NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION

ALVORENS TE GEBRUIKEN

- Avoid high temperatures. Allow for sufficient heat dissipation when installed on a rack.
- Ventilationsl uchkeitswerte müssen gewährleistet werden, um die Geräte auf ein gutes geregelt wird.
- Evite des temperaturas precipitas. 
- Zögäk höhe temperaturen. 
- Zorg voor een voldoende ruimte indien het apparaat op een rek wordt geplaatst.

- Unplug the power cord when not using the set for long periods of time.
- Wenn das Gerät eine lange Zeit nicht verwendet wird, trennen Sie die Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Neem altijd het netvoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt.

- Handle the power cord carefully.
- Halte die Kabel nicht an der Verbindungspunkt festhalten.
- Manipulez le cordon d'alimentation avec prudence.
- Hoog het netvoer voorzichtig.

- Do not obstruct the ventilation holes.
- Ne pas obstruer les trous d'aspiration.
- Enlevez les obstacles sont provoquées car ils ne doivent pas être bloqués.

- Never disassemble or modify the set in any way.
- Versuchen Sie niemals, das Gerät zu zerlegen oder zu ändern. Änderungen sind nicht zulässig.
- Ne jamais démonter ou modifier l'appareil de manière non autorisée.

"SERIAL NO.
PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE CABINET FOR FUTURE REFERENCE"
IMPORTANT TO SAFETY

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:
1. Handle the power supply cord carefully
   Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.
2. Do not open the top cover
   In order to prevent electric shock, do not open the top cover. If problems occur, contact your DENON DEALER.
3. Do not place anything inside
   Do not place metal objects or spill liquid inside the MiniDisc recorder. Electric shock or malfunction may result.

NOTE:
This MiniDisc recorder uses the semiconductor laser. To allow you to enjoy music at a stable operation, it is recommended to use all in a room of 10°C (60°F) - 35°C (95°F).

- Place of Installation
To ensure sufficient ventilation, leave a space of at least 10 cm between the front, sides and back of the unit and walls or other objects which may obstruct ventilation.

CAUTION:
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
THE MINIDISC RECORDER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

Thank you for purchasing this DENON MiniDisc recorder. Please read the operating instructions thoroughly in order to acquaint yourself with the MiniDisc recorder and achieve maximum satisfaction from it.

Please check to make sure the following items are included with the main unit in the carton:
1. Operating instructions
2. Connection Cord
3. Optical Fiber Cord
4. Remote Control Unit (RC-701)
5. RCP (AAA Cell Battery)
6. Service Station List

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TABLE OF CONTENTS
1. Features
2. Cautions on Handling
3. About MiniDiscs
4. Connections
5. Part Names and Functions
6. Remote Control Unit
7. Normal Playback
8. Various Playback Functions
9. Various Recording Functions
10. Troubleshooting
11. Main Specifications

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2. CAUTIONS ON HANDLING

Installation
Do not place a TV set, a small one, or other object on top of the DMD-1000.

When receiving FM, AM and TV broadcasts
If the DMD-1000's power is turned on while receiving FM, AM or TV broadcasts, there may be noise in the sound or stripes on the TV picture. Keep the DMD-1000's power turned off when not using it.

The DMD-1000 uses digital technology. If an FM tuner is placed nearby, it may cause adverse effects, such as noise in the tuner's antenna cable, etc.

When not using the DMD-1000
- Always remove the disc and turn the power off.
- When leaving home for long periods of time such as for trips, be sure to unplug the power cord.

When moving the DMD-1000
- Do not subject the DMD-1000 to shocks.
- Always check that the disc has been removed and the connection cables disconnected before moving the DMD-1000.

3. ABOUT MINIDISCS

- MiniDiscs allow a maximum of 74 minutes at stereo mode of recording and playback in a compact size.
- There are two types of MiniDiscs: those for playback only, and those for recording and playback.
- Only MiniDiscs with the mark shown at the right can be played and recorded on this set.
- Playback only MiniDiscs:
  - These discs are for playback only. Commercially available music CDs are of this type.
  - These are laser discs, like regular compact discs.
  - These discs cannot be added.

Recordable MiniDiscs:
- These are magneto-optical discs on which both recording and playback are possible. Recording is performed through magnetic modulation.
- Re-recording is also possible.

