

Portable MiniDisc Player

Operating instructions



"WALKMAN" is a trademark of Sony Corporation.

MZ-E909

Sony Corporation © 2001 Printed in Japan

Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

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, tablecloths, 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 apparatus.

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

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.

For customers in the United States

Owner's Record

The model number is located at the top and the serial number is located at the rear of the disc compartment lid. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. MZ-E909 Serial No.

Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

RECYCLING NICKEL METAL HYDRIDE BATTERIES

Nickel metal hydride batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.



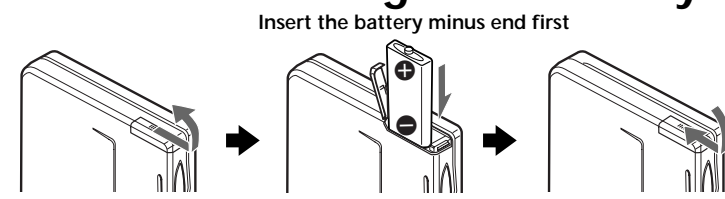
For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit http://www.tbrc.org/

Caution: Do not handle damaged or leaking nickel metal hydride batteries.

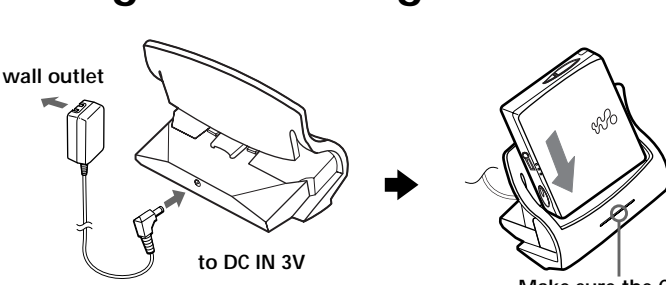
Getting started

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

1 Insert the rechargeable battery.



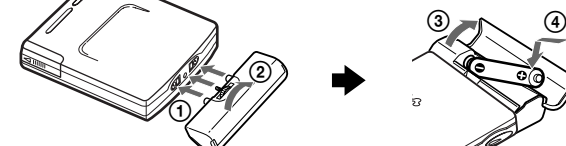
2 Charge the rechargeable battery.



- 1 Connect the supplied AC power adaptor to DC IN 3V.
2 Place the player on the battery charging stand.
Do not operate the player when you place it on the battery charging stand or during charging. If you do so, it may cause the player to malfunction or prevent the battery from charging.

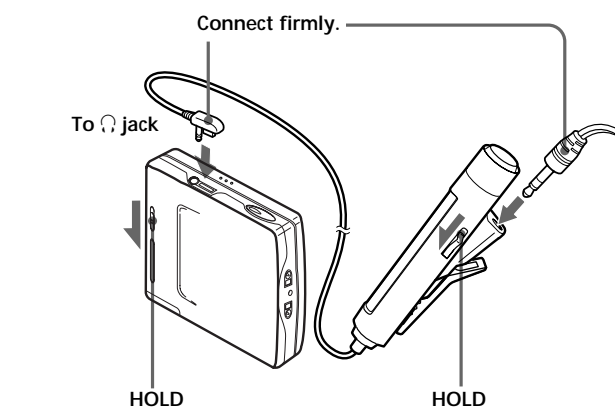
Using the dry battery

Attach the dry battery case to the player. Insert the battery minus end first.

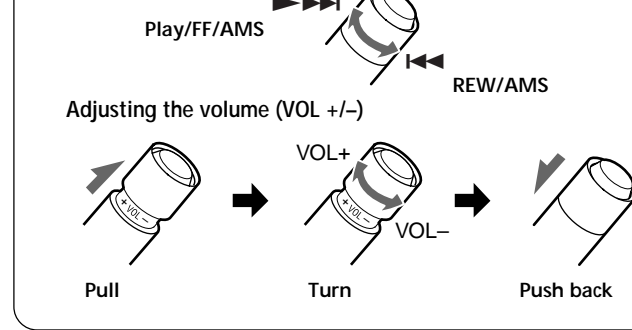


Insert a LR6 (size AA) alkaline dry battery. To operate the player for the longest possible time, use the dry battery together with a fully rechargeable battery.

