SONY

Portable MiniDisc Recorder

Operating Instructions

WALKMAN

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MZ-R910

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► *Operating Instructions*

Looking at the controls

The numbers are keyed to the illustrations in the English text (pages 9 to 11).

The recorder

1. Display window
2. T MARK button
3. Battery compartment
4. END SEARCH button
5. VOLUME +*/– buttons
   *The VOLUME + button has a tactile dot.
6. Terminals for attaching dry battery case.
7. DC IN 3V jack
8. GROUP/CANCEL button
9. OPEN button
10. 5-way control key
    - For basic operations
      Press ►* to play/enter.
      Press ◄◄ /►► to rewind/fast forward.
      Press ‖ to pause.
      Press CHG■ to stop/charge.
      *The ► button has a tactile dot.
    - For moving the cursor and entering selected items (during text entry and other settings).
11. Jog dial (MENU/ENTER)
    Press to enter the menu, turn to select, and then press to enter.
12. LINE IN (OPT) jack
13. MIC (PLUG IN POWER) * jack
    *There is a tactile dot beside the MIC (PLUG IN POWER) jack.
14. REC (record) switch
15. HOLD switch (at the rear)
16. ⌒/LINE OUT jack

The display window of the recorder

1. Character information display
   Displays the track, group, or disc name*, date, error messages, track numbers, etc.
   *Names appear only with MDs that have been labeled.
2. Group indication
3. Disc indication
   Shows that the disc is rotating for recording, playing or editing an MD.

4. REC indication
   Lights up while recording. Flashes when standing by for recording.
5. SYNC (synchro-recording) indication
   Lights up while synchro-recording.
6. Play mode indication
   Shows the play mode of the MD.
7. Level meter
   Shows the level of the MD being played.
8. LP2 (LP2 stereo), LP4 (LP4 stereo), MONO (monaural) indication
9. Sound indication
   Lights up when Digital Sound Preset is on.
10. Battery level indication
    Shows approximate battery condition. While charging the rechargeable battery, this indication shows the charging condition.
11. Melody timer indication

The headphones/earphones with a remote control

1. DISPLAY button
2. PLAYMODE button
3. RPT/ENT(repeat/enter) button
4. SOUND button
5. ‖ (pause) button
6. ■ (stop/enter) button
7. Clip
8. Control (◄◄ /►►)
   ►►: play, AMS, FF
   ◄◄: REW
   Turn or turn and hold to play, fast forward, rewind, etc.
9. Control (VOL +/–)
   Pull and turn to adjust the volume.
10. Display window
11. HOLD switch

The display window of the remote control

1. Disc indication
2. Track number display
3. Character information display
4. Play mode indication
5. SOUND indication
6. Battery level indication
7. REC indication
8. Group indication
9. Melody timer indication

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List of menus

Menu functions

To use menu items on the recorder, press the jog dial to enter the menu, turn the dial to select the item, and then press the dial again to confirm the menu.

To use menu items on the remote control, press DISPLAY for 2 seconds or more, turn the control repeatedly to select the item, and then press ■ to confirm the menu.

menu of the recorder/the remote control	functions
EDIT/EDIT	Selecting editing operations (labeling tracks, groups, or discs, erasing tracks, groups, or discs, etc.) (pages 19 to 28).
DISPLAY/—	Displaying elapsed playing time, remaining playing time, etc.
PLAY MODE /—	Selecting the play mode (repeat play, shuffle play, etc.) (page 15).
RecVolume/—	Selecting the automatic or manual recording level adjustment (page 12).
REC MODE/—	Selecting the recording mode (SP stereo, LP2 stereo, LP4 stereo, or monaural) (page 9).
M-TIMER/ M-TIMER	Setting the alarm (Melody timer) (page 29).
AUDIO OUT/ —	Selecting ∩/LINE OUT jack output (page 18).
SOUND/—	Selecting "SOUND 1", "SOUND 2," or "SOUND OFF" (Digital Sound Preset) (page 16).
—/SPEED	Changing the playback speed during play (page 17).
—/GROUP	Turning the group function on and off (page 14).
PERSONAL/ PERSONAL	Entering or erasing the disc information in the Personal Disc Memory (page 30).
SYNC REC/—	Selecting "SYNC ON" or "SYNC OFF" when synchro-recording (page 5).
TIME MARK/ —	Selecting the Auto Time Stamp setting (page 11).

menu of the recorder/the remote control	functions
MIC SENS/—	Selecting the microphone sensitivity (page 11).
—/SEARCH	Selecting the search mode (Index search/Time search) (page 13).
OPTION/ OPTION	• AVLS (Automatic Volume Limiter System) Selecting "AVLS ON" or "AVLS OFF".
	• BEEP Selecting "BEEP ON" or "BEEP OFF" for both "MAIN UNIT" or "REMOTE" for the recorder (page 30). Selecting "BEEP ON" or "BEEP OFF" for the remote control.
OPTION/—	• REC-Posi Selecting the start point when recording (page 10).
	• LP Stamp Selecting "Stamp ON" or "Stamp OFF" (page 9).
	• CONTRAST Adjusting the contrast of the display.
	• CLOCK SET Setting the clock (page 10).

To check the menus and menu items that can be selected at each menu level, see the following pages in English text.

Menus while the recorder is:
Menus while the remote control is:

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► *Preparing*

Getting started!

See the illustrations in English text (pages 12 and 16).
Charge the rechargeable battery before using. Even if the rechargeable battery is not charged, you can use the recorder as long as the AC power adaptor is connected.

1 Insert the nickel metal hydride rechargeable battery (NH-14WM) into the recorder with the minus end first.
To use the recorder with an alkaline dry battery, insert the dry battery into the dry battery case and attach it to the recorder.

2 Charging the rechargeable battery.
① Assemble the battery charging stand. Make sure all the parts of the battery charging stand are firmly attached.
② Connect the AC power adaptor to the battery charging stand and the AC adaptor to a wall outlet.
③ Place the recorder on the battery charging stand.
Verify that the CHARGE lamp lights up. Full charging takes about six hours. When it is completed, the charge lamp goes off.
Do not operate the recorder when you place it on the battery charging stand or during the charging. If you do so, it may cause the recorder to malfunction or prevent the battery from charging.

3 Connect the headphones/earphones with the remote control to the recorder and slide HOLD to unlock the control.

For models supplied with the AC plug adaptor

If the AC power adaptor does not fit the wall outlet, use the AC plug adaptor.

Notes on rechargeable battery
• The supplied battery charging stand can be used only with this recorder. Any other models cannot be charged.
• Do not use the supplied battery charging stand to charge any other battery besides the supplied one or the one designated for it (NH-14WM).
• Though the battery charging stand and the battery may become hot during the charging procedure, this poses no danger.
• Be sure to use the supplied AC power adaptor.
• If you are recharging the battery for the first time or after a long period of disuse, the battery may not charge up to its rated capacity. This is a normal characteristic. After you use and recharge the battery a few times, it will return to its normal charge capacity.
• When the battery life of a fully charged rechargeable battery becomes about half the normal life, replace it.
• If the recorder will not be used for a long period of time, disconnect the AC power adaptor from a wall outlet and remove the recorder from the battery charging stand.
• Please note the following points when charging the battery directly with the AC power adaptor.
  —If you press CHG■ immediately after charging has completed, charging will begin again. If this happens, press CHG■ again to stop the charging operation since the battery is already fully charged.
  —Charging stops when you try to operate the recorder during charging.

Notes on dry battery

Incorrect battery usage may lead to leakage of battery fluid or bursting batteries. To prevent such accidents, observe the following precautions:
• Insert the + and – poles of the battery correctly.
• Do not try to recharge the battery.
• When the recorder is not be used for a long time, be sure to remove the battery.
• If a battery leak should develop, carefully and thoroughly wipe away battery fluid from the battery compartment before inserting new ones.

▶ *MD recording*

Recording an MD right away! (Synchro-recording)

See the illustrations in English text (pages 16 and 17).

This section explains the basic procedure for making digital recordings using an optical cable connected to a CD player, BS tuner or other digital equipment. The recorder starts and stops recording in sync with the source sound. Track marks are added whenever they appear in the sound source. It is recommended to use the AC power adaptor when recording.
To record from a cassette deck, radio, etc.
→"Recording in analog (Analog Recording)" (page 8)
To record using a group mode → "Recording tracks using the group function (Group Mode Recording)" (page 9)

1 Insert an MD.
  ① Press OPEN to open the lid.
  ② Insert an MD with the label side facing front, and press the lid to close.

  Insert an recordable MD when recording.

2 Make connections. (Insert the cables firmly and completely into the appropriate jacks.)
  ① Connect the LINE IN (OPT) jack of recorder to the digital (optical) out jacks of the source with a optical cable.
  The recorder switches to digital input automatically.
  ② Connect the DC IN 3V jack of the recorder to a wall outlet with the AC power adaptor.

  When the recorder has different sound sources connected at the same time, the recorder switches to the digital, microphone, or analog input in this order of priority.

3 Record an MD.
  ① While the recorder is stopped, press the jog dial.
  ② Turn the jog dial until "SYNC REC" flashes in the display, and then press to enter.
  ③ Turn the jog dial until "SYNC ON" flashes in the display, and then press to enter.
  To cancel synchro-recording, select "SYNC OFF" in this step.
  ④ Press and slide REC to the right. "REC" and REC lamp on the REC switch light up and recording starts.
  ⑤ Play the source you want to record.