Accidental erase prevention tabs:
These tabs protect recordable MiniDiscs from accidental erasure. To avoid accidentally erasing the recording, open the tab so that the hole is exposed. (See the diagram below.) When this is done, “PROTECTED” is displayed on the display when you try to record, erase, or edit the disc, and the recording is protected. To record or erase the disc, set the tab back to its original position with the hole covered.

Recording on discs:
MiniDiscs include a section in which the audio signals are recorded and a section in which such data as track numbers and track titles are recorded.

The TOC:
With MiniDiscs, the audio signals are recorded, data used for checking the tracks (TOC — Table of Contents) is also recorded on the disc. This TOC data is used when playing the disc. In addition, editing is performed by rewriting the TOC data.

The TOC is written on the disc when the eject button is pressed, and when the power button on the remote control unit is pressed to set the power to the standby mode.

When TOC writing is started, the “TOC” indicator flashes. Do not shake the main unit, press the main unit's power button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.


4 CONNECTIONS

1. Connecting the analog input and output jacks (analog connections)

- Use the included connection cords (pin–plug cords) to connect the analog input and output jacks.
  - Connect the left (L) and right (R) analog output (ANALOG OUT) jacks on the DMD-1000 to the left (L) and right (R) tape input (tape playback) jacks on the amplifier.
  - Connect the left (L) and right (R) analog input (ANALOG IN) jacks on the DMD-1000 to the left (L) and right (R) tape output (tape recording) jacks on the amplifier.

2. Connecting the digital input and output jacks (digital connections)

- Use the included optical fiber cord to connect the OPTICAL digital input and output jacks. Use separately sold 75 Ω/stereo pin–plug cords to connect the COAXIAL digital input and output jacks.
  - Connect the digital output (DIGITAL OPTICAL OUT) jack on the DMD-1000 to the digital optical input of a digital processor or D/A unit.
  - Connect the digital input (DIGITAL OPTICAL IN) on the DMD-1000 to the digital output (DIGITAL OPTICAL OUT) or DIGITAL COAXIAL OUT) jacks on a CD player, digital processor or D/A unit.
- This model comes with one optical fiber cable. Please contact your nearest DENON customer service center or office if you want to use a separately sold optical fiber cord.

3. Connections diagram

- After unplugging the power cord, wait about 5 seconds before plugging it back in.
- Check the channels and be sure to connect left to left (L—L) and right to right (R—R).
- Insert the plug securely. Incorrect connections may result in humming or noise.

Digital Copies

- MiniDiscs recorded from a CD, etc., using the digital input cannot be digitally recorded (copied) onto another MiniDisc or DAT. This is determined by DCCMS (Serial Copy Management System) regulations.

NOTES:

- Do not plug in the power cord until all other connections have been made.
- Check the channels and be sure to connect left to left (L—L) and right to right (R—R).
- Insert the plug securely. Incorrect connections may result in humming or noise.
5  PART NAMES AND FUNCTIONS

1  POWER button
- The power turns on when the button is switched from the off position (.) to the on position ( ).
- The power turns off when the button is switched from the on position ( ) to the off position ( ).
- When the button is in the on position ( ), the power button on the remote control unit can be used to switch the power between the on and standby modes. "D " is displayed when the power is in the standby mode.
- If a disc is inserted while in the standby mode, the power turns on automatically and the disc is drawn in. If a disc is inserted, the power turns on automatically when the play or eject button is pressed, and then operation is performed.

2  Headphones jack ( PHONES )
- Use this jack to listen with headphones. (Headphones are not included.)

3  Headphones volume control ( PHONES LEVEL )
- Use this to adjust the volume level of the headphones jack ( PHONES ).

4  Input select switch ( INPUT SELECT )
- Use this to select the input source for recording.
- The input source cannot be switched during recording. To do so, first set the recording standby or stop mode.

5  REMOTE SENSOR
- Point the remote control unit (70-279) towards this sensor when operating it.

6  Display

7  CHARACTER button
- Use this button when inputting titles to switch between capital letters, small letters and special letters.

8  External input monitor button ( EXT. MONITOR )
- When this button is pressed, the input signal selected with the input select switch can be monitored on the set's output jacks.

9  RECOVERY button
- When recording or editing has been performed repeatedly, the recording time may be shorter than the Mini-Disc's maximum recording time. If this happens, press this button to reorganize the contents data (TOC) and increase the recordable time.
- The recordable time may not increase for some Mini-Discs.