3 Make connections and unlock the control.



How to use the control on the remote control
Playback: Turn the control towards [stop] while the player is stopped.
FF: Turn and hold the control towards [FF] during playback.
REW: Turn and hold the control towards [REW] during playback.
AMS: Turn the control towards [stop] or [stop] during playback.



Pull, Turn, Push back

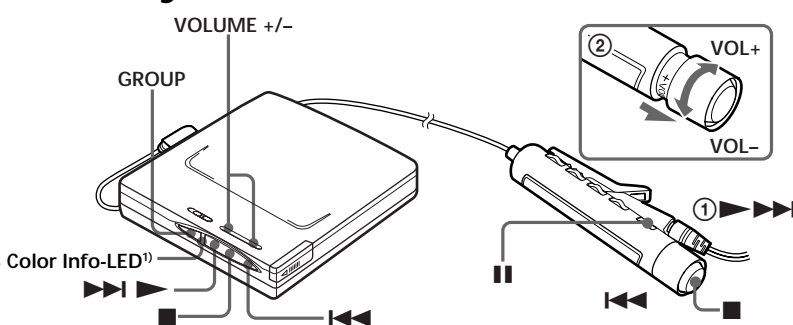
Playing an MD

1 Insert an MD.

- 1 Slide OPEN to open the lid.
2 Insert an MD.
3 Close the lid.



2 Play an MD.



- 1 Turn the control towards [stop] on the remote control (or press [stop] on the player) to play the disc.
2 Pull and turn VOL +/- on the remote control (or press VOLUME +/- on the player) to adjust the volume.
To stop play, press [stop].

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

LED color Operating status
Red Normal play (The LED lights up continuously)
Green Group mode* (The LED lights up continuously)
Orange Group skip mode* (The LED lights for about 5 seconds)
*For more details, see "Using the group function."

Table with 2 columns: To and Do this (Beeps* in the headphones). Rows include Find the beginning of the current track, Go backwards while playing, Go forward while playing, Pause, Remove the MD.

* You can turn off the beep sound.
* If you turn the control towards [stop] on the remote control...
* If you turn the control towards [stop] on the remote control...
* If you open the lid, the playback will begin from the beginning of the first track...

The MZ-E909 supports the newly developed DSP TYPE-R for ATRAC. It thus allows you to enjoy TYPE-R high-quality sound from MDs recorded in SP stereo on TYPE-R-equipped MD decks, etc.

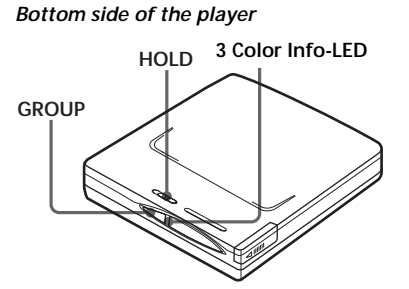
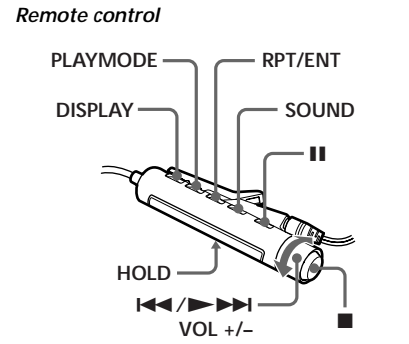
Note When removing the disc, make sure to press [stop] first, and then slide OPEN.

Viewing the display window of the remote control

Track number Track name* or elapsed time of the track
* Appears only with MDs that have been electronically labeled.

- The player can play the track recorded by 2 x 4 x long playing mode (LP2 or LP4).
The display on the remote control will turn off shortly after you press [stop].

Various ways of playback



Selecting the play mode

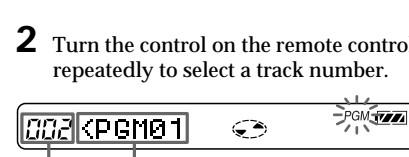
You can select from various play modes using the PLAYMODE and RPT/ENT on the remote control.

- 1 Press PLAYMODE repeatedly to select one of the four play modes, as follows:
2 Press DISPLAY for 2 seconds or more.
3 Turn the control on the remote control repeatedly until "Index" (index search) or "Time" (time search) flashes in the display...

Table with 2 columns: Display and Play mode. Rows include (none), "1", "SHUF", "PGM".