To stop recording, press ■.
After you press ■ to stop, the recorder will automatically turn off in about 10 seconds (when using batteries) or about 3 minutes (when using AC power adaptor).

Note
If you record on a previously recorded disc, the recorder is factory set to overwrite the entire contents of the disc. If you want the recording to start after the existing contents, do the procedure "Recording without overwriting existing material" (page 10) before step 3, "Record an MD." (this page).

To	Do this
Record from the end of the current contents[1]	If "REC-Posi" is set to "From Here", press END SEARCH, and then press and slide REC to the right. If "REC-Posi" is set to "From End", press and slide REC to the right.
Record over partway through the previous recording	Press ▶, ▶▶I, or I◀◀ to find the start point of recording and press ■ to stop. Then press and slide REC to the right.
Pause	Press II.[2] Press II again to resume recording.
Remove the MD	Press ■, then press OPEN to open the lid.[3]

[1] If "REC-Posi" is set to "From End", recording operations will always start from the end of the previously recorded material without pressing END SEARCH.

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2) A new track mark is added at the point when you press ▮▮ again to resume recording while pausing; thus the remainder of the track will be counted as a new track.

3) If you open the lid while "REC-Posi" is set to "From End", recording will begin from the top of the disc the next time you record. Check the point to start recording on the display.

If the recording does not start
- Make sure the recorder is not locked.
- Make sure the MD is not record-protected.
- Premastered MDs cannot be recorded over.

About the DSP TYPE-R for ATRAC
"TYPE-R" is a high-level Sony specification used in the Digital Signal Processor (DSP), which is the heart of the MiniDisc sound. This technology gives the MiniDisc recorder twice the signal processing capability as previous MiniDisc Walkman models. MDs recorded with this specification, "TYPE-R", produce near-MiniDisc deck-quality sound on MD players that support the specification. Even on MD players that do not support the specification, it produces higher quality sound than MDs recorded on ordinary MD players. This function works only when recording or playing in normal stereo. "TYPE-R" does not work when the recorder is in MDLP mode.

Notes
- The pause function cannot be turned on or off manually during synchro-recording. Press ■ to stop recording.
- Do not switch the "SYNC REC" setting while recording. Recording may not be done properly.
- Even when there is no recorded sound on the sound source, there may be cases when recording does not pause automatically during synchro-recording due to the noise level emitted from the sound source.
- If a silent portion is encountered for approximately 2 seconds during synchro-recording from a sound source other than a CD or an MD, a new track mark is automatically added at the point where the silent portion ends.
- Synchro-recording cannot be done if the connecting cord is not an optical cable, or if the cable is connected to the MIC (PLUG IN POWER) jack.
- You cannot change the recording mode during recording.

- "Data Save" or "TOC Edit" flashes while data of the recording (the track's start and end points, etc.) is being recorded. Do not move or jog the recorder or disconnect the power source while the indication is flashing in the display.
- The lid does not open until "TOC Edit" disappears in the display.
- If the power supply is disrupted (i.e. the battery is removed or becomes exhausted or the AC power adaptor is disconnected) during a recording or editing operation, or while "TOC Edit" appears in the display, then it will not be possible to open the lid until power is restored.
- You can make a digital recording only from an optical type output.
- When recording from a portable CD player, set the CD player to pause, and then do the recording procedure on the recorder.
- Note the following when recording from a portable CD player:
  —Some portable CD players may not be capable of digital out unless powered by the AC power. If this is the case, connect the AC power adaptor to the portable CD player and use it on AC power as the power source.
  —On some portable CD players, optical output may not be possible when using an anti-skip function (e.g., ESP* or G-PROTECTION). If this is the case, turn off the anti-skip function.

  ∗ Electronic Shock Protection

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► *MD playing*

Playing an MD right away!

See the illustration in English text (page 21).

If you want to use the rechargeable battery, be sure to recharge them before playing (page 4).

1 Insert an MD.
  ① Press OPEN to open the lid.
  ② Insert an MD with the label side facing front, and press the lid to close.

2 Start playing.
  ① Press ► on the recorder. Turn the control towards ►►►I on the remote control.
    A short beep sounds in the headphones/earphones.
  ② Press VOLUME +/– on the recorder to adjust the volume. Pull and turn the control towards VOL + or towards VOL – on the remote control.

To stop play, press ■.

After you press ■ to stop, the recorder will automatically turn off in about 10 seconds (when using batteries) or about 3 minutes (when using AC power adaptor).

Playback starts from the point you last stopped playing. To start playback from the beginning of the disc, press ► for 2 seconds or more on the recorder, or turn and hold the control towards ►►►I for 2 seconds or more on the remote control.

To	Do this
Select the track directly viewing the track number or name.	Turn the jog dial and press to enter.
Find the beginning of the current track[1]	Press I◄◄ . Turn the control towards I◄◄ on the remote control.
Find the beginning of the next track[2]	Press ►►I. Turn the control towards ►►►I on the remote control.

To	Do this
Go backwards while playing	Keep pressing I◄◄ . Turn and hold the control towards I◄◄ on the remote control.
Go forward while playing	Keep pressing ►►I. Turn and hold the control towards ►►►I on the remote control.
Pause	Press II. Press II on the remote control. Press II again to resume play.
Remove the MD	Press ■. Press ■ on the remote control. Then press OPEN to open the lid.[3]

[1] If you press I◄◄ twice continuously while playing the first track of the disc, the recorder goes to the beginning of teh last track on the disc.
[2] If you press ►►I during the last track of the disc, the recorder goes to the beginning of the first track on the disc.
[3] Once you open the lid, the point to start play will change to the beginning of the first track (except when the disc information has been stored in the Personal Disc Memory).

If the playback does not start
Make sure the recorder is not locked. If it is locked, slide the HOLD switch in the opposite direction of the arrow.

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 recorder to be used while jogging.

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

When using the headphones/earphones connect them directly to the recorder
  1 Press the jog dial, turn the dial until "AUDIO OUT" flashes in the display, and then press the dial again.
  2 Turn the jog dial until "HeadPhone" appears in the display.
  3 Press the jog dial again.

► *Various ways of recording*

Connecting digital (optical) and analog (line) inputs

The recorder selects digital or analog input according to how the sound source is hooked up.

Difference \ Input	Digital (optical) input	Analog (line) input
Connectable source	Equipment with an digital (optical) output jack	Equipment with an analog (line) output jack
Usable cord	Optical cable (with an optical or an optical-mini plug)	Line cable (with 2 phono plugs or a stereo-mini plug)
Signal from the source	Digital	Analog Even when a digital source (such as a CD) is connected, the signal sent to the recorder is analog.
Track marks[1]	Marked (copied) automatically • at the same positions as the source.[2] • after more than 2 seconds of blank or low level segment.[3] • when recording is paused while synchro-recording.[4]	Marked • after more than 2 seconds of blank or low level segment. • while the recorder is paused while recording. • automatically at specified intervals when the Auto time stamp is on. You can erase unnecessary marks after recording.
Recorded sound level	Same as the source. You can also adjust it manually. (Digital REC level control)	Adjusted automatically. You can also adjust it manually.

[1] You can erase unnecessary marks after recording ("Erasing a track mark" (page 27)).
[2] When the sound source is a CD or an MD
[3] With a sound source other than a CD or an MD.
[4] The recorder pauses automatically when it encounters a section with no audio signal for 3 seconds or more.

Notes
Track mark may be copied incorrectly:
• when you record from some CD players or multi disc players using digital (optical) input.
• when the source is in shuffle or program play mode while recording using digital (optical) input. In this case, play the source in normal play mode.
• when recording programs with audio that is digitally broadcast (e.g., digital TV) are recorded through the digital (optical) input.

Recording in analog (Analog Recording)

See the illustration in English text (page 24).

The sound will be sent from the connected equipment as analog signal but will be recorded digitally on the disc.

1 Connect the LINE IN (OPT) jack of the recorder to the line output jack of the source with an line cable (not supplied). The recorder switches to analog input automatically.

2 Connect the power source.
To use on AC power, see "Recording an MD right away!".

3 Press and slide REC to the right.
"REC" and the REC lamp lights up and recording starts.

4 Play the sound source.

Note
If you temporarily stop a recording operation by pressing ❚❚, a new track mark will be added at that point when you press ❚❚ again to resume recording. The recording resumes on a new track.

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Long-time recording (MDLP)

See the illustration in English text (page 25).

Select each recording mode according to the recording time that you want.
Stereo recording is possible at 2 times (LP2) or 4 times (LP4) the normal recording time (MDLP mode). MDs recorded in monaural or MDLP mode can be played back only on MD components with monaural or MDLP mode.

1 Press the jog dial.

2 Turn the jog dial until "REC MODE" flashes in the display, and then press to enter.

3 Turn the jog dial to select the desired recording mode.

 The recording mode can be selected from "(none)" (standard stereo mode), "LP2" (2 × normal recording mode), "LP4" (4 × normal recording mode), and "MONO" (monaural).

