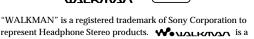
3-250-259-12(1) SONY

Portable MiniDisc Player

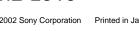
Operating Instructions







trademark of Sony Corporation. *MZ-E510*





WARNING

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

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the

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

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

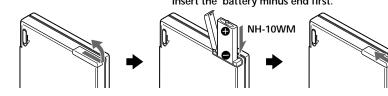
IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

The validity of the CE marking is restricted to only those countries where it is legally enforced

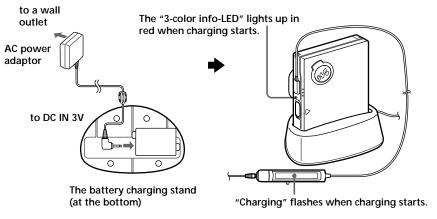
Getting started

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

Insert the rechargeable battery.

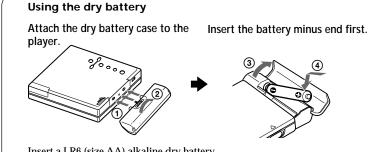


2 Charge the rechargeable battery.



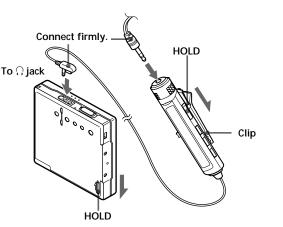
The battery condition is indicated by the "3-color info-LED" on the player: Red \rightarrow Orange \rightarrow LED off (approx. 2.5 hours late The player can be used when the LED has turned off.

If you start playback or do another operation during charging, the charging will stop



Insert a LR6 (size AA) alkaline dry battery. To operate the player for the longest possible time, use the dry battery together with a fully charged rechargeable battery.

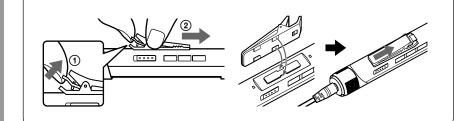
Make connections and unlock the controls.



Using the clip for the remote control

It may be hard for you to read the indications in the display if the remote control is attached upside down with the clip in its current position. In this case, attach the clip in the opposite direction as shown below.

2 Attach the clip in the opposite direction.

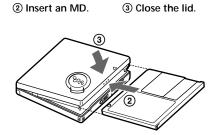


Playing an MD

1 Insert an MD.

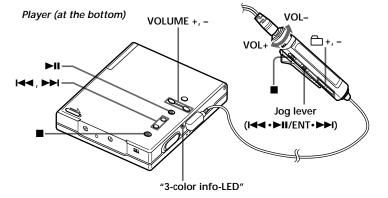
1 Slide OPEN to open the lid.





Insert an MD with the label side facing up, pushing the MD to the direction of the arrow in the illustration

2 Play an MD.



① Press the jog lever (►II) on the remote control. (Press ►II on the player.) A short been sounds in the headphones/earphones. The LED lights up

② Turn the volume control towards VOL + or - on the remote control to adjust the volume. (Press VOLUME + or - on the player.) The volume indicator appears in the display, allowing you to check the volume level.

To stop play, press ■.

Cue to the beginning of Press 🗀 + or – button.

1) For more details, see "Using the group function."

Operating status

About the "3-color info-LED"

track while viewing

(Index search)

every 10th track

Remove the MD

(only during playback of

the disc with no group

A long beep sounds in the headphones/earphones

Playback starts from the point you last stopped playing. To start playback from the beginning of the disc, press and hold the jog lever (>II) for 2 seconds or more on the remote control (Press and hold >II for 2 seconds or more on the player).