10  CLEAR button
- Press this button to clear programmed tracks or title characters.

11  Input level adjustment control ( INPUT LEVEL )
- Use this to adjust the analog input signal recording level.
- This control does not affect digital recording.

12  Jog dial
- Use this dial to find the beginning of tracks and for editing.
- Use this dial to input letters when giving titles to tracks on the disc.

13  ENTER button
- Press this to enter the edited data.

14  Record button ( REC )
- Press this button to record.
- The recording standby mode is set when the REC button is pressed alone.
- Press the play button ( ) in the recording standby mode to start recording.
- To stop recording or to cancel the recording standby mode, press the stop button ( STOP ).

15  EDIT button
- This button is used when inputting disc and track titles and for such editing operations as erasing, dividing, combining and moving tracks. (See Page 17 - 23.)

16  Pause button ( PAUSE )
- Press this button to stop playback or recording temporarily.
- Press the play button ( ) to cancel the pause mode.

17  Manual search forward button ( )
- Press this to search forward rapidly. (See Page 9.)

18  Stop button ( STOP )
- Press this button to stop playback or recording.
- Press this button to clear the editing operation.

19  Manual search reverse button ( )
- Press this to search backward rapidly. (See Page 9.)

20  Play button ( )
- Press this button to start playback or recording.
- Press this button during recording to add a track number.

21  Eject button ( )
- Press this to eject the disc.

22  Disc insertion slot
- When a disc is inserted here, it is automatically drawn into the set.
- Be sure to insert the disc in the proper direction.

23  Analog output jacks ( ANALOG OUT )
- Connect these to an amplifier's input jacks (TAP-1, REC).
- Connect these to the amplifier's output jacks (TAP-1, REC).
- The audio signals from other components connected to this amplifier can be recorded on this set.
- To do so, set the input select switch ( INPUT SELECT ) to the "ANALOG" position.

24  Digital output jack ( DIGITAL OPTICAL OUT )
- Digital data is output from this jack on the front of optical signals.
- When this jack is connected to the digital input (OPTICAL) jack on a digital processor or D/A unit, the sound from the DMD-1000 can be heard over the speakers.

25  Digital input jack ( DIGITAL COAXIAL IN )
- Use this jack to input digital data.
- When connected to the digital optical output jack of a CD player, DAT deck, satellite broadcast tuner or another MD recorder, the sound from that unit can be recorded digitally on the DMD-1000. To do so, set the input select switch ( INPUT SELECT ) to the "COAX" position.

26  Digital input jack ( DIGITAL OPTICAL IN 1, 2 )
- Digital data is input from this jack in the form of optical signals.
- When connected to the digital optical output jack of a CD player, DAT deck, satellite broadcast tuner or another MD recorder, the sound from that unit can be recorded digitally on the DMD-1000. Two sets of digital inputs can be connected; set the input select switch to "OPT-1" or "OPT-2".
- It is not possible to record the digital data of sources for which digital copying is prohibited. "Copy Prohibit" is displayed.

27  Timer select switch ( TIMER )
- Use this for timer recording or playback when using the DMD-1000 with a separately sold timer.
- Set the switch to "STEREO" to record in stereo.
- Set the switch to "MONO" to record in monaural.
- With monaural recording, it is possible to record approximately twice as much as with stereo recording.
- The setting cannot be changed during recording.
- To change the setting, first switch to the pause or stop mode.

28  Recording mode switch ( REC MODE )
- Set the switch to "STEREO" to record in stereo.
- Set the switch to "MONO" to record in monaural.
- With monaural recording, it is possible to record approximately twice as much as with stereo recording.
- The setting cannot be changed during recording.
- To change the setting, first switch to the pause or stop mode.

* Note on ejecting discs
- After pressing the eject button do not push the disc back in while it is being ejected. To reinsert the disc, wait until it comes fully out and stops, then press it back in.
Display

- This indicator lights when the recording, erasing, tape input or other editing operations are performed and the contents of the disc are changed. Do not shake the main unit, press the main unit's power button or unplug the power cord while this indicator is flashing. Doing so will result in a loss of the recorded data.

- This indicator lights when one of the digital inputs (digital) is selected. If this flashes after performing the recording operation, check the connections of the digital input jacks.

- This indicator lights when the recording or recording standby mode.

- This indicator lights during playback or recording. "II" lights during the pause mode. "I" flashes during manual search in the play mode, "II" flashes during manual search in the pause mode.