4 Press and slide REC to the right.
 Recording starts.

5 Start the sound source.

When you do not want "LP:" added at the beginning of the track

When recording in MDLP mode, this recorder adds "LP:" at the front of every track name automatically. "LP:" appears when you try to play or edit these tracks on a recorder or player that does not support MDLP mode (but not on a recorder or player that supports MDLP mode). If you change the recorder setting so that "LP:" is not added, you'll be able to enter longer track names by using the entire text string.

1 While the recorder is stopped, press the jog dial.

2 Turn the jog dial until "OPTION" flashes in the display, and then press to enter.

3 Turn the jog dial until "LP Stamp" flashes in the display, and then press to enter.

4 Turn the jog dial until "Stamp OFF" flashes in the display, and then press to enter.

If you want "LP:" added, select "Stamp ON" in this step, and then press the jog dial.

Notes
- It is recommended that you use the AC power adaptor for MDLP recordings.
- During monaural recording of a stereo sound source connected through the digital (optical) input jack, you can still monitor the recorded sound in stereo by using headphones/ earphones connected the ⌒/LINE OUT jack.
- When you record in LP4 stereo mode, momentary noise may be produced on very rare occasions with certain sound sources. This is because of the special digital audio compression technology that enables a recording time 4 times longer than normal. If noise is produced, it is recommended that you record in normal stereo or LP2 stereo mode to obtain better sound quality.

Recording tracks using the group function (Group Mode Recording)

See the illustrations in English text (pages 26 and 27).

What is the group function (group mode)?

It is a function that allows you to separate tracks on a disc into different groups for playback, recording and editing.
It is convenient for managing multiple CD albums recorded in MDLP (LP2 stereo/LP4 stereo) mode onto a single MD. You can create a maximum of 99 groups on a disc.

How is group information recorded?

When recording in group mode, the group information is written to the disc name recording area automatically.
Therefore, the character string written in the disc name recording area is displayed in its entirety as the disc name if you load an MD recorded in group mode into a system that does not support group mode, or if you try to edit the contents of a disc on this recorder with the group mode turned off.

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You can change the character string by performing the procedure of "Relabeling recordings" in "Labeling/relabeling recordings" (page 18). However, if you rewrite this character string by mistake, you may be unable to use the group function of that MD.

Notes
- The group function setting is stored even if you eject the MD or turn off the recorder.
- In group mode, the recorder treats all tracks without group settings as belonging to the last group on the disc. The last group is indicated in the display window on the recorder as "Group – –". Within a group, the tracks appear in their order on the disc, not their order within the group.
- Note that a group setting cannot be made if the total character count for the tracks, groups and disc name on the disc exceed the maximum number that can be input.

To activate the group mode

To record tracks in group mode, you must first turn the group mode on before the start of recording.

On the recorder

1 Press GROUP for 2 seconds or more.
"G" and "GROUP ON" light up in the display and the group mode turns on.
To cancel the group mode, press GROUP for 2 seconds or more.

On the remote control

1 Press DISPLAY for 2 seconds or more.
2 Turn the control repeatedly until "GROUP" flashes in the display, and then press ■ to enter.
3 Turn the control repeatedly until "GROUP ON" flashes in the display, and then press ■ to enter.
"G" lights up in the display and the group mode turns on.
To cancel the group mode, select "GROUP OFF" in step 2.

Recording a track into a new group

- Turn the group mode on.

**1** Press END SEARCH.
2 Press and slide REC to the right.

3 Play the source sound.

To stop recording, press ■.
The material that was recorded up until ■ was pressed is entered as a new group.

Recording a track into an existing group

- Insert a disc with group settings.
- Turn the group mode on.

1 Press GROUP slightly.
"⊟" flashes and you can select a group directly (group skip mode).
2 Within 5 seconds, press ◄◄ or ►►I repeatedly until the group you want the track to belong to appears.
3 Press and slide REC to the right.
4 Play the source sound.
Newly recorded track is added after the current contents.

Notes
- Even if "REC-Posi" is set to "From Here", newly recorded tracks are inserted after the existing tracks in the specified group without recording over the current contents.
- Group skip mode turns off automatically in step 2 if nothing is done within 5 seconds. To continue the procedure, do step 1 again.

Recording without overwriting existing material

See the illustration in English text (page 28).

If you wish to avoid overwriting the current contents of an MD, do the following procedure. All new material will then be recorded from the end of the current contents.

1 While the recorder is stopped, press the jog dial.
2 Turn the jog dial until "OPTION" flashes in the display, and then press to enter.
3 Turn the jog dial repeatedly until "REC-Posi" flashes in the display, and then press to enter.

4 Turn the jog dial repeatedly until "From End" flashes in the display, and then press to enter.

To start recording from the current point
Select "From Here" in step 4.

Notes
- The setting will remain even after the power is turned off.
- If you start recording while the recorder is in play-paused, the recording will begin from the point at which it is paused even when the "REC-Posi" is set to "From End".

Recording from a microphone

See the illustration in English text (page 29).

1 Connect a stereo microphone (ECM-717, ECM-MS907, ECM-MS957, etc., not supplied) to the MIC (PLUG IN POWER) jack.

2 Press and slide REC to the right.

To select microphone sensitivity

1 Press the jog dial while the recorder is stopped.

2 Turn the dial repeatedly until "MIC SENS" flashes in the display, and then press to enter.

3 Turn the jog dial repeatedly to select "SENS HIGH" (when recording a soft sound or a sound in the distance) or "SENS LOW"(when recording a loud sound or a sound at close range), and then press to enter.

Notes
- The recorder automatically switches input in the following order; optical input, microphone input, and analog input. You cannot record through the microphone while an optical cable is connected to the LINE IN (OPT) jack.
- The microphone may pick up the operating sound of the recorder itself. Use the microphone away from the recorder in such cases. Please note that the sound of recorder operations may be picked up if the microphone that you use has a short connector.

- Only the left-channel sound is recorded when a monaural microphone is used.

Adding track marks automatically at specified intervals (Auto Time Stamp)

See the illustration in English text (page 30).

Use this feature to add track marks automatically at specified intervals when recording through the analog input connector or a microphone.

1 While the recorder is recording or in recording pause, press the jog dial.

2 Turn the jog dial repeatedly until "TIME MARK" flashes in the display, and then press to enter.

3 Turn the jog dial repeatedly until the desired time interval flashes in the display, and then press to enter.
Select one of the following intervals:
"OFF"
"5 min. ON" (track marks are added in every 5 minutes.)
"10 min. ON" (track marks are added in every 10 minutes)
"15 min. ON" (track marks are added in every 15 minutes)
To cancel the setting, select "OFF" in this step.

Notes
- Automatic track marking by Auto Time Stamp starts when you add a normal track mark to the disc (i.e., by pressing T MARK or ∎∎, etc.).
- The setting will be lost when the recording stopped.

Adjusting the recording level manually (Manual Recording)

See the illustrations in English text (page 31).

When you record, the sound level is adjusted automatically. If necessary, you can set the level manually during both analog and digital recording.

1 While holding down **II**, press and slide REC to the right.

The recorder stands by for recording.

2 Press the jog dial.

3 Turn the jog dial until "RecVolume" flashes in the display, and then press to enter.

4 Turn the jog dial until "ManualREC" flashes in the display, and then press to enter.

To switch back to the automatic level adjustment, select "Auto REC" in this step.

5 Play the program source.

6 While observing the level meter in the display, adjust the recording level by turning the dial.

Set the level so that the meter segments light up between **Ⓐ** (the fifth segment) and **Ⓑ** (the ninth segment). If the level meter lights up to the right of **Ⓑ**, reduce the input level.

The upper level meter shows the L channel input level and the middle meter shows the R channel input level.

If your source is an externally connected component, be sure to cue the source to the beginning of the material to be recorded before you start playback.

7 Press **II** again to start recording.

Notes

• If you press ■ during recording operation, the recorder will revert to automatic recording level adjustment mode the next time you start a recording operation.

• "RecVolume" cannot be selected in step 3 during synchro-recording. To set the recording level manually during synchro-recording, do the procedure below.

  1 Do 1 and 2 of "Record an MD." (step 3 of "Recording an MD right away! (Synchro-recording)" (page 5)) and select "SYNC OFF" in 3.

  2 Do steps 1 to 6 of manual recording procedure. Then do the procedure of "Record an MD." (step 3 of "Recording an MD right away! (Synchro-recording)" (page 5)) again.

  Recording starts automatically whenever the source sound is played.

Setting the clock to stamp the recorded time

See the illustrations in English text (pages 33 and 34).

To stamp the date and time on the MD when you record, you first need to set the clock.

1 Press the jog dial while the recorder is stopped.

2 Turn the jog dial until "OPTION" flashes in the display, and then press to enter.

3 Turn the jog dial until "CLOCK SET" flashes in the display, and then press to enter.

The digits of the year flash.

4 Change the current year by turning the jog dial and press to enter.

The digit of the month flashes.

5 Repeat steps 4 to enter the current month, date, hour, and minute.

When you press the jog dial to enter the minute, the clock starts operating.

If you make a mistake while setting the clock

Press ◄◄ to go back wrongly entered item, and then enter the correct value. You can skip a step by pressing ►►I.

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To display the current time

On the recorder
1 When the recorder is not operating or while recording, press the jog dial.
2 Turn the dial until "DISPLAY" appears in the display, and then press to enter.
3 Turn the jog dial until "Clock" flashes in the display, and then press to enter. The current time appears in the display.