То	Do this (Beeps in the headphones/earphones)
Pause	Press the jog lever (►II) on the remote control (continuous short beeps). (Press ►II on the player.) Press the jog lever (►II on the player) again to resume play.
Cue to the current track or the previous track	Slide the jog lever towards ◄ on the remote control (three short beeps). (Press ◄ on the player.)
Cue to the next track	Slide the jog lever towards ▶▶I on the remote control (two shor beeps). (Press ▶▶I on the player.)
Go backwards or forward while playing	Slide and hold the jog lever towards ◄ or ► on the remote control. (Press and hold ◄ or ► on the player.)
Searching for a specific position while viewing a elapsed time (Time search)	While the player is paused, slide and hold the jog lever towards l◀◀ or ▶▶I on the remote control.

Press ■, and then slide OPEN.2

²⁾ Once you open the lid, the point to start play will change to the beginning of the first track.

The LED indicates the current operating mode, charging status, and battery condition. For details about the charging status, see "Getting started." For details about the battery condition see "When to replace or recharge the battery" on the back page.

Playing a disc with no group settings

Cueing to another group (Group Skip)

Playing a disc with group settings

Searching for a specific While the player is stopped, slide and hold the jog lever towards

You can use the repeat function for normal play, single-track play, shuffle play, and program play mode.

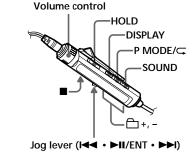
1 During playback in the selected play mode, press and hold P MODE/ \subseteq for 2 seconds or more.

"⊊" appears in the display Repeat play indication

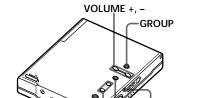
By pressing the P MODE/← button during used with repeat play.

► Various ways of

playback Remote control



Player (at the bottom)



Selecting the play mode

You can select from the various play modes using the P MODE/⊊ button on the remote

Press P MODE/⊊ repeatedly. Each time you press the button, the play mode changes as follows:

	Play mode	e indication 	
	13:52	SHUF	
Display*	Play mode		

(none)	All the tracks are played once.
(normal play) 1 (single-track play)	A single track is played once.
(bookmark play)	Bookmarked tracks play back in order of their track number.
SHUF (shuffle play)	All the tracks are played in random order.
PGM	The tracks are played in

specified. Group play mode () appears whenever you memory even after playback finishes or is play a disc with group settings. For more details, see "Using the group function."

Playing a track repeatedly

(program play) the order that you

≌003 13:52

Press and hold P MODE/\$\square\$ for 2 seconds of

Listening to selected tracks only (Bookmark Play)

Flashing slowly

You can bookmark tracks on a disc and play them only. The sequence of bookmarked tracks cannot be changed.

To bookmark the tracks

1 While playing the track you want to bookmark, press and hold the jog lever for 2 seconds or more.

2 Repeat step 1 to bookmark other tracks ou can bookmark with up to 15 tracks.

To play the bookmarked tracks

The first track for bookmark play is set

1 During playback, press P MODE/⊊ repeatedly until " TrPLAY?" appears in the display.

Press the jog lever. The bookmarked tracks start playing, starting with the smallest track number.

To erase a bookmark While playing the track for which you want to erase the bookmark, press and hold the jog lever for 2 seconds or more

If you open the lid, all bookmarks are

Listening to tracks in a desired sequence (Program Play)

- repeatedly until "PGM" appears in the
- **2** Slide the jog lever repeatedly to select a track, and then press the jog lever to enter that track.

track number programmed number

CERTIFICATION (PGMO1)

- **3** Repeat step 2 to program more tracks.
- **4** After programming the tracks, press and hold the jog lever for 2 seconds or The program is stored and playback starts from the first track.

The program play settings will remain in

All program settings are lost when the lid is

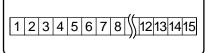
Using the group function

playback of discs with group settings. The group function is convenient for playback of MDs on which several albums or CD singles have been recorded in MDLP (LP2/LP4)

What is a disc with group settings? The player can play back tracks in units of groups; that is tracks that have been recorded on a disc as part of separate groups, as shown The "3-color info-LED" lights up in green

when a disc with group settings is being Before group settings are made

Disc



Track 1 to 5 are assigned to group 1. Track 8 to 12 are assigned to group 2. Track 13 to 15 are assigned to group 3 Track 6 and 7 are not assigned to a

After setting the group (group play)

	Disc	
Group 1	Group 2	Group 3
12345 6	12345	123

Tracks that were not assigned to a group are treated as being part of "Group -

The player does not support the recording of

group settings. Use an MD recorder to set the group. For details, see "Registering groups using an MD recorder."

