install batteries with the + and - poles aligned correctly.
  - Do not recharge dry batteries.
- If a battery leak should develop, carefully and thoroughly wipe away battery fluid from the battery compartment before inserting new one.
- If you are not going to use this player for a long time, be sure to disconnect the power supply (AC power adaptor, dry battery, or rechargeable battery). To remove the AC power adaptor from the wall outlet, grasp the adaptor plug itself; never pull the cord.

**About charging**

- Do not use it to charge any other battery besides the one designated for it.
- Because of the battery's character, the capacity of the battery may be shorter than normal when it is used for the first time or after a long period of disuse. In this case, charge and discharge the battery several times. The battery life will be restored.
- If the rechargeable battery capacity becomes half the normal life, replace it with a new one.
- Remove the rechargeable battery when the unit is not to be used for a long time.
- Disconnect the charger from the wall outlet as soon as the battery has been charged. Leaving it connected may result in reduced battery performance.
- Though the charger and the battery may become hot during the charging procedure, this poses no danger.

**On the battery case**

The supplied battery case is designed for use with the MZ-E700 only. Never use another type of battery case with this player.

**Handling**

- Do not drop or give a bump the player. This may cause the player to malfunction.
- Do not pull on the remote control or headphones/earphones cords.
- Do not place the player in the following places:
  - An extremely hot place (over 60°C (140°F))
  - A place exposed to direct sunlight or near a heater
  - In a car with the windows rolled up (especially in the summer)
  - In a damp place such as a bathroom
  - Near a source of electromagnetic fields such as a magnet, speaker, or TV
  - In a dusty place
- If you experience an allergic reaction to the supplied headphones/earphones, stop using them at once and consult a doctor or a Sony service center.

**On heat build-up**

Heat may build up in the player if it is used for an extended period of time. This, however, is not a malfunction.

**On mechanical noise**

The player gives out mechanical noise while operating, which is caused by the power-saving system of the player. This is not a malfunction.

**On installation**

- Never use the player where it will be subjected to extremes of light, temperature, moisture or vibration.
- Never wrap the player in anything when it is being used with the AC power adaptor. Heat build-up in the player may cause malfunction or injury.

**On the headphones/earphones****Road safety**

Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your player at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

**Preventing hearing damage**

Avoid using headphones/earphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.

**Caring for others**

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate of the people around you.

**About remote control**

The supplied remote control is designed for use with the MZ-E700 only. Note also that the player cannot be controlled by remote controls for other models.

**On the MiniDisc cartridge**

- Do not touch the internal disc directly. Forcing the shutter open may damage the internal disc.
- Do not place the cartridge where it will be subjected to light, temperature, moisture or dust.
- Do not affix the label outside of the specified area on the MD. Make sure the label is placed within the recessed space on the disc.

**On cleaning**

- After wiping the player casing with a soft cloth slightly moistened with water, wipe it again with a dry cloth. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene as it may mar the finish of the casing.
- Wipe the disc cartridge with a dry cloth to remove dirt.
- Dust on the lens may prevent the unit from operating properly. Be sure to close the disc compartment lid after inserting or ejecting an MD.
- To maintain good sound quality, use a soft cloth to clean the plugs of the headphones/earphones and remote control. A dirty plug may cause noise or intermittent breaks in the sound during playback.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

**Troubleshooting****The player does not work or works poorly.**

- You tried to play with no disc in the player.
  - Insert an MD.
- The hold function is activated and the controls are locked. (If you press any of the operation buttons on the player, "HOLD" flashes on the remote control.)
  - Slide HOLD against the direction of the arrow to release the hold function.
- When the remote control is enabled for the making settings ("MENU" appears on the remote control when the buttons on the player are pressed).
  - End the procedure for making settings using the remote control or disconnect the remote control plug.
- Moisture has condensed inside the player.
  - Take the MD out and wait for several hours until the moisture evaporates.
- The rechargeable battery or dry battery is weak ("LOW BATT" flashes on the remote control).
  - Replace a new dry battery or recharge the battery.
- The rechargeable battery or dry battery has been installed incorrectly.
  - Install the battery with correct polarity.
- An MD with no recording on it is inserted ("BLANKDISC" flashes on the remote control).
  - Insert a recorded MD.
- The player cannot read the disc (it's scratched or dirty) ("DISC Err" flashes on the remote control).
  - Reinsert or replace the disc.
- While operating, the player received a mechanical shock, too much static, abnormal power voltage caused by lightning etc.
  - Restart as follows.
    - 1 Disconnect all the power sources.
    - 2 Leave the player for about 30 seconds.
    - 3 Connect the power source.