On the remote control
1 Press DISPLAY repeatedly until current time appears in the display.

To display the time in the 24-hour system
Press T MARK while setting the clock. To change the clock to the 12-hour system, press T MARK again.

To maintain the correct time
Once you set the clock, it will keep correct time as long as the recorder is connected to a power source, such as the rechargeable battery, alkaline dry battery, or AC power adaptor. However, if no power source is connected, the clock setting will change back to the factory setting after about 3 minutes.
When changing the rechargeable battery or alkaline dry battery, make sure to do it within 3 minutes.

Notes
- Make sure the time is correctly set if you want the time stamp to be accurately recorded for an important recording.
- Under normal conditions, the clock may vary by about plus or minus 2 minutes per month.

▶ *Various ways of playback*

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

See the illustrations in English text (page 35).

You can do two kinds of quick search.
- Index search — Searching quickly while monitoring the track numbers or track names.
- Time search — Searching quickly while monitoring the elapsed time.

Selecting the search mode
The search mode can be selected only on the remote control while the recorder is stopped, playing, or play-paused. The recorder is factory set to "Index".

1 Press DISPLAY for 2 seconds or more.
2 Turn the control repeatedly until "SEARCH" flashes in the display, and then press ■ to enter.
3 Turn the control repeatedly until "Index"(index search) or "Time"(time search) flashes in the display, and then press ■ to enter.

Searching for a specific track while monitoring track numbers or track names (Index Search)
To do an index search, set the search mode to "Index" in advance (page 13).

On the recorder
1 Turn the jog dial until the desired track appears in the display, and then press the dial.
The selected track name appears in the display and the recorder starts playing by pressing the jog dial.
If the track has no name, the track number appears in the display.

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On the remote control

1 Press **Ⅱ** while playing a disc.

2 Turn and hold the control until the desired track number or track name appears in the display.

3 Press **Ⅱ** to cancel the pause.
Playback starts from the selected track.

Searching for a specific point while monitoring the elapsed time (Time Search)

To do a time search, set the search mode to "Time" in advance (page 13).

On the recorder

1 Press **Ⅱ** while playing a disc.

2 Keep pressing **Ⅰ◀◀** or **▶▶Ⅰ** until the desired point appears in the display.

3 Press **Ⅱ** to cancel the pause.
Playback starts from the selected point.

On the remote control

1 Press **Ⅱ** while playing a disc.

2 Turn and hold the control until the desired point appears in the display.

3 Press **Ⅱ** to cancel the pause.
Playback starts from the selected point.

Using the group function (Group Mode)

See the illustrations in English text (pages 36 to 37).

The recorder can operate various playback with a disc which has group setting.

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

• Insert a disc with group settings.

On the recorder

1 Start playback.

2 Press GROUP for 2 seconds or more to turn the group mode on.
Playback stops at the end of the last track in the selected group.
For details on selecting another group, see "Selecting and playing groups (Group Skip Mode)" (page 14).

On the remote control

1 Start playback.

2 Press DISPLAY for 2 seconds or more.

3 Turn the control repeatedly until "GROUP" flashes in the display, and then press ■ to enter.

4 Turn the control repeatedly until "GROUP ON" flashes in the display, and then press ■ to turn the group mode on.

To turn off the group function
• **On the recorder**
  Press GROUP for 2 seconds or more again.
• **On the remote control**
  Select "GROUP OFF" in step 4.

Note
In group mode, the recorder treats all tracks without group settings as belonging to the last group on the disc. The last group is indicated in the display window on the recorder as "Group – –." Within a group, the tracks appear in their order on the disc, not their order within the group.

Selecting and playing groups (Group Skip Mode)

Operations are possible regardless of whether group mode is on or off. However, playback on the recorder will differ, depending on whether group mode is on or off.
• **When group mode is on:**
  Playback starts from the first track of the selected group and ends with the last track in the group.
• **When group mode is off:**
  Playback starts from the first track of the selected group and ends with the last track on the disc.
• The following procedure is used when group mode is on.
• Insert a disc with group settings.

On the recorder

1 Press GROUP slightly while playing.
"⌂" flashes in the display and the group become selectable.

2 Within 5 seconds, turn the jog dial to select your desired group, and then press to enter.
The recorder starts playing from the first track in the group.

On the remote control

1 While the recorder is playing, press and hold PLAYMODE until "– – –" flashes in the display.
The group skip mode turns on.

2 Within 5 seconds, turn the control repeatedly to select your desired group.

Note
If no operation is performed within 5 seconds after step 1, the group skip mode will be canceled and you will not be able to perform step 2 thereafter. To continue with step 1 at this point, repeat from the beginning of the procedure.

Changing a play mode

See the illustrations in English text (pages 38 to 40).

Settings can be stored to the Personal Disc Memory.

Selecting a play mode

On the recorder

1 While the recorder is playing, press the jog dial.

2 Turn the jog dial until "PLAY MODE" flashes in the display, and then press to enter.

3 Turn the jog dial to select the play mode, and then press to enter.

play mode/indication

"**Normal**"/"(none)" (All the tracks are played once)
↓
"**AllRepeat**"/"⊂ " (All the tracks are played repeatedly)
↓
"**1 Track**"/"1" (A single track is played)
↓
"**1 Repeat**"/"⊂ 1" (A single track is played repeatedly)
↓
"**Shuffle**"/"SHUF" (After currently selected track finishes playing, the remaining tracks are played in random order)
↓
"**Shuf. Rep**"/"⊂ SHUF" (After currently selected track finishes playing, the remaining tracks are played repeatedly in random order)
↓
"**PGM**"/"PGM" (Tracks are played in the order that you specified)
↓
"**PGMRepeat**"/"⊂ PGM" (tracks are played repeatedly in the order that you specified).

On the remote control

1 Press PLAYMODE during playback.
Each time you press this button, the play mode changes as follows.

"(none)" (All the tracks are played once)
↓
"***1***" (A single track is played)
↓
"***SHUF***"(After currently selected track finishes playing, the remaining tracks are played in random order)
↓
"***PGM*** " (Tracks are played in the order that you specified).

2 If you want to repeat playback in the selected play mode, press RPT/ENT. " ⤺ " appears in the display.

Creating a Program (Program Play)

You can set the program with up to 20 tracks.

On the recorder

1 Press the jog dial while "PGM" flashes in the display at step 2 of "Selecting a play mode".

2 Turn the jog dial to select a track, and then press to enter a track number.

3 Repeat step 2 to program more tracks.

4 Press the jog dial for 2 seconds or more.

On the remote control

1 While the recorder is playing, press PLAYMODE repeatedly until "PGM" flashes in the display.

2 Turn the control repeatedly to select a track, and then press RPT/ENT to enter a track number.

3 Repeat step 2 to program more tracks.

4 Press RPT/ENT for 2 seconds or more.

Notes
- All program settings are lost when the lid of the recorder is opened.
- If you turn group mode on or off during the setting of a program, program setting mode will be canceled, but the program contents up to that point will remain.
- You cannot turn group mode on or off while programming tracks.
- If you turn group mode on during program play, the program play is canceled.

Adjusting treble and bass (Digital Sound Preset)

See the illustrations in English text (pages 40 and 42).

You can adjust the treble and bass to suit your taste. The recorder can store two sets of treble-bass adjustments, which can then be selected later during playback.
The sound can be adjusted in 8 steps (–4, –3, ...±0, ...+2, +3). Settings can be stored to the Personal Disc Memory.

Selecting the sound quality

Factory settings of the Digital Sound Preset are as follows:
- "SOUND1" : bass +1, treble ±0
- "SOUND2": bass +3, treble ±0

On the recorder

1 Press the jog dial.

2 Turn the jog dial until "SOUND" flashes in the display, and then press to enter.

3 Turn the jog dial until "SOUND 1" or "SOUND 2" flashes in the display, and then press to enter.

On the remote control

1 Press SOUND on the remote control repeatedly to select "SOUND 1" or "SOUND 2".

Adjusting the sound quality

On the recorder

1 Press the jog dial.

2 Turn the jog dial until "SOUND" flashes in the display, and then press to enter.

3 Turn the jog dial until "SOUND 1" or "SOUND 2" flashes in the display.
The display shows the currently selected T (treble) and B (bass) settings.

4 Select "T" or "B" pressing ■ or ‖.
You can change the adjust of the item in which the cursor is flashing.

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5 Turn the jog dial to adjust the sound level.
To move the cursor between "T" to "B":
Press ■ or ❚❚.
To switch between "SOUND 1" to "SOUND 2":
Press ❚❚ repeatedly to move the cursor to the top row, and then turn the jog dial.

6 Press the jog dial to enter.
The sound settings are saved and the playback display appears again.

On the remote control

1 Press SOUND on the remote control repeatedly to select "SOUND 1" or "SOUND 2".

2 During playback, press SOUND for 2 seconds or more.
The recorder changes to B-setting mode. Pressing the SOUND button for 2 seconds again changes the recorder back to T-setting mode.

3 Turn the control repeatedly to adjust the bass or treble.
To switch "B" and "T":
Press SOUND for 2 seconds or more.
To switch "SOUND 1" and "SOUND 2":
Press SOUND for a short time.