Playing a track in group play

In group play, all groups are played in order, starting with group 1, followed by the unassigned tracks ("Group - -"). Playback stops after all the tracks have been played.

repeatedly until "appears in the

Cueing to the start of a group

On the remote control

1 During playback, press ☐ + or -. Pressing the ☐ - button cues to the first track in the current group. Pressing the button again cues to the first track of the previous group. During group cuein the "3-color info-LED" on the player flashes in orange.

On the player

- **1** During playback, press GROUP. The "3-color info-LED" on the player lights up in orange.
- **2** Press | **◄** or **▶▶**|.

Selecting the play mode for group play (Group Play Mode)

The shuffle play and program play function can be used during group play mode.

1 Press P MODE/⊊ repeatedly. After normal playback, the following play modes are displayed:

Display	Play mode
(Normal Group Play)	All tracks in the groups play back once (starting with the first track in group 1).
SHUF (In-Group Shuffle)	Shuffle play starts with the group that is currently playing, and continues with the succeeding groups.
PGM (Group Program)	The groups are played the order that you

Repeat play for the selected group play mode (Group Repeat Play)

play mode, press and hold

group mode.

☐ SHUF ⊂

□ PGM ⊊

group function

Specifying groups

P MODE/ for 2 seconds or more.

Playback repeats in the respective

Do the procedure explained in "Listening to

tracks in a desired sequence (Program Play

sequence of tracks within the groups cannot

to play back groups in a desired sequence

An MD recorder with the group function

Refer to the operating instructions of the MD

An MD recorder that does not support the

The procedure below allows you to assign

tracks to a group using the disc name-editing

1 Change the disc name to the following

0;[Disc name] // [First track of group 1]

[Last track of group 1]; [Name of group 1] //

[First track of group 2] - [Last track of group 2]

// Separator between groupsHyphen placed between the first

Separator between track number and

(Ex.) Set the following groups for the disc

My Favorites 2003 winte

Jun&Tac"sunshine head

THE NIGHT BUTTERFLYS

track and the last track

by using the MD recorder:

[Name of group 2] //

(A) Disc name

B Track number

Group name

Group name

named "Collections

Group name for tracks 1-7:

Group name for tracks 8-17:

Group name for tracks 18-24:

Group name for tracks 25-32: Dream World/Kiss Me!

1–7;My Favorites "2003winter" / 8–17;Jun&Tac"sunshine head"// 18–24;THE NIGHT BUTTERFLYS//

• The characters ";", "/", and "-" can be used in

a group name.
• You can register the same group name more

· You can specify a group without entering a

 Up to 99 groups can be registered on a single MD. The actual number, however, will be less than 99 if you have entered more characters

• Depending on the specifications of your MD recorder, the group function may not work

Text string entered

0:Collections/

group name (©) for it.

than are allowed per disc.

You can program up to 10 groups. The

Play mode

Repeat play of tracks

Repeat shuffle play of

tracks within a group

Repeat play for group

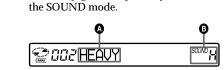
You can select from 6 kinds of sound **1** During playback in the selected group

> **1** During playback, press SOUND repeatedly to select "SOUND."

Adjusting the sound

(6-Band Equalizer)

- **2** Press and hold SOUND for 2 seconds
- **3** Slide the jog lever repeatedly to select



Each time you slide the jog lever, **A** Playing groups in a desired and **B** change as follows sequence (Group Program

HEAVY SOUND H POPS SOUND P JAZZ SOUND J UNIQUE SOUND U CUSTOM1 SOUND 1 CUSTOM2 SOUND 2

4 Press the jog lever to enter the selected Registering groups using an

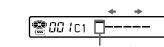
To cancel the procedure Press and hold the DISPLAY button or the ■ button for 2 seconds or more

Slide the jog lever repeatedly in step 1 above until the indication at **3** disappears.