**The MD is not played normally.**

- The player is set to the repeat mode ("◁" is displayed on the remote control).
  - Press PLAYMODE repeatedly until "◁" disappears, then start playing.

**The MD cannot be played from the first track.**

- Disc playing stopped before it came to the last track.
  - Press **◀◀** repeatedly or eject and reinsert the MD once to go back to the beginning of the disc, and restart playing after checking the track number in the display.
- The program play settings of that MD has been stored in Personal Disc Memory.
  - Cancel the stored settings.

**The Digital Sound Preset function does not function.**

- The Digital Sound Preset function is off.
  - Press SOUND on the remote control repeatedly to select "SOUND1" or "SOUND2."

**Playback sound skips.**

- The player is placed where it receives continuous vibration.
  - Put the player on a stable place.
- A very short track may cause sound to skip.

**Sound has a lot of static.**

- Strong magnetism from a television or such device is interfering with operation.
  - Move the player away from the source of strong magnetism.

**Momentary noise is heard.**

- The sound was recorded in LP4 stereo mode.
  - Because of the nature of the compression method used in LP4 mode, noise may be heard on very rare occasions when playing back sound recorded in this mode.

**The rechargeable battery does not start charging (in case of a charger with a lid).**

- The lid of the battery charger is not closed properly.
  - Close the lid and slide the lock.
- A disc is playing.
  - Stop playback.

**No sound comes through the headphones/earphones.**

- The headphones/earphones plug is not firmly connected.
  - Connect the headphones/earphones plug firmly to the remote control.
  - Connect the headphones/earphones plug firmly to the ⚡ jack.
- Volume is too low.
  - Adjust the volume by pressing VOLUME +/- (VOL +/- on the remote control).
- AVLS is on.
  - Slide AVLS to NORM.

**Specifications****Audio playing system**

MiniDisc digital audio system

**Laser diode properties**

Material: GaAlAs

Wavelength: λ = 790 nm

Emission duration: continuous

Laser output: less than 44.6 μW

\* This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.

**Revolutions**

Approx. 300 rpm to 2,700 rpm

**Error correction**

ACIRC (Advanced Cross Interleave Reed Solomon Code)

**Sampling frequency**

44.1 kHz

**Coding**

ATRAC (Adaptive Transform Acoustic Coding)

ATRAC3: LP2

ATRAC3: LP4

**Modulation system**

EFM (Eight to Fourteen Modulation)

**Number of channels**

2 stereo channels

1 monaural channel

**Frequency response**

20 to 20,000 Hz ± 3 dB

**Wow and Flutter**

Below measurable limits

**Outputs**

Headphones/earphones: stereo mini-jack, maximum output level 5 mW + 5 mW, load impedance 16 ohms

**Power requirements**

Nickel metal hydride rechargeable battery

One NH14WM (supplied): 1.2V, 1,400 mAh

One LR6 (size AA) battery (not supplied)

External power jack: Power rating 1.5V DC

**Battery operation time**

See "When to replace or recharge the battery"

**Dimensions**

Approx. 78.0 × 14.0 × 72.0 mm (w/h/d) (3 1/4 × 7/16 × 2 7/8 in.)

(not including projecting parts and controls)

**Mass**

Approx. 85g (3.0 oz) (the player only)

**Supplied accessories**

Headphones/earphones with a remote control (1)

Battery charger (1)

Rechargeable battery (1)

Rechargeable battery carrying case (1)

Dry battery case (1)

Carrying pouch (1) (except for the U.S.A model)

AC plug adaptor (1) (world model only)

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Design and specifications are subject to change without notice.

**Optional accessories**

AC-E15HG AC power adaptor\*

CPA-9C Car connecting pack

DCG-ED15 Car battery cord

MDR series stereo headphones/earphones\*\*

SRS series Active Speakers

Carrying pouch

- The operative voltage for the AC power adaptor varies depending upon the country in which it is sold. Therefore, purchase the AC power adaptor in the country you intend to use it.

\*\* Whether you should plug the headphones/earphones directly to the ⚡ jack on the main unit or to a remote control, use only headphones/earphones with stereo mini plugs. Headphones/earphones with a microplug cannot be used.

**Stereo mini plugs****Micro plug**

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information about the accessories in your country.

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