4 Press ■ to enter.

To cancel the Digital Sound Preset
• **On the recorder**
Select "SOUND OFF" in step 3.
• **On the remote control**
Press SOUND repeatedly until nothing appears in the display.

Notes
• Digital Sound Preset becomes inoperative when the "AUDIO OUT" parameter for the ⌒/LINE OUT jack is set to "LINE OUT". In this case, set the "AUDIO OUT" to "HeadPhone" (page 7).
• When you use the Digital Sound Preset, the sound may break or become distorted depending on the settings or the track. In this case, change the settings of the sound quality.

• Changing to another Digital Sound Preset during a recording operation will not affect the quality of recorded sound.

To change playback speed (Speed Control)

See the illustrations in English text (pages 42 and 44).

The playback speed can be adjusted in 7 steps (80%, 85%, ...100%, 105%, 110%).
Setting can be stored to the Personal Disc Memory.

1 Press DISPLAY for 2 seconds or more during playback.

2 Turn the control repeatedly until "SPEED" flashes in the display, and then press ■ to enter.
The recorder changes to speed-setting mode.

3 Turn the control repeatedly to select the playback speed.
"+" shows the normal speed and the cursor shows the playback speed you are selecting.

4 Press ■ to set the playback speed.
"S" appears in the display when the speed is changed.

Notes
• The playback sound will be affected by the playback speed.
• All settings will be lost when you remove the disc from the recorder (except when the settings of the disc has been stored to the Personal Disc Memory).

Connecting to a stereo system (LINE OUT)

See the illustration in English text 45.

Connect the ∩/LINE OUT jack of the recorder to the LINE IN jacks of an amplifier or a tape recorder with a line cable (RK-G129 or RK-G136, not supplied).
The output is analog. The recorder plays the MD digitally and sends analog signals to the connected equipment.

When connecting a line cable to the ∩/LINE OUT jack

When connecting a line cable (not supplied), be sure to set the "AUDIO OUT" parameter for the ∩/LINE OUT jack.

1 Press the jog dial.

2 Turn the dial until "AUDIO OUT" flashes in the display, and then press to enter.

3 Turn the dial until "LINE OUT" flashes in the display, and then press to enter.

Notes

• If the "AUDIO OUT" parameter for the ∩/LINE OUT jack is set to "LINE OUT", VOLUME +/– or Digital Sound Preset will not function.
• The "AUDIO OUT" parameter for the ∩/LINE OUT jack cannot be set to "LINE OUT" when the supplied remote control is connected.
• When you connect the headphones/earphones directly to the recorder, set the "AUDIO OUT" parameter for the ∩/LINE OUT jack to "HeadPhone".

▶ Editing recorded tracks

You can edit your recordings by adding/erasing track marks or labeling tracks and discs. Premastered MDs cannot be edited.

Notes on editing

• You cannot edit tracks on an MD that is record -protected. Before editing tracks, close the tab on the side of the MD.
• If you perform an editing operation while playing, editing results will not be recorded until you stop the recorder and "TOC Edit" disappears in the display.
• Do not move or jog the recorder while "TOC Edit"* is flashing in the display.
• The lid does not open until "TOC Edit" disappears in the display after editing.
• When the group mode is on, editing can be performed only for the tracks registered into the selected group.

∗ TOC = Table of Contents

Labeling/relabeling recordings

See the illustrations in English text (pages 46 to 49).

You can name tracks, groups and discs using the recorder's character palette.

Available characters

• Capital and small letters of the English alphabet.
• Numbers 0 to 9
• ! " # $ % & ( ) * . ; < = > ? @ _ ` + – ' , / : _(space)

Numbers of characters you can input

Track, group, or disc name: Approx. 200 each (all available characters are mixed).

Numbers of characters you can input in a disc

Alphanumeric characters/symbols only
Approx. 120 titles of about 10 characters each (a maximum of about 1,700 letters)

The number of titles that can be stored on a disc depends on the number of characters that are input for track names, group names, and disc name.

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About the character palette

During operations on the recorder, characters can be selected from the character palette in the display.

Since only a part of the character palette is visible on the display, use the 5-way control key to move the cursor and enter characters.

For configuration of the character palette, see page 46 in English text.

Notes

- "NAME FULL" appears when you try to enter more than 1,700 characters on a disc. Enter a shorter name for the track, group, or disc, or set the "LP Stamp" setting to "Stamp OFF" so that "LP:" is not be added at the beginning of the track name.
- When labeling a disc which has been recorded using the group function, make sure group mode is on in order to prevent the group management information from being overwritten by mistake.
- If you enter the symbol "//" between the characters in disc names such as "abc// def," you may be unable to use the group function.

Labeling recordings

On the recorder

1 Insert a disc and do the followings.

To label a track:

Start playing or recording the track you want to label, and then label the track while the recorder is playing or recording.

To label a group:

Turn the group mode on (page 14) and start playing or recording the track within the group you want to label, and then label the group while the recorder is playing or recording.

To label a disc:

Label a disc while the recorder is stopped or recording.

If you label a disc with group settings, turn the group mode on (page 14).

2 While the recorder is stopped, press the jog dial.

3 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

4 Turn the dial until the following item appears in the display, and then press to enter.

When labeling a track:
"♫ : Name"
When labeling a group:
"⌂ : Name"
When labeling a disc:
"◁▷ : Name"

The cursor flashes in the letter input area and the track, group, or disc is ready to be labeled.

5 Press ■.

The cursor shifts from the letter input area to the character palette.

6 Select a letter with the 5-way control key and press ▶ to enter.

The selected letter appears in the letter input area and the cursor moves to the next input position.

The buttons used for character input and their functions are listed below.

Functions[1]	Operations
To move the cursor in the character palette.	5-way control key. Turn the jog dial (move the cursor upward or downward)[2].
To select a character in the letter input area.	Turn the jog dial.
To enter a letter.	Press ▶. Press the jog dial.
To move the cursor from the letter input area to the character palette.	Press ■.
To move the cursor from the character palette to the letter input area.	Press CANCEL.
To enter a name.	Press ▶ or the jog dial for 2 second or more.
To insert a blank space before the cursor in the letter input area.	Press VOLUME +.
To delete a letter in the letter input area.	Press VOLUME –.

Functions[1]	Operations
To display ":", "–" and "/" repeatedly at the input position in the letter input area.	Press T MARK.
To cancel labeling in the letter input area.	Press CANCEL.

[1] Functions of the buttons and control may differ depending on where the cursor is in the letter input area or the character palette.

[2] If phrases are stored in the name bank, the first phrase stored appears in the display (page 21).

7 Repeat step 6, and then enter all characters of the label name.

8 Press down the jog dial for 2 seconds or more.

The disc is labeled.

On the remote control

1 Insert a disc.

See step 1 of "On the recorder" to check the varieties of name you can label (page 19).

2 Press DISPLAY for 2 seconds or more.

3 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■ to enter.

4 Turn the control repeatedly until the following item appears in the display, and then press ■ to enter.

When labeling a track:
" 🎵: Name"

When labeling a group:
"GP : Name"

When labeling a disc:
" ⬯ : Name"

5 Turn the control repeatedly to select a letter and press ■ to enter.

The selected letter stops flashing and the cursor moves to the next input position.

Functions	Operation
To switch between katakana, capital letters, small letters, numbers/ symbols and phrases[1].	Press ❚❚
To move the cursor to the left or right.	Pull and turn the control (VOL +/–).

Functions	Operation
To change the letter to the one before/next one.	Turn the control (⏮ /▶ ⏭).
To insert a blank space to type in a new letter.	Press DISPLAY.
To cancel labeling.	Press DISPLAY for 2 seconds or more.
To delete a letter and move back all following letters to the left.	Press PLAYMODE.

[1] If phrases are stored in the name bank, the first phrase stored appears in the display (page 21).

6 Repeat step 5 and enter all characters of the label name.

7 Keep pressing ■ for 2 seconds or longer.

The track or disc is labeled.

To cancel labeling

Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Notes
• When the recording is stopped while labeling a track, a group, or a disc during recording, or when the playback moves on to the next track while labeling a track during playback, the input at that point is entered automatically.
• "LP:" has automatically been added at the beginning of the track names for tracks recorded in MDLP mode.
• You cannot label or relabel the premastered disc.

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Relabeling recordings

On the recorder

1 Insert a disc and do the following.
   To relabel a track:
   Start playing a track you want to relabel, and change a track name while the recorder is playing.
   To relabel a group:
   Turn the group mode on (page 14) and start playing or recording a track within the group you want to relabel, and change the group name while the recorder is playing or recording.
   To relabel a disc:
   Relabel the disc while the recorder is stopped or recording.
   If you relabel a disc with group settings, turn the group mode on (page 14).

2 Follow steps 2 to 4 of "Labeling recordings" (page 19) to display a track, group, or disc name.

3 Follow steps 5 to 8 of "Labeling recordings" (page 19), and then keep pressing the jog dial for 2 seconds or more.

On the remote control

1 Insert a disc and do the following.
   See step 1 of "On the recorder" to check the varieties of name you can relabel.

2 Follow steps 2 to 4 of "On the remote control" (page 20) in "Labeling recordings" to display a track, group, or disc name.