- This indicates the recording and playback level.

- This indicator lights during random playback.

- This indicator lights during programmed playback.

- These indicators light when in the repeat playback mode.
  - In the single track repeat mode: REPEAT 1
  - In the all track repeat mode: REPEAT ALL
  - In the A-B repeat mode: REPEAT A-B

- This indicates the time display setting. When SINGLE is lit: Single track remaining time When TOTAL is lit: Recordable time

REMOTE CONTROL UNIT

- The included remote control unit (RC-270) can be used to operate the DMD-1000 from a distance.

Inserting the batteries

1. Remove the remote control unit's back lid.

2. Insert the two RBPAAA batteries in the battery compartment, in the direction indicated by the marks inside the compartment.

3. Put the back lid back on.

Cautions on batteries

- Use RBPAAA batteries in the remote control unit.
- The batteries should be replaced with new ones after approximately one year (though this depends on the frequency with which the remote control unit is used).
- Even if the batteries are less than a year old, replace them with new ones if the remote control unit no longer operates even from a short distance from the main unit.
- When inserting new batteries, wait about two minutes after removing the old batteries before inserting the new ones.
- Be sure to set the batteries in the proper "+" and "-" directions, as indicated by the marks in the remote control unit's battery compartment.
- Remove the batteries when not using the remote control unit for long periods of time.
- To avoid explosions and fluid leakage:
  - Do not use old or new batteries.
  - Do not use different types of batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- If the battery fluid should leak, wipe off the battery compartment, then insert new batteries.

Using the remote control unit

- When operating the remote control unit, point it at the main unit as shown in the diagram.
- The remote control unit can be operated from a direct distance of approximately 8 meters from the main unit. This distance will be shortened, however, if there are obstacles or at an angle. The remote control unit can be operated at an angle of up to approximately 30°.

NOTES:

- The remote control unit may not operate if the remote sensor is exposed to direct sunlight or strong artificial light, or if there is an obstacle between it and the remote sensor.

- Do not press buttons on the main unit and on the remote control unit at the same time. Doing so will result in malfunction.
Names and Functions of Remote Control Unit Buttons

* Buttons not explained here function in the same way as the corresponding buttons on the main unit.

**POWER button**
Press this when the power button on the main unit is set to the on position (\( \uparrow \)) to switch the power between the on and standby modes.

**PLAY button**

**II PAUSE button**

**STOP button**

**REC (recording button)**

\( \Rightarrow \) and \( \Rightarrow \) (automatic search reverse and forward buttons)
Use this to find the beginning of a track. (See Page 9)

\( \Rightarrow \) and \( \Rightarrow \) (manual search reverse and forward buttons)

**TIME button**
- Press this to switch the time display between the elapsed time and the remaining time per track.
- When pressed in the stop mode, the time display switches between the total playing time and the recordable time.

**TITLE button**
Press this button to switch the time display to the title display.

**CHARACTER button**

**REPEAT 1/ALL button**
Press this button to play a single track or all tracks repeatedly. (See Page 9)

**EJECT button**

**REPEAT A-B button**
Press this button to play A-B repeatedly. (See Page 12)

**PROG/DIRECT (program/direct) button**
Press this button to switch between the program setting mode and the direct search mode. Normally this is set to the direct search mode.

**1 to 10 (number buttons)**
Use these buttons for direct search and programmed playback.

**CALL button**
Use this button to check the programmed track.

**+10 button**
Use this button to enter track numbers of 11 or over for direct search and programmed playback.

**ENTER button**

**CLEAR button**

**EDIT button**

**RANDOM button**
Press this button to play the track in random order. (See Page 10)

**SYNCHRO REC button**
Press this for synchronized recording. (See Page 14, 15)

**MEMORY REC button**
Press this for memory recording. (See Page 15)

7 NORMAL PLAYBACK

1. Starting playback
First try playing the tracks in order.

2. Disc Set ➔ TOC Reading
- Disc title is not displayed if no disc title has been input.

3. BOY MEETS GIRL ➔ 01Tr 05m 28s
- The track title is not displayed if no track title has been input.

4. Disc title
- The stop mode is set automatically once all the tracks on the disc have been played.

5. Disc title

1 Turn on the power.
- "No Disc" is displayed if no MiniDisc is loaded.

2 Load the disc.
- Insert the disc into the disc insertion slot in the direction indicated by the arrow on the top of the disc. The disc is drawn in automatically.