Listening to tracks in a desired sequence (Program Play)

- 1 During playback, press PLAYMODE on the remote control repeatedly until "PGM" flashes in the display.
2 Turn the control on the remote control repeatedly to select a track number.



Track Program number
number number

- 3 Press RPT/ENT on the remote control. The track is entered.
4 Repeat steps 2 and 3 to select other tracks in the desired sequence.
5 Press RPT/ENT for 2 seconds or more. The settings are entered and playback starts from the first programmed track.

- 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.

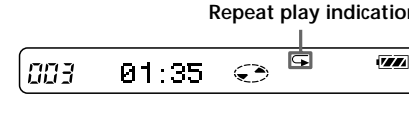
- Note All program settings are lost when the lid is opened.
If no settings are made for 5 minutes while the player is stopped, the settings made up to that point are entered.
If you turn on group mode during program play, the program play is canceled.

The player can play the track recorded by 2 x 4 x long playing mode (LP2 or LP4). Normal stereo playback, LP2 stereo playback, LP4 stereo playback or monoaural playback is automatically selected to match the audio source.

Repeat play

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

- 1 Press RPT/ENT on the remote control during playback. "C" appears in the display. Repeat play indication



Searching for a specific track or a position quickly (Quick Search)

- You can do two kinds of quick searches.
Index search - Searching quickly while monitoring the track number or track name (factory setting).
Time search - Searching quickly while monitoring the elapsed time.

- 1 During playback, press DISPLAY on the remote control for 2 seconds or more.
2 Turn the control on the remote control repeatedly until "SEARCH" flashes in the display, and press [stop] on the remote control.
3 Turn the control on the remote control repeatedly until "Index" (index search) or "Time" (time search) flashes in the display, and press [stop] on the remote control.
4 Press [stop] on the remote control to pause.
5 Turn and hold the control on the remote control until the desired track number/track name (index search) or the desired elapsed time (time search) appears in the display.
6 Press [stop] on the remote control to cancel the pause.

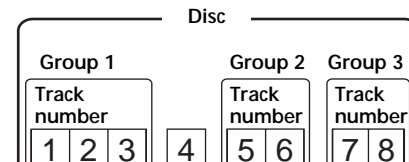
- If you do this procedure while the player is in shuffle play mode, shuffle play starts from the track that you selected.
If the player reaches to the first track or the last track on the disc as you are turning the control in step 5, it will return to the last track or the first track, respectively.
If in group mode, if the player reaches to the first track or the last track in a group as you are turning the control in step 5, it will return to the last track or the first track in that group, respectively.

Using the group function

The MZ-E909 can be used with a disc which has group settings. The group function is useful for playing a great number of tracks, or tracks that have been recorded in MDLP (LP2/LP4) mode.

What is a disc with group settings?

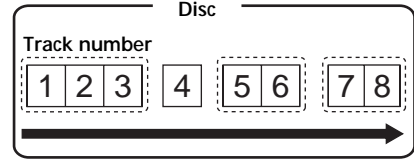
This is a disc with settings that organize tracks into groups, and which allow those groups to be selected. The MZ-E909 does not support the recording of group settings. Use your MD recorder to record group information, and then use the MZ-E909 for playback.



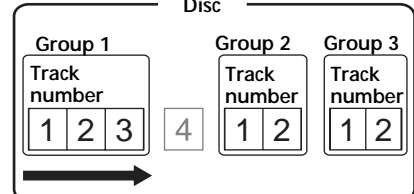
- If your recorder has a function for editing disc names, you can use it to register groups. For details, see "Registering groups using your minidisc recorder."

Listening to tracks in a specific group (Group Mode Playback)

Playback when group mode is off: Playback starts with the first track in the disc, and stops with the last track in the disc.



Playback when group mode is on: Playback of the selected group starts with the first track in the group, and stops with the last track in the group.



On the remote control

- 1 Insert a disc which has group settings into the player, and then play the disc.
2 Press DISPLAY for 2 seconds or more.
3 Turn the control repeatedly until "GROUP" flashes, and then press [stop] on the remote control.
4 Turn the control repeatedly until "GROUP ON" flashes, and then press [stop] on the remote control.
5 Turn and hold the control on the remote control until the desired track number/track name (index search) or the desired elapsed time (time search) appears in the display.
6 Press [stop] on the remote control to cancel the pause.