3 Follow steps 5 to 7 of "On the remote control" (page 20) in "Labeling recordings", and then keep pressing the ■ for 2 seconds or more.

To cancel labeling
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Notes
- Track and disc titles that were entered in English katakana characters will appear in Roman letters on minidisc players that do not support the display of katakana characters. Such titles will be marked with a "^" at the beginning and the end.
- You cannot relabel premastered MDs or label MDs that have not been recorded.
- The recorder cannot rewrite a track, group, or disc name of more than 200 letters that was created by another device.

Storing phrases frequently used in labeling (Name Bank Function)

See the illustrations in English text (page 50).

Phrases that you often use while labeling can be stored in the recorder's memory.
Approximately 25 phrases of about 10 characters each (with a total character count of about 400) can be stored in the phrase bank.
The actual number will depend on the length of each phrases.

Storing phrases while labeling a track or disc
You can store phrases in three ways.
- **Storing phrases while labeling a track, group, or disc:**
  You can store phrases while labeling a track, group, or disc by doing the procedure "Labeling recordings" (page 19).
- **Storing phrases from a previously labeled track, group, or disc:**
  You can store an existing track, group, or disc name as a phrase.
- **Inputting and storing phrases:**
  You can store frequently used phrases in advance, and then retrieve and use them when labeling a track, group, or disc.

Storing phrases while labeling a track or disc

On the recorder

1 Follow steps 1 to 7 of "Labeling recordings" (page 19) to enter a phrase.

2 After entering the phrase, press CANCEL to remove the cursor from the character palette to the letter input area.

3 Press END SEARCH for 2 seconds or more.

"Entry!" appears in the display and the cursor flashes after the phrase you just stored.

4 If you continue labeling operation, do steps 5 to 8 of "Labeling recordings" (page 19).

On the remote control

1 Follow steps 1 to 6 of "On the remote control" (page 20) in "Labeling recordings" to enter a phrase.

2 After entering the phrase, press ❚❚ for 2 seconds or more.

3 If you continue labeling operation, do steps 5 to 7 of "On the remote control" (page 20) in "Labeling recordings".

Storing phrases from a previously labeled track, group, or disc

On the recorder

1 Follow steps 1 and 2 of "Relabeling recordings" (page 21) and display the track, group, or disc name that contains the phrase that you want to store.

2 Press ⏮ /⏭ repeatedly to move the cursor to the right of the phrase.

3 Press END SEARCH for 2 seconds or more to store the phrase.

On the remote control

1 Follow steps 1 and 2 of "On the remote control" (page 21) in "Relabeling recordings" (page 21) and display the track, group, or disc name that contains the phrase that you want to store.

2 Pull and turn the control towards VOL + or VOL – to move the cursor to the right of the phrase.

3 Press ❚❚ for 2 seconds or more to store the phrase.

Entering and storing phrases

On the recorder

1 Press the jog dial.

2 Turn the dial until "EDIT" flashes in the display, and then press to enter.

3 Turn the jog dial until "Name Bank" flashes in the display, and then press to enter.

4 Follow steps 5 to 8 of "Labeling recordings" (page 19) to enter a phrase.

"Entry!" appears in the display and the phrase is stored.

On the remote control

1 Press DISPLAY for 2 seconds or more.

2 Turn the control repeatedly until "EDIT" flashes in the display, and press ■ to enter.

3 Turn the control repeatedly until "Name Bank" flashes in the display, and then press ■ to enter.

4 Do steps 5 to 7 of "On the remote control" (page 20) in "Labeling recordings" to enter a phrase.

Note
If you have entered and then stored a phrase, you cannot retrieve it by following the procedure of "Searching a phrase by displaying the stored phrase one by one". When you retrieve a stored phrase, follow the procedure of "Searching for a phrase by its first letter."

Using a retrieved phrase for labeling

There are two ways to retrieving phrases for labeling.

• **Searching for a phrase by displaying the stored phrase:**
You can retrieve a phrase by keyword, and then use the phrase in a new label.

• **Searching for a phrase by its first letter:**
You can retrieve a phrase by its first letter, and then use the phrase in a new label.

Searching for a phrase by displaying the stored phrase

On the recorder

1 Follow steps 1 to 4 of "Labeling recordings" (page 19).
A track, group or disc is ready to be labeled.

2 Press END SEARCH so that the phrase stored in the recorder's memory appears in the display.

3 Press ■ to move the cursor from the letter input area to the character palette.

4 Turn the jog dial until the desired phrase flashes in the display.
Turning the jog dial causes the phrases stored in the recorder's memory to appear one by one in sequential order.

5 Press the jog dial while the phrase you want flashes in the display.
The phrase is selected and lights up in the letter input area.

6 Press the jog dial for 2 seconds or more.
The phrase is retrieved.

7 If you continue labeling operation, do steps 5 to 8 of "Labeling recordings" (page 19).

On the remote control

1 Follow steps 1 to 4 of "On the remote control" (page 20) in "Labeling recordings".

2 Press ❙❙ repeatedly until the phrase stored in the recorder's memory appears in the display.

3 Turn the control repeatedly.
Turning the control causes the phrases stored in the recorder's memory to appear one by one.

4 Press ■ slightly while the phrase you want is shown in the display.

5 If you continue labeling operation, do steps 6 to 7 of "On the remote control" (page 20) in "Labeling recordings".

Searching for a phrase by its first letter

On the recorder

1 Follow steps 1 to 5 of "Labeling recordings" (page 19).
A track, group or disc is ready to be labeled.

2 Turn the jog dial until the letter which the desired phrase begins with.

3 END SEARCH to search so that the phrase corresponding to the letter appears.

4 Press ■ to move the cursor from the letter input area to the character palette.

5 Turn the jog dial until the desired phrase flashes in the display and then press the jog dial.
The phrase is selected and lights up in the letter input area.

6 Press the jog dial for 2 seconds or more.
The selected phrase is retrieved.

7 If you continue labeling operation, do steps 5 to 8 of "Labeling recordings" (page 19).

On the remote control

1 Follow steps 1 to 5 of "On the remote control" (page 20) in "Labeling recordings".

2 When labeling a track, group, or disc, turn the control repeatedly until the letter which the desired phrase begins with flashes in the display.

3 Press ❙❙ repeatedly to search so that the phrase corresponding to the letter appears.
When the letter appears, turn the control towards ▶▶❙ until the desired phrase appear one by one.

4 Press ■ while the phrase you want is shown in the display.

5 Press ■ for 2 seconds or more.

6 If you continue labeling operation, do steps 5 to 7 of "On the remote control" (page 20) in "Labeling recordings".

Erasing phrases

On the recorder

1 While the recorder is stopped, press the jog dial.

2 Turn the dial until "EDIT" appears, and then press to enter.

3 Turn the jog dial until "BankErase" appears, and then press to enter.

4 Turn the jog dial until the phrase you want to erase flashes in the display, and then press to enter.
"Erase!" appears and the phrase is erased.

On the remote control

1 While the recorder is stopped, press DISPLAY for 2 seconds or more.

2 Turn the control repeatedly until "EDIT" flashes in the display, and press ■ to enter.

3 Turn the control repeatedly until "BankErase" appears in the display, and then press ■ to enter.

4 Turn the control repeatedly until the phrase you want to erase appears, and then press ■ to enter.

To cancel the operation
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Registering tracks or groups as a new group (Group Setting)

See the illustrations in English text (page 54).

Do the following procedure to register tracks or groups as a new group. The tracks or groups must, however, be sequential. If the desired tracks or groups are not consecutive, you must move them to make them consecutive before you can register them ("Moving recorded tracks", page 25). The operation of this function depends on whether group mode is on or off.

- **When group mode is ON:**
  Several groups are registered as one group. A track without group setting can be registered to an existing group.
- **When group mode is OFF:**
  Several tracks are registered as one group.
The following section explains the operation when group mode is on.

On the recorder

1 Press GROUP for 2 seconds or more to turn the group mode on.

2 While the recorder is stopped, press the jog dial.

3 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

4 Turn the jog dial until "☐ : Set" flashes in the display, and then press to enter.

5 Turn the jog dial until the number or name of the desired first track flashes in the display, and then press to enter.
This selects the first track of the new group.
Even when the group mode is on, track numbers appear according to their order on the disc, not their order within the group.

6 Turn the jog dial until the number or name of the desired last track flashes in the display, and then press to enter.
This selects the last track of the new group.

7 Follow steps 4 to 8 of "Labeling recordings" (page 19) to label a group.

On the remote control

1 Follow the procedure of "To activate the group mode" (page 10) to turn the group mode on.

2 While the recorder is stopped, press DISPLAY for 2 seconds or more.

3 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■ to enter.

4 Turn the control repeatedly until "GP:Set" flashes in the display, and then press ■ to enter.

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5 Turn the control repeatedly until the number or name of the desired first track flashes in the display, and then press ■ to enter.

6 Turn the control repeatedly until the number or name of the desired last track flashes in the display, and then press ■ to enter.

7 Follow steps 5 to 7 of "On the remote control" (page 20) in "Labeling recordings" to label a group.

Notes
• In step 5, the first track must be either the first track of an existing group or a track that does not belong to a group.
• When selecting the last track in step 4, make sure the track comes after the one selected in step 5. The last track must be either the last track of an existing group or a track that does not belong to a group.