To modify and store the sound

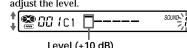
To cancel the setting

- You can customize the sound settings in "CUSTOM1" and "CUSTOM2." **1** Do steps 1 to 3 above, and then slide the
- jog lever until "CUSTOM1" or "CUSTOM2" appears. 2 Press the jog lever.
- **3** Slide the jog lever repeatedly to select the



Frequency (100 Hz) From the left, you can select 100 Hz, 250 Hz, 630 Hz, 1.6 kHz, 4 kHz, or 10 kHz

4 Turn the volume control repeatedly to adjust the level.



You can select from among sever -10 dB, -6 dB, -3 dB, 0 dB, +3 dB,

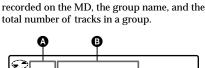
5 Repeat steps 3 and 4 to adjust the level

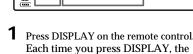
6 Press the jog lever to enter the selection.

Viewing the track name and playing time in the display on the remote

control You can check the track or disc name, track number, the elapsed playing time of the current track the number of the tracks

► Other operations





display changes as the follows:		
A	3	
Track number	The elapsed time	
Track number	Track name	
The number of total tracks in the group	Group name	
The number of	Disc name	

total tracks

Track number

Track number

· Depending on whether group play or normal play is selected, the operating conditions, and the disc settings, you may not be able to select certain indications or the indications ma appear different.

• During playback, the SP/LP mode appears

Sound mode

SP/LP mode

momentarily, and is then replaced by the elapsed time of the current track.

Suppressing the skips of the sound (G-PROTECTION)

The G-PROTECTION function was developed to provide a higher level of shock resistance than that of existing players in order to allow the player to be used while jogging.

The playback sound may skip if:

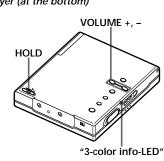
• a dirty or scratched MiniDisc is played.

▶Other operations (continued)

Remote control

-HOLD —DISPLAY —P MODE/⊊ Jog lever (I◄◀ •►II/ENT•►►I

Player (at the bottom)



Starting playback quickly (Quick Mode

After pressing the playback button or cueing to a track, you can start playback quickly. This procedure can be done by the remot

- **1** Press and hold DISPLAY for 2 seconds
- **2** Slide the jog lever repeatedly until PowerMode" appears in the display, and then press the jog lever.
- **3** Slide the jog lever repeatedly until "QUICK" appears in the display, and then press the jog lever to enter the

"QUICK" appears in the display

To cancel the procedure Press and hold the DISPLAY button or the ■

To cancel the setting Select "NORMAL" in step 3 above

- When the power mode is set to "QUICK," the power remains on within the player even when nothing appears in the display. This leads to a shorter battery life. For this reason, it is ended that you charge the batter • If no player operation (including opening o
- closing of the lid) occurs for 17 hours, the power in the player automatically turns off For this reason, the next time you start playback or do another operation, the player will not respond quickly. The unit, however, will return to quick mode afterwards.

Protecting your hearing (AVLS)

AVLS (Automatic Volume Limiter System) function keeps down the maximum volume to protect your ears.

1 During playback, press and hold

DISPLAY for 2 seconds or more. **2** Slide the jog lever repeatedly until "AVLS" appears in the display, and

then press the jog lever.

3 Slide the jog lever repeatedly until "AVLS ON" appears in the display and then press the jog lever to enter

"AVLS ON" appears in the display.

To set the AVLS function on the During playback, slide HOLD in the direction of ____, and then while pressing VOLUME -.

To cancel the AVLS function On the remote control, select "AVLS OFF" in step 3 above and press the jog lever.