On the player

- 1 Insert a disc which has group settings into the player, and then play the disc.
2 Press GROUP for 2 seconds or more. The LED lights up green and group mode is turned on.
3 Press RPT/ENT for 2 seconds or more again. The LED lights up red.

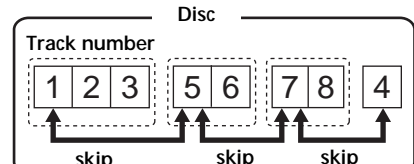
When group mode is on, it is possible to do repeat play, shuffle play, or program play. For details on the respective operations, see "Selecting the play mode."

- It is possible to save group mode's on/off setting in the personal disc memory.
In group mode, turning the controls on the remote control towards [FF] during playback of the last track of a group moves playback to the first track of the group. Turning the control 2 times on the remote control towards [REW] while playing the first track of a group moves playback to the last track of the group.

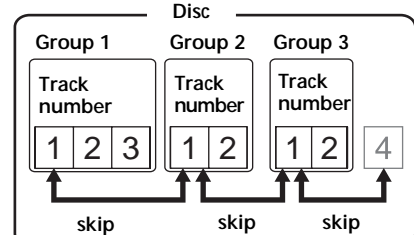
Selecting and playing specific groups (Group Skip Function)

When playing a disc with group settings, the group skip function allows you to jump from the currently playing group to any other group on the MD. The group skip function can be used at any time during playback, regardless of whether the player is in group mode on or not.

When group mode is off:



When group mode is on:

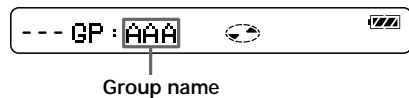


* The actual number depends on the editing ability of your recorder and may be less than 99 in some cases.

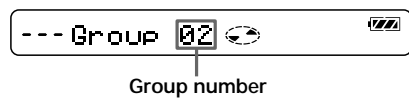
On the remote control

- 1 Insert a disc which has group settings into the player and play the disc.
2 Hold down PLAYMODE until "-" appears in the display. The player enters group skip mode.
3 Within 5 seconds, turn the control repeatedly until the name or number of the desired group appears.

When there is a group name (Example: AAA)



When there is no group name



On the player

- 1 Insert a disc which has group settings into the player and play the disc.
2 Press GROUP. The LED lights up orange and the player enters group skip mode.
3 Within 5 seconds, press [stop] or [FF] repeatedly until the name or number of the desired group appears.

Note If no operation is performed within 5 seconds in step 3, group skip mode is cancelled. To do the procedure, start from step 2 again.

Registering groups using your minidisc recorder

If your MD recorder (MD deck or recording MD Walkman) has a function for editing disc names, you can use it to register groups even if your recorder does not have the group function. Make sure you enter the text string exactly as described below. The group function will not work if you enter the text string incorrectly.

To specify groups

- 1 Change the disc name to the following by using your MD recorder:

```
0:[Disc name]//[First track of group 1]
A:
B:
C:
D:
E:
F:
G:
H:
I:
J:
K:
L:
M:
N:
O:
P:
Q:
R:
S:
T:
U:
V:
W:
X:
Y:
Z:
[Last track of group 1]//[Name of group 1]
A:
B:
C:
D:
E:
F:
G:
H:
I:
J:
K:
L:
M:
N:
O:
P:
Q:
R:
S:
T:
U:
V:
W:
X:
Y:
Z:
[First track of group 2]//[Last track of group 2]
A:
B:
C:
D:
E:
F:
G:
H:
I:
J:
K:
L:
M:
N:
O:
P:
Q:
R:
S:
T:
U:
V:
W:
X:
Y:
Z:
[Name of group 2]//.....
A:
B:
C:
D:
E:
F:
G:
H:
I:
J:
K:
L:
M:
N:
O:
P:
Q:
R:
S:
T:
U:
V:
W:
X:
Y:
Z:
```

- (A) Disc name
(B) Track number
(C) Group name
// Separator between group names
: Separator between track number and Group name

(Ex) Set the following groups for the disc named "Collections":
Group name for tracks 1-7: My Favorites"2001winter"
Group name for tracks 8-17: Jun&Tac"sunshine head"
Group name for tracks 18-24: THE NIGHT BUTTERFLYS
Group name for tracks 25-32: Dream World/Kiss Me!