3. Disc title

4. Disc title

5. Disc title

6. Disc title

7. Disc title
8 VARIOUS PLAYBACK FUNCTIONS

In addition to normal playback, the DMD-1000 also offers the playback functions described below.

1. Playing a certain track (remote control unit only) .......................... Direct Search

   ![Diagram of Direct Search function]

   Use the number buttons (1 to 10) and the +/10 button to input the number of the desired track:
   - For example:
     Press button 2 to listen to the 4th track, buttons 12 and 13 to listen to the 12th track, 14 16 and 18 to listen to the 18th track. Playback begins from that track.

2. Finding the desired position while listening to the sound ................. Manual Search

   ![Diagram of Manual Search function]

   Use this function to skip rapidly through the disc while listening to the sound.
   - This function comes in handy when you want to find a certain section within a long track.

   ![Diagram of Searching forward]

   During playback, press and hold the manual search forward button (▷). Normal playback resumes from the point at which the button is released.
   - Playback stops if the end of the last track on the disc is reached while pressing the manual search forward button (▷).
   - For high-speed forward search without hearing the sound, press the manual search forward button while in the pause mode.

   ![Diagram of Searching backward]

   During playback, press and hold the manual search reverse button (◁). Normal playback resumes from the point at which the button is released.
   - Manual search stops and playback starts if the beginning of the first track on the disc is reached while pressing the manual search reverse button (◁).
   - For high-speed backward search without hearing the sound, press the manual search reverse button while in the pause mode.

NOTE:
- There may be a slight break in the sound when returning to normal playback from the manual search mode.

3. Finding the beginnings of tracks during playback ........................... Automatic Search

   ![Diagram of Automatic Search function]

   Either turn the jog dial on the main unit clockwise (↻) or press the automatic search forward button on the remote control unit:
   - During the search operation, turn the jog dial on the main unit clockwise (↻) again or press the automatic search forward button on the remote control unit again to move further on to the beginning of the following track.

4. Stopping playback temporarily .................................................. Pause

   ![Diagram of Pause function]

   Use this function to stop playback temporarily, then resume from the same point:
   - Press the pause button to stop playback from the point at which the pause mode was set.
5. Playing tracks in a certain order

1. **Programmed Playback**
   - Use this function to select certain tracks from the disc and program them to play in a certain order.
   - Up to 26 tracks can be programmed.

   ![Remote control unit]

   3  2

   ![Remote control unit]

   1  2

2. **Random Playback**
   - Use this function to play all the tracks on the disc once in random order.

   ![Remote control unit]

   2  1

   ![Remote control unit]

   2  1

---

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| 1 | In the stop mode, press the PROG/DIRECT button.  
   * The "PROG" indicator lights. |
| 2 | Use the number buttons and the + 10 button to select the tracks for programmed playback.  
   * For example, to program the 3rd, 12th and 7th tracks, press PROG/DIRECT, 3, 12, 7, and 7. |
| 3 | Press the play button ( ▶ PLAY ).  
   * The tracks are played in the programmed order. |

---

**NOTE:**
- The single track repeat mode and A - B repeat mode cannot be set during random playback.

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6. Playing in random order

1. In the stop mode, press the RANDOM button.  
   * The "RANDOM" indicator lights.

2. Press the play button ( ▶ PLAY ).  
   - During normal playback: Tracks are automatically played in random order.
   - During the all-track repeat mode: All the tracks are played once in random order, then repeated in another random order.
   - To cancel the random play mode, either set the stop mode or press the RANDOM button again.

---

**NOTE:**
- The single track repeat mode and A - B repeat mode cannot be set during random playback.
7. Playing repeatedly

(1) Playing a single track repeatedly (Single Track Repeat)

Press the REPEAT 1/ALL button once.
- The "REPEAT" indicators light on the display and the single track repeat mode is set.

 Either turn the jog dial on the main unit or use the automatic search buttons ( and ) on the remote control unit to select the track to be played repeatedly.

Press the play button ( ).
- Playback starts.
- Once the selected track ends, it is played again from the beginning.
- The single track repeat mode can also be set by pressing the REPEAT 1/ALL button during playback. The current track is played repeatedly.
- To cancel the single track repeat mode, press the REPEAT 1/ALL button repeatedly until the "REPEAT" indicator turns off.

1 Press the REPEAT 1/ALL button once.
- The "REPEAT" indicators light on the display and the single track repeat mode is set.