Turning off the beep

sound

slide HOLD in the opposite direction

On the player, during playback, slide HOLD in the direction of \Longrightarrow , and then while pressing VOLUME +, slide HOLD in the

the selection. You can set the beep so that it is not emitted

when the player and the remote control are This procedure can be done by the remote

- 1 Press and hold DISPLAY for 2 seconds
- **2** Slide the jog lever repeatedly until "BEEP" appears in the display, and then press the jog lever.
- **3** Slide the jog lever repeatedly until "BEEP OFF" appears in the display and then press the jog lever to enter

To cancel the procedure Press and hold the DISPLAY button or the ■ button for 2 seconds or more.

To cancel the setting Select "BEEP ON" in step 3 above.

Turning on/off the backlight in the display on the remote control

You can set the backlight in the display on the This procedure can be done by the remote

- **1** Press and hold DISPLAY for 2 seconds
- **2** Slide the jog lever repeatedly until "BACKLIGHT" appears in the display, and then press the jog lever.
- **3** Slide the jog lever repeatedly to select one of the following settings: Display Setting
- AUTO The backlight lights when you remote control, and automatically turns off when no operation is made for a while (factory setting).
- The backlight lights while the player is operating.
- OFF The backlight stays off.
- **4** Press the jog lever to enter the setting.

Locking the controls (HOLD)

1 Slide HOLD on the remote control in the direction, and slide HOLD on the player in the <u></u>direction. Sliding HOLD on the remote control disables the controls on the remote control. Sliding HOLD on the player disables the controls on the player.

To unlock the controls Slide HOLD to the opposite directions of the

Preserving battery power (Power Save Mode)

This function allows you to maximize the operating life of the battery. Power consumption is reduced by turning off the "3-color info-LED" at all times, or by turning off the display when no operation has been This procedure can be done by the remote

1 Press and hold DISPLAY for 2 seconds

2 Slide the jog lever repeatedly until and then press the jog lever.

Select "NORMAL" in step 3 above

When to replace or recharge the battery

You can check the battery condition through and the "3-color info-LED" on the player while using the player

Battery power decreasing

"PowerMode" appears in the display,

3 Slide the jog lever repeatedly until

To turn on the "3-color info-LED"

- "Preserving battery power").
- **Electronics and Information Technology** MDW-series Mini-disc).

location, the operating conditions, and the type

Using house current

this, connect the battery charging stand to an

▶Power sources

Indicator on the remote control

display, and the power goes off

"LOW BATT" flashes in the

The LED lights up. The LED flashes slowly. Battery power

The LED flashes quickly. The battery is low. The LED will soon turn off and the

- "PowerSave" appears in the display, and then press the jog lever to enter The "3-color info-LED" turns off.

To cancel the procedure Press and hold the DISPLAY button or the button for 2 seconds or more

Weak battery The battery has gone out.

Indicator of the "3-color info-LED" on the

There is sufficien

supply of power will

- The battery indicator may show the battery to be fully charged even when it is not. Charging the battery shorter than the prescribed time will result in a shorter operating time on the
 - A stronger or weaker battery charge may be an MD, or when you use the player at a very

Battery life1) (Unit: Approx. hours) (JEITA²⁾)

Batteries	SP Stereo (normal)	LP2 Stereo	LP4 Ste
Ni-MH rechargeable battery NH-10WM ³⁾	26	32	42
LR6 (SG) Sony Alkaline dry battery ⁴⁾	57	72	91
LR6 (SG) ⁴⁾ and NH-10WM ³⁾	85	107	130

- 1) Measured with the power save function on (see
- ²⁾ Measured in accordance with the JEITA (Japan Industries Association) standard (using a Sony
- 3) With a fully charged battery
 4) When using a Sony LR6 (SG) "STAMINA" alkaline dry battery (produced in Japan).

The battery life may be shorter than that specified, depending on the temperature of the

You can operate the player without a rechargeable battery or a dry battery. To do and then place the player on the stand.