Text string entered :

0:Collections//1-7:My Favorites"2001winter"//8-17:Jun&Tac"sunshine head"//18-24:THE NIGHT BUTTERFLYS//25-32: Dream World/Kiss Me!//

- *Up to 99* groups can be registered on a single MD.
The characters ";", "/", and "-" can be used in a group name.
You can register the same group name more than twice on the same MD.
You can specify a group without entering a group name (C) for it.

*The actual number depends on the editing ability of your recorder and may be less than 99 in some cases.

Note Depending on the specifications of your MD recorder, the group function will not work.

Adjusting the sound quality (Digital Sound Preset)

You can emphasize the treble and bass to suit your taste. The player can store two sets of treble-bass adjustments, which can be set later during playback.

To select the sound quality

Factory settings The factory settings of each digital sound preset are as follows:

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

- 1 Press SOUND on the remote control repeatedly to select "SOUND1" or "SOUND2."

To adjust the sound quality

- 1 During playback, press SOUND on the remote control repeatedly to select "SOUND1" or "SOUND2."

- 2 Press SOUND on the remote control for 2 seconds or more. The player changes to the bass-setting mode. Pressing SOUND for 2 seconds or more again changes the player to the treble-setting mode.
3 Turn the control on the remote control repeatedly to adjust the bass or the treble.

When you select bass-setting mode, "B" appears. When you select treble-setting mode, "T" appears.

- 3 Turn the control on the remote control repeatedly to adjust the bass or the treble. Example: While adjusting the bass, the cursor moves. (Position: -2)

The sound can be adjusted in eight steps, from -4 to +3. To set the other digital sound preset, press SOUND to select "SOUND1" or "SOUND2," and then do steps 2 and 3.

- 4 Press RPT/ENT on the remote control. The sound settings are stored and the playback display appears again.
5 Turn the control to select the playback speed. Select the speed while listening the sound. "+" shows the normal speed and the cursor shows the playback speed you are selecting.

To select a preset sound Press SOUND repeatedly to select "SOUND1," "SOUND2." Selecting no display turns off the digital sound preset function.

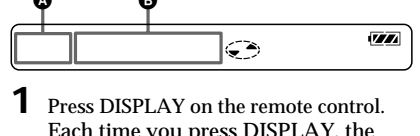
You can set a preset sound while playback is paused.

- Settings cannot be changed using the operation buttons on the player.
When using a digital sound preset, the sound may break or become distorted if the volume is turned up too high, depending on the settings or the track.

Other operations

Viewing the track name and playing time

You can check the track or disc name, track number, the elapsed playing time of the current track, the number of the tracks recorded on the MD, the group name, and the total number of tracks in a group.



- 1 Press DISPLAY on the remote control. Each time you press DISPLAY, the display changes as the follows:

Table with 2 columns: Track number and Track name. Rows show track number, group name, disc name, and track mode.

The group name appears when you select the group on group skip mode. For more details, see "Selecting and playing specific groups" in "Using the group function."

- Note Depending on whether group mode is on or off, the operating conditions, or the settings may not be selectable or the indications that appear may vary.
The mode indication appears only during playback. It appears for 2 seconds, 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.

Note The playback sound may skip if:
-the player receives stronger continuous shock.
-a dirty or scratched MiniDisc is played.

Changing playback speed (Speed Control)

Speed control function is convenient for such uses as language study. The playing speed can be set at 80% to 110% normal speed, in seven steps of 5% each.

- 1 During playback, press SPEED on the remote control for 2 seconds or more.
2 Turn the control on the remote control repeatedly until "SPEED" flashes in the display, and then press [stop] on the remote control. The player changes to speed-setting mode.
3 Turn the control to select the playback speed. Select the speed while listening the sound. "+" shows the normal speed and the cursor shows the playback speed you are selecting. Example: When the playback speed is 95% of the original speed, "-" and the cursor will flash alternately.

80% 100% 110% The playing speed can be set at 80% to 110% normal speed, in seven steps of 5% each.

- 4 Press [stop] on the remote control to set the playback speed. During playback speeds other than normal, "S" appears to the right of the elapsed time.

Although all settings will be lost when you remove the disc from the player, the settings can be stored to the personal disc memory. For more details, see "Storing the settings for individual discs."

Note The playback sound will be affected by the playback speed.