Press the play button ( ).
- The disc is played repeatedly.
- The all track repeat mode can also be set by pressing the REPEAT 1/ALL button twice during playback.
- If the REPEAT 1/ALL button is pressed during programmed playback, the tracks are played repeatedly in the programmed order.
- To cancel the all track repeat mode, press the REPEAT 1/ALL button repeatedly until the "REPEAT" indicator turns off.

NOTE:
- The single track repeat mode and A - B repeat mode cannot be set during programmed playback or random playback.
(3) Playing a section between any two points repeatedly (A-B Repeat)

- This function allows you to play a certain section within a track repeatedly.

**Remote control unit**

1. During playback, press the A-B repeat button at the position at which you want to start repeating (point A).
   - The "" REPEAT "" indicator lights.

2. Press the A-B repeat button again at the position at which you want to stop repeating (point B).
   - The "" REPEAT "" indicator lights, the pickup returns to point A, and the section is played repeatedly.

- To stop A-B repeat playback, press the REPEAT A-B button on the remote control unit until the ""REPEAT"" indicator turns off. The A-B repeat mode is canceled and normal playback starts from the beginning of the current track.
- If the stop button is pressed, the A-B repeat mode is canceled and the stop mode is set.

**NOTES:**
- A-B repeat playback is not possible during programmed playback or random playback.
- The automatic and manual search functions cannot be used during A-B repeat playback or when setting point B.
- When A-B repeat playback is canceled, the pickup returns to point B, and playback resumes from the beginning of the track that is playing when the A-B repeat mode is canceled.

9 RECORDING

- When recording on an already recorded disc, recording automatically starts at the end of the section last recorded. When doing so, pay attention to the remaining time.
- To delete the entire content of the disc and record from the beginning, first erase the entire disc. (For instructions on erasing the entire disc, refer to "10 Erasing All Tracks" on Page 13.)
- To record on a disc, make sure the accidental erase prevention tab is closed and the hole is covered.

1. Starting recording

   - The recording pause mode is set automatically if a blank disc or no-track disc is loaded. (Auto Rec Pause function)

(1) Analog recording

1. Turn on the power.
2. Load the recordable MiniDisc on which you want to record.
3. Set the recording mode switch to the mode in which you want to record.
4. When using an already recorded MiniDisc, press the TIME button to check the recordable time.
   - The time display switches between the total recorded time and the recordable time each time the TIME button is pressed.

5. Set the input select switch (INPUT SELECT) to the "ANALOG" position.
   - Analog ATM On: "Analog ATM On" or "Analog ATM Off" appears on the multi-display.
   - When the analog A.T.M. (Auto Track Marking) function is on and "Analog ATM On" is displayed, Track numbers are automatically added when soundless sections (about 1.5 sec) are detected in the recording input signal.
   - When the analog A.T.M. function is off (when "Analog ATM Off" is displayed), Track numbers are not automatically added. (For instructions on adding track numbers, refer to "10 Editing — (2) Dividing tracks" on Page 19.)

6. Start playing the selection you want to record on the CD player, cassette deck, etc.
7. Press the record button (● REC.).
   - The recording standby mode is set.
8. Use the INPUT LEVEL control to adjust the recording level.
   - Adjust the INPUT LEVEL control so that the "OVER" indicator does not light even when the volume is loudest. After adjusting, set the source to be recorded to the standby mode.
9. Press the play button (● PLAY).
   - Recording starts.
10. Start playing the selection you want to record on the CD player, cassette deck, etc.
2. Stopping recording

During recording, press the stop button (■ STOP).
- The stop mode is set automatically once the end of the recordable time is reached.

Press the EJECT button (△). - The TOC data is written and the disc is ejected.
- When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
- The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

NOTES:
- When performing digital recording, there is no need to adjust the recording level. The position of the INPUT LEVEL control does not affect the recording level.
- When performing digital recording of CDs or MiniDiscs, the track numbers are recorded automatically. Depending on the recording content on the CD or MiniDisc and on the type of CD player, the track numbers may differ from those on the original CD or MiniDisc. (See Page 5.)
- When recording on CDs or MiniDiscs, track numbers may be incremented by 1. If this happens, erase the unnecessary track numbers. (See Page 17.)
- When recording digital sources other than CDs or MiniDiscs, track numbers are automatically added when blank sections are detected. (See Page 5.)
- During digital recording from CDs or MiniDiscs, the track number may not change if the same track is programmed twice in a row or if the single track repeat mode is set.
- It is not possible to make digital recordings of MiniDiscs which have already been recorded digitally. The DMD-1000 includes a serial copy management system. This system times reproduction of digital signals on digital audio devices to "one generation". Use analog recording to record MiniDiscs originally recorded digitally.
- To eject the MiniDisc if the "Copy Protection" or "Digital Unlock" message is displayed during digital recording and the recording pause mode is set, first press the stop button, then press the eject button to eject the MiniDisc.