► Additional information

Precautions

On safety

 Make sure to keep the player in the supplied carrying pouch. If the terminals on the player battery-charging stand, or battery case are

On handling

cause the player to malfunction.

headphones/earphones cords.

(especially in the summer)

however, is not a malfunction.

On mechanical noise

moisture or vibration.

On the remote control

controls for other models.

On the MiniDisc cartridge

On installation

• Do not pull on the remote control or

Do not place the player in the following

- An extremely hot place (over +60°C

— In a car with the windows rolled up

In a damp place such as a bathroom

such as a magnet, speaker, or TV

Heat may build up in the player when it is

charging or operated for a long time. This,

The player emits mechanical noise while

operating, which is caused by the power-

saving system of the player. This is not a

• Never use the player where it will be

subjected to extremes of light, temperature

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

The supplied remote control is designed for use with the MZ-E510 only. Note also that

the player cannot be controlled by remote

Do not touch the internal disc directly

Forcing the shutter open may damage the

• When transporting a minidisc, keep it in its

• Do not place the cartridge where it will be

within the recessed space on the disc.

Road safetyDo not use headphones/earphones while

driving, cycling, or operating any motorized vehicle. This may lead to a traffic accident

and is illegal in many areas. It can also be

potentially dangerous to play your player a high volumes while walking, especially at

pedestrian crossings. You should exercise

extreme caution or discontinue using the

If you experience an allergic reaction to the

supplied headphones/earphones, stop using them at once and consult a doctor or a Sony

Avoid using headphones/earphones at high

volumes. Hearing experts advise against continuous, loud and extended play. If you

experience a ringing in your ears, reduce the

Keep the volume at a moderate level. This

be considerate of the people around you

will allow you to hear outside sounds and to

The supplied battery case is designed for use

After wiping the player casing with a soft cloth slightly moistened with water, wipe it

abrasive pad, scouring powder or solvent

the finish on the casing.

• Wipe the disc cartridge with a dry cloth to

• Dust on the lens may prevent the unit from

To maintain good sound quality, use a soft

cloth to clean the plugs of the headphones.

sound during playback.

earphones and remote control. A dirty plug

may cause noise or intermittent breaks in the

operating properly. Be sure to close the disc

compartment lid after inserting or ejecting ar

such as alcohol or benzene as this may mar

again with a dry cloth. Do not use any type of

player in potentially hazardous situati

Preventing hearing damage

Caring for others

On the battery case

with the MZ-E510 only.

On cleaning

On the headphones/earphone

subjected to light, temperature, moisture o

Do not affix the label outside of the specified

area on the MD. Make sure the label is placed

— A place exposed to direct sunlight or near 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 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 necklaces. As a result, heat may be generated.
- Do not put any foreign objects in the DC IN 3V 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 and the generation Incorrect battery usage may cause the battery fluid to leak or battery to burst. To prevent such accidents, observe the following
- Install battery with the + and poles aligned correctly

· If a battery leak should develop, carefully and

- Do not charge dry battery.

thoroughly wipe away the battery fluid in the battery compartment before inserting a new If you will not use the player for a long time be sure to disconnect the power supply (AC power adaptor, dry battery, rechargeable battery, or battery charging stand). When disconnecting the AC power adaptor from the

On the AC power adaptor (for the

never pull the cord.

supplied battery charging stand) power adaptor. Do not use any other AC power adaptor since it may cause the player to

electrical outlet, grasp the adaptor plug itself;



• Connect the AC power adaptor to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet immediatel

On charging

- The supplied battery charging stand can be used only with the MZ-E510. It cannot be used to charge any other models.
- Do not use the supplied battery charging stand to charge any other battery besides the ne designated for it. Charge the rechargeable battery at a
- temperature of +5°C (+41°F) to +40°C (+104°F). The charging time will vary according to the surrounding temperature.The battery charging stand and the battery
- may become hot during the charging procedure; this, however poses no danger.