To release a group setting

See the illustrations in English text (page 55).

On the recorder

1 Press GROUP for 2 seconds or more to turn the group mode on.

2 Play a group that you want to release and check the contents ("Selecting and playing groups (Group Skip Mode)" (page 14)).

3 Press ■.

4 Press the jog dial.

5 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

6 Turn the jog dial until " ⌁ : Release" flashes in the display, and press to enter. "Release?" and "PushENTER" appear in the display.

7 Press the jog dial to enter. The group setting of the selected group is released.

On the remote control

1 Follow the procedure of "To activate the group mode" (page 10) to turn the group mode on.

2 Play a group that you want to release and check the contents (see "Selecting and playing groups (Group Skip Mode)" (page 14)).

3 Press ■.

4 Press DISPLAY for 2 seconds or more.

5 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■ to enter.

6 Turn the control repeatedly until "GPRelease" flashes in the display, and then press ■ to enter.

7 Press ■ to enter.

Moving recorded tracks

See the illustrations in English text (page 56).

You can change the order of the recorded tracks.

On the recorder

1 While playing the track you want to move, press the jog dial.

2 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

3 Turn the jog dial until " ♪ : Move" flashes in the display, and then press to enter.
The selected track number or name of the group that the selected track belongs flashes in the display. If the track has been labeled, press ▶▶ to make the track name appear in the display. Press ◀◀ to display the track number again.

4 Turn the jog dial until the destination track number flashes in the display.

5 Press the jog dial to enter.
The track moves to the selected destination track.

On the remote control

1 Press DISPLAY for 2 seconds or more.

2 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■ to enter.

3 Turn the control repeatedly until " ♬ : Move" flashes in the display, and then press ■ to enter.

4 Turn the control repeatedly to select the destination track number.

5 Press ■ to enter.

To cancel moving
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Note
If the disc has group settings, turn group mode on before moving a track. Moving a track with group mode off may affect the structure of the group.

Moving a track to a different group

See the illustration in English text (page 57).

On the recorder

1 Press GROUP for 2 seconds or more to turn the group mode on.

2 While playing the track you want to move, press the jog dial.

3 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

4 Turn the jog dial until " ♬ : Move" flashes in the display, and then press to enter.

5 Turn the jog dial until the destination group flashes in the display, and then press to enter.

The group number to which the currently playing track belongs flashes in the middle section of the display. If the group has been labeled, press ▶▶ to display the group name. Press ◀◀ to return to the group number display.

6 Turn the jog dial until the number of the destination track within the group flashes in the display, and then press to enter.

The selected track number or name of the group that the selected track belongs flashes in the display. If the track has been labeled, press ▶▶ to make the track name appear in the display. Press ◀◀ to display the track number again.

On the remote control

1 Follow the procedure of "To activate the group mode" (page 10) to turn the group mode on.

2 Press DISPLAY for 2 seconds or more while the track you want to move is playing.

3 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■.

4 Turn the control repeatedly until " ♬ : Move" flashes in the display, and then press ■ to enter.

5 Turn the control repeatedly until the destination group flashes in the display, and then press ■ to enter.

6 Turn the control repeatedly until the number of the destination track within the group flashes in the display, and then press ■ to enter.

To cancel moving
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Changing the order of a group on a disc (Group Move)

See the illustrations on English text (page 58).

On the recorder

1 Press GROUP for 2 seconds or more.

2 While playing a track within a group whose order you want to change, press the jog dial.

3 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

**4** Turn the jog dial until " ⌂ : Move" flashes in the display, and then press to enter.

The group number to which the currently playing track belongs flashes in the middle section of the display. If the group has been labeled, press ▶▶I to display the group name. Press I◀◀ to return to the group number display.

**5** Turn the jog dial to select the destination point on the disc, and then press to enter.

On the remote control

1 Follow the procedure of "To activate the group mode" (page 97) to turn the group mode on.

2 While playing a track within a group whose order you want to change, press DISPLAY for 2 seconds or more.

3 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■ to enter.

4 Turn the control repeatedly until "GP : Move" appears in the display and then press ■ to enter.

5 Turn the control repeatedly to select a destination point on the disc, and then press ■ to enter.

To cancel moving
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Adding a track mark

See the illustrations in English text (page 59).

You can add a track mark so that the part after the new track mark is counted as new track. You cannot add a track mark on a track that has been checked-out from your computer.

1 While playing or pausing an MD, press T MARK on the recorder at the point you want to mark.
"MARK ON" appears in the display, and the track mark is added.

### To add track marks while recording (except while synchro-recording)
Press T MARK at the point you want to add a track mark. You can use Auto Time Stamp to add track marks automatically at specified intervals (except while digital recording).

Erasing a track mark

See the illustrations in English text (page 60).

When you record with analog (line) input, unnecessary track marks may be recorded where recording level is low. You can erase a track mark to combine the tracks before and after the track mark. You cannot erase a track mark on a track that has been checked-out from your computer.

1 While playing the track with the track mark you want to erase, press II to pause.

2 Find the track mark by pressing I◀◀ slightly.
"MARK" appears in the display for 2 seconds.

3 Press T MARK to erase the mark.
"MARK OFF" appears in the display. The track mark is erased and the two tracks are combined.

To cancel moving
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

Notes
• When you erase a track mark between the two consecutive tracks that are registered into different groups, the second track is re-registered into the group containing the first track. In addition, if you combine a track that is registered to a group with a track that is not registered to a group (two consecutive tracks), the second track takes the same registration setting (such as the recording date, track name, etc.) as the first track. However, when the group function is on, you can only combine tracks within the selected group.
• You cannot erase track marks according to the system limitations.

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Erasing tracks

See the illustration in English text (page 60).

You can quickly erase recorded tracks, all the tracks and data of the MD, or groups.

Note that once a recording has been erased, you cannot retrieve it. Make sure of the contents you are erasing.

To Erase a track

On the recorder

1 While playing the track you want to erase, press the jog dial.

2 Turn the jog dial repeatedly until "EDIT" flashes in the display, and then press to enter.

3 Turn the jog dial until " 🎵 : Erase" flashes in the display, and then press to enter.
"Erase OK?" and "PushENTER" appear in the display.

4 Press the jog dial to enter.
The track is erased and the next track starts to play. All the tracks after the one erased are automatically renumbered.

On the remote control

1 While playing the track you want to erase, press DISPLAY for 2 seconds or more.

2 Turn the control repeatedly until "EDIT" flashes in the display, and then press ■ to enter.

3 Turn the control repeatedly until " 🎵 : Erase" flashes in the display, and then press ■ to enter.

4 Press ■ to enter.

To erase a part of a track

Add track marks at the beginning and the end of the part you want to erase, then erase the part.

To erase the whole disc

1 While the recorder is stopped, press the jog dial.

2 Turn the jog dial until "EDIT" flashes in the display, and then press to enter.

3 Turn the jog dial until " 🔄 : Erase" flashes in the display, and then press to enter.
"AllErase?" and "PushENTER" appear in the display.

4 Press the jog dial to enter.
"TOC Edit" flashes in the display, and all the tracks will be erased.
When erasing is complete, "BLANKDISC" flashes and "00:00" appears in the display.

To erase a group

1 Press GROUP for 2 seconds or more to turn the group mode on.

2 Follow steps 1 and 2 of the procedure described under "On the recorder" in "Selecting and playing desired groups (Group Skip Mode)" (page 97) to check the contents.

3 Press ■ to stop playback.

4 Press the jog dial, turn the dial until "EDIT" flashes in the display, and then press the dial again.

5 Turn the jog dial until " 📁 : Erase" flashes in the display, and then press the jog dial.
The group name, "GP Erase?" and "PushENTER" appear in the display.

6 Press the jog dial again.
The group is erased.

To cancel erasing
Press CANCEL on the recorder.
Press DISPLAY for 2 seconds or more on the remote control.

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▶ Other operation

Setting the alarm (Melody Timer)

See the illustrations in English text (pages 63 and 64).

You can set the alarm to go off in 1 to 99 minutes. The alarm sounds even while the recorder is stopped.

The following sounds can be selected:
"TIMER 1" : Classical music 1
"TIMER 2" : Classical music 2
"TIMER 3" : Beeps

On the recorder

1 While the recorder is stopped, playing, or play-paused, press the jog dial.

2 Turn the jog dial until "M-TIMER" flashes in the display, and press to enter.

3 Turn the jog dial until "ON" flashes in the display, and then press to enter.
(•) lights up in the display and the alarm sound can be selected.

4 Turn the jog dial repeatedly to select the alarm sound, and then press to enter.
The alarm sound is set.

5 Turn the jog dial repeatedly to select the elapsed time.
One rotation of the control changes the elapsed time setting (TIME :) by 1 minute, within a range of 1 to 99 minutes. To change the time quickly, keep turning the jog dial.

6 Press the jog dial.
Melody timer is set.
The time remaining until the alarm is shown in the display while the recorder is stopped or play-paused.
To show the remaining time during play, do steps 1 to 3. After verifying the time, press CANCEL.

On the remote control

1 While the recorder is stopped, playing, or play-paused, press DISPLAY for 2 seconds or more.

2 Turn the control repeatedly until "M-TIMER" flashes in the display, and then press ■ to enter.

3 Turn the control repeatedly until "ON" flashes in the display, and then press ■ to enter.

4 Turn the control repeatedly to select the alarm sound, and then press ■ to enter.
The time is set.

5 Turn the control repeatedly to select the elapsed time.
To change the time quickly, turn and hold the control.

6 Press ■ to enter.
The Melody timer is set.
To show the remaining time during play, do steps 1 to 3. After verifying the time, press DISPLAY for 2 seconds or more.

To check the time remaining on the alarm while playing
Follow steps 1 to 3 on the recorder or steps 1 to 4 on the remote control. The remaining time and the selected sound appear in the display. Press CANCEL on the recorder or DISPLAY for 2 seconds or more on the remote control after you checked.

To cancel setting the alarm
Press CANCEL on the recorder, or press DISPLAY for 2 seconds or more on the remote control.

To cancel Melody Timer
Select "OFF" in step 3.

To stop the alarm
Press any button.

Notes
- The settings will be lost when you start recording.
- The timer will begin counting down (using the factory setting) from the moment you select "ON" in step 3. The recorder will begin counting down again from the moment you change the elapsed time in step 5.

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Storing the settings for individual discs (Personal Disc Memory)

See the illustrations in English text (page 65).

The recorder can store the various settings for each disc, and then retrieve them automatically whenever the disc is inserted. Do the following procedure to store the volume, playback mode, group mode playback, playback order, sound quality (Digital Sound Preset), and playback speed (Speed control) settings for a disc.

On the recorder

1 While the recorder is stopped, playing, or play-paused, press to enter.

2 Turn the jog dial until "PERSONAL" flashes in the display, and then press to enter.

"Entry?" flashes in the display.

3 Press the jog dial.

"Entry OK" appears in the display and the disc settings are stored in the recorder.

On the remote control

1 While the recorder is stopped, playing, or play-paused, press DISPLAY for 2 seconds or more.

2 Turn the control repeatedly until "PERSONAL" flashes in the display, and then press ■ to enter.

3 Press ■ to enter.

To erase information
On the recorder
In step 3, turn the jog dial until "Erase?" flashes in the display, and then press to enter.
On the remote control
In step 3, turn the control until "Erase?" flashes in the display, and then press ■ to enter.

Notes
- The settings for up to 20 discs can be stored. Any settings stored afterwards will replace the settings for the least used disc among the 20.
- If you add tracks or perform an editing operation (not including labeling) to a disc whose settings have been stored on the recorder, the disc will no longer be recognizable by the recorder and the stored

information will become useless. In this case, store the settings again.

Turning off the beep sound

See the illustrations in English text (page 67).

Using the recorder, you can turn off the beep sound on the recorder and the remote control. Using the remote control, you can turn off the beep sound on the remote control only. To turn off the beep sound by using remote control, see "Menu functions" (page 90).

1 Press the jog dial.

2 Turn the jog dial until "OPTION" flashes in the display, and then press to enter.

3 Turn the jog dial until "BEEP" flashes in the display, and then press to enter.

4 Turn the jog dial until "MAIN UNIT" or "REMOTE" flashes in the display, and then press to enter.
MAIN UNIT: when turning off the beep sound on the recorder.
REMOTE: when turning off the beep sound on the remote control.

5 Turn the jog dial until "BEEP OFF" flashes in the display, and then press to enter.

To turn on the beep sound
Select "BEEP ON" in step 5.

► *Power sources*

You can use the recorder on …
  — house current.
  — a nickel metal hydride rechargeable
    battery (supplied).
  — dry battery (not supplied).

It is preferable to use the recorder on house current when recording for a long time.

When using a battery, make sure it is a fully charged rechargeable battery or a new alkaline dry battery to prevent operations (e.g., recording and editing.) from failing due to insufficient battery power.

Battery life
The battery life may be shorter due to operating conditions and the temperature of the location.

When recording (JEITA[1])
(Unit: approx. hours)

Batteries	Stereo	LP2	LP4
NH-14WM(A) nickel metal hydride rechargeable battery[2]	12	17	21
LR6 alkaline dry battery[3]	12	19	23
NH-14WM(A) nickel metal hydride rechargeable battery + one LR6	30	43	52

1) Measured value by the standard of JEITA(Japan Electronics and Information Technology Industries Association).
2) When using a 100% fully charged rechargeable battery.
3) When using a Sony LR6 (SG) "STAMINA" alkaline dry battery (produced in Japan).

When playing (JEITA)
(Unit: approx. hours)

Batteries	Stereo	LP2	LP4
NH-14WM(A) nickel metal hydride rechargeable battery	30	38	42
LR6 alkaline dry battery	44	52	62
NH-14WM(A) nickel metal hydride rechargeable battery + one LR6	79	95	110

When to replace the batteries
When the dry battery or rechargeable battery are weak, flashing ⊏⊐ or "LOW BATT" appears in the display. Replace the dry battery or charge the rechargeable battery.
The battery level indicator is approximate. It may be more or less than the indication depending on the operating condition.

Note
Stop the recorder before replacing battery.

► *Additional information*

Messages

If the recorder cannot carry out an operation, error messages may flash in the display window as follows.

BANK FULL :
> The phrase bank is almost full and cannot store the phrase you tried to enter.Delete some phrases from the phrase bank, and then reenter the new phrase.

BLANKDISC :
> You tried to play an MD with no recording on it.

BUSY :
> You tried to operate the recorder while it was accessing the recorded data. Wait until the message goes out (in rare cases, it may take a few minutes).

Data Save :
> The MD recorder is recording information (sounds) from the memory to the disc. Wait until this process is completed. Do not expose the recorder to any physical shock, nor disrupt power supply.

DISC FULL :
> There is no more space to record on the MD.

EMPTY :
> You tried to erase data in the phrase bank but no data have been recorded.

Hi DC in :
> The power supply is higher than required. Use the recommended power sources.

HOLD :
> You tried to operate the recorder with the HOLD switch slid in the direction of the arrow. Slide back the switch.

LINE OUT :
> You pressed VOL +/– while the "AUDIO OUT" parameter is set to "LINE OUT". Use the jog dial to set the "AUDIO OUT" parameter to "HeadPhone".

LOW BATT :
> The rechargeable battery or dry battery is weak. Charge the rechargeable battery or replace the dry battery.

MEM OVER :
> You started recording with the recorder receiving continuous vibration. Put the recorder on the stable place and start recording again.

MENU :
> You pressed a key on the remote control while selecting a menu on the recorder.

NAME FULL :
> You tried to enter more than 200 letters to label a single track or disc.
> You tried to enter a total of more than 1700 letters for track or disc names.

NO COPY :
> You tried to make a copy from a disc that is protected by the Serial Copy Management System. You cannot make copies from a digitally connected source which was itself recorded using the digital connection. Use the analog connection instead.

NO DISC :
> You tried to play or record with no disc in the recorder.

No Entry! :
> You tried to erase a setting in the Personal Disc Memory on a disc that contains no settings in the Personal Disc Memory.

NO SIGNAL :
> The recorder could not detect digital input signals. Make sure that the source is connected firmly. If the message appears while recording, press x to end recording.

NO TEXT :
> You tried to use the CD text copying function to copy a track or disc name from a CD that has no text data.

NV ERROR :
> Internal processing was not correctly done.
> Reinsert the disc or try repeating the recorder operation. If the same message appears again, a mechanical problem may be the cause. In this case, consult your nearest Sony dealer.

P/B ONLY :
> You tried to record or edit on a premastered MD (P/B stands for playback).

PROTECTED :
> You tried to record or edit on an MD with its tab in the record-protect position.

REC ERR :

The recording is not correctly done. Place the recorder at no vibration and record again.
The disc is dirty (with oil stainer finger prints), scratched, or out of standard. Record again with another disc.

READ ERR :

The recorder cannot read the disc information correctly. Reinsert the disc.

SORRY :

You tired to set Digital Sound Preset while the "AUDIO OUT" parameter is set to "LINE OUT". Use the jog dial to set the "AUDIO OUT" parameter to "HeadPhone".
You tried to erase a track mark while playing the MD or at the beginning of the first track.
You tried to erase a track mark to combine tracks the recorder cannot combine (a track recorded in different recording mode such as in LP2 and LP4, or a track recorded through analog connection and digital connection)*.
You tried to overwrite a track mark.
You tried to press ∥, T MARK or REC MODE while synchro-recording or the joint text function is active.

＊ If you have recorded or erased many times on the same MD, the data of a single track may be scattered throughout the MD. When the data is scattered in groups of less than 12 seconds long, the recorder will not be able to combine the tracks.

TEMP OVER :

Heat has built up in the recorder. Wait until the recorder cools down.

TOC Edit :

The MD recorder is recording information (track start and end position) from the memory to the disc. Wait until this process is completed. Do not expose the recorder to physical shock, nor disrupt power supply.

TOC ERR :

The recorder cannot read the disc information correctly. Insert another disc. If it is no problem to erase all the contents of the disc, erase all (page 113).

TR FULL:

You tried to record more than 254 tracks.

TrPROTECT :

You tried to record over or edit a track which has been protected from being recorded over*.

＊ Track-protected MiniDiscs — Some MD recorders will let you protect individual tracks from being recorded over. This recorder, however, does not offer this feature.

http://www.sony.net/

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