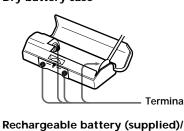
 Because of the battery's characteristics, the capacity of the battery may be smaller than normal when it is used for the first time or after a long period of disuse. In this case, charge and discharge the battery several
- If the capacity of the rechargeable battery drops to half the normal amount, replace it
- with a new one.

 As soon as the charging is complete, remove the player from the battery charging stand and disconnect the battery charging stand from the electrical outlet. Leaving it connected may result in reduced battery

Do not drop or bump the player. This may

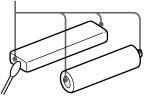
- swab or a soft cloth as illustrated
- Rechargeable battery compartmen

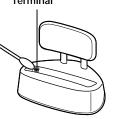
Dry battery case



Dry battery (not supplied)

Battery charging stand





If you have any questions or problems concerning your player, please consult you nearest Sony dealer. (If a trouble occurred recommend that the disc be left in the plave when you consult your Sony dealer so tha the cause of trouble may be better

Troubleshooting

The rechargeable battery does not start charging.The terminals of the battery charging

- → Wipe the terminals with a dry cloth.
- The rechargeable battery is not inserted in the player.

 → Insert the rechargeable battery into
- the player.
- or too low ("CannotCHG" appears in the display when the surrounding
- emperature is too high, or "SLOW
- The "3-color info-LED" does not light up
- in the player.
- The LED may not light on immediately after you placed the player on the battery charging stand.
- minutes and charging will begin.

The player does not work or works

- **→** Install the battery with correct
- remote control). → 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" appears on the remote
- hold function. while making a setting on the remote control. ("MENU" appears on the
- → End the setting procedure using the Moisture has condensed inside the
- Take the MD out and wait for several hours until the moisture has evaporated. • The rechargeable battery or dry battery
- is weak ("LOW BATT" appears on the remote control). → Insert a new dry battery or recharge
- the battery. • An MD with nothing recording on it is inserted ("BLANKDISC" appears on
- The player cannot read the disc. (it's scratched or dirty) ("READ ERR" or "TOC ERR" appears on the remote
- lightning etc
- → Restart the player as follows: 1 Disconnect the power source. 2 Let the player sit for about
- There is no sound output from the
- firmly inserted. → Insert the headphones/earphones
- AVLS is on. details, see "Protecting your

- stand are dirty.
- reaching the last track. → Open the lid or when the player
- The surrounding temperature is too high
- CHG" when temperature is too low). → Charge the battery at a temperature of $+5^{\circ}$ C (+41°F) to $+40^{\circ}$ C (+104°F).
- even when the player is placed on the battery charging stand. • The rechargeable battery is not inserted
- → Insert the rechargeable battery into the player.
- → Because of the nature of the → The LED will light up after about 3
- The rechargeable battery or dry battery During playback, the "3-color info-I FD" or display on the remote control does has been installed incorrectly.
- · You tried to play with no disc in the player ("NO DISC" appears on the
- → Slide HOLD in the opposite direction of the arrow to release the • You pressed on a button on the player
- remote control when a button on the player is pressed.)

- → Insert a recorded MD.
- control.) → Reinsert or replace the disc
- While operating, the player received a mechanical shock, too much static, bnormal power voltage caused by
- 3 Reconnect the power source
- headphones/earphones. • The headphones/earphones plug is not
- plug firmly to the remote contro ➤ Insert the headphones/earphones plug firmly into the () jack.
- → Cancel the AVLS function. For more

- The MD does not play normally.
 - The player is set to the repeat mode. → Press and hold the P MODE/ G button on the remote control until "

 ¬" disappears, then start playing.

stops, press and hold the jog lever

for 2 seconds or more to start

• The player is placed where it receives

→ Place the player at a stable place.

• A very short track may cause sound to

• Strong magnetism from a television or

other device causing interference

→ Move the player away from the

source of strong magnetism

• The sound was recorded in LP4 stereo

compression method used in LP4

mode, noise may be output on very

rare occasions during playback of

sound recorded in this mode

→ In power save mode, the display or

whenever the remote control is

on the player are operated. (The

button on the player is pushed.)

exception is when the GROUP

The group function does not function.

A disc that has no group settings is

→ Insert a disc with group settings

Bookmark play on the player is not

possible, ("NoEntry" appears in the

· You tried to select bookmark play

display on the remote control.)

without setting bookmarks. → Set bookmarks.

operated, but not when the controls

the remote control turns on

Power save mode is activated.

playing from the first track.

The playback sound skips.

continuous vibration.

The sound has a lot of static.

Noise is momentarily heard.

- The MD does not play from the first Wavelength: $\lambda = 790 \text{ nm}$ • The disc stopped playing before
 - 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 apertur

Specifications

Laser diode properties

Audio playing system MiniDisc digital audio system

- Approx. 300 rpm to 2.700 rpm Error correction ACIRC (Advanced Cross Interleave Reed Solomon Code) Sampling frequency
- 44.1 kHz ATRAC (Adaptive TRansform Acoustic Coding) ATRAC3: LP2/LP4

EFM (Eight to Fourteen Modulation)

20 to 20,000 Hz ± 3 dB

Outputs

- 2 stereo channels monaural channel Frequency response
- Headphones/earphones: stereo mini-jack, output level 1 mW + 1 mW load impedance 16 Ω (European model)
- (Other models) Power requirements Nickel metal hydride rechargeable battery One NH-10WM (supplied): 1.2 V, One LR6 (size AA) battery (not supplied)

5 mW + 5 mW load impedance 16 Ω

stand): Power rating 3V DC See "When to replace or recharge the battery Dimensions Approx. $73.4 \times 80.6 \times 15.3$ mm (w/h/d) (3×

 $3^{1/4} \times 5/8$ in.) (not including projecting parts and controls)

External power jack (for the battery charging

- Approx. 67 g (2.4 oz) (the player only) Supplied accessories Headphones/earphones with a remote control
- Battery charging stand (1) AC power adaptor (for the supplied battery charging stand) (1) Rechargeable battery (1) Rechargeable battery carrying case (1) Dry battery case (1)
- US and foreign patents licensed from Dolby Design and specifications are subject to change
- Ontional accessories AC power adaptor AC-E30L (for use in Japan), AC-E30HG (for use outside Japan) NH-10WM Nickel metal hydride rechargeable

MDR series stereo headphones/earphones*

SRS series Active Speakers Whether you should plug the headphones/ earphones directly to the () jack on the main unit or to a remote control, use only ones/earphones with stereo mini plugs. Headphones/earphones with a

Your dealer may not handle some of the above

listed accessories. Please ask the dealer for

detailed information about the accessories in

your country.

The Player

Parts and controls

- VOLUME +*. button **▶II*** button HOLD (Locking the control) switch Terminals for dry battery case (at the
- 6 Terminals for charging stand (at the
- 7 GROUP button 8 Hand strap hole Use the hole to attach your strap. () (headphones/earphones) jac "3-color info-LED"
- OPEN switch Idd. ▶►I button
- * VOLUME + and ►II have a tactile dot

The display window of the remote

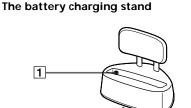
- **≌**888
- Disc indication Track number display Character information display Group play indication

6-band equalizer indications

Battery level indication

8 Bookmark indication

Play mode indication



2 DC IN 3V jack (at the bottom) The headphones/earphones with a

Terminals for charging

- remote control
- Stereo mini plug Control VOI + Turn to adjust the volume

Headphones/earphones

Jog lever (I◀◀ •►II/ENT •►►I) button (Group) +, - button HOLD switch Display window DISPLAY button

P MODE / (play mode/repeat) button

http://www.sonv.net/