1. Turn on the power.
2. Load the recordable MiniDisc on which you want to record.
3. Set the recording mode switch to the mode in which you want to record.
4. When using an already recorded MiniDisc, press the TIME button to check the recordable time.
   - The time display switches between the total recorded time and the recordable time each time the TIME button is pressed.
   - Example: When set to the DIGITAL OPTICAL in 1
     - The input select switch (INPUT SELECT) to the "COAX", "OPT-1" or "OPT-2" position.
     - "COAX", "OPT-1" or "OPT-2" appears on the multi-display.
     - If the "OPT-1" indicator is flashing, check the connections to the digital input jacks.
5. Press the record button (REC).
   - The recording standby mode is set.
   - If the input select switch is switched while in the recording pause mode, the digital input signal's sampling frequency is displayed for approximately 2 seconds.
6. Press the play button (PLAY).
   - Recording starts.
7. Press the selection to be recorded on the CD player, etc.
10 VARIOUS RECORDING FUNCTIONS

1. Adding track numbers during recording
   - Track numbers can be added during recording regardless of the recording mode.
   - During recording, press the play button (► PLAY). Press the play button (► PLAY).
   - When the play button (► PLAY) is pressed during recording, a track number is attached at that point.
   - A new track number cannot be added for approximately 4 seconds after the last track number for stereo recordings.
   - A new track number cannot be added for approximately 8 seconds after the last track number for monaural recordings.

2. Stopping recording temporarily
   - Recording can be stopped temporarily then resumed from the same point.
   - During recording, press the pause button (■ PAUSE).
   - When the pause button (■ PAUSE) is pressed during recording, the pause mode is set at that point and the track number changes.
   - Press the play button (► PLAY) to resume recording.

NOTES:
- The TOC is written on the disc when the eject button is pressed to eject the disc and when the power button on the remote control unit is pressed to set the unit to the standby mode.
- After recording, press the EJECT button ( ) to record the TOC data before performing other operations. The indicator flashes while the TOC data is being recorded. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.

3. Recording simultaneously while playing on another component
   - With this function you can start recording automatically when playback starts on a component connected to the input jacks.
   - The recorder switches between the total recorded time and the recordable time each time the TIME button is pressed.

Synchronized Recording

1. Turn on the power.
2. Load the recordable MiniDisc on which you want to record.
3. Switch the recording mode to the mode in which you want to record.
4. When using an already recorded MiniDisc, press the TIME button to check the recordable time.
   - The display switches between the total recorded time and the recordable time each time the TIME button is pressed.
5. In the stop mode, press the EDIT button.
   - "Edit Mode" is displayed.

6. Either turn the jog dial on the main unit or press one of the automatic search buttons (◄◄ and ►►) on the remote control unit.
   - Display "Sync Rec Lev 1.5".

7. Press the ENTER button.
   - "Sync Lev: -54 dB" is displayed.
   - The default value is -54 dB.
   - A synchronized recording level of -54 dB means that recording starts automatically on the MiniDisc when playback signals of -54 dB or greater are detected after a blank section of 4 seconds or more in the playback signals input from an external component.

8. Turn the jog dial on the main unit or use the automatic search buttons (◄◄ and ►►) on the remote control unit to set the synchronized recording level.
   - The level can be adjusted in steps of 3 dB between -54 dB and -30 dB.
   - When the synchronized recording level is set to -30 dB, -24 dB, -18 dB or -12 dB, the signal level for the auto track跟不上 function which automatically adds track numbers when blank sections are detected is set to the same level. When set to -54 dB, the signal level is set to approximately -50 dB.

9. Press the ENTER button.
   - "Complete" is displayed.
   - The synchronized recording level is set.

10. Set the input select switch (INPUT SELECT).
11. Press the SYNCHRO REC button.
    - Set the recording pause mode and "Synchro Rec" is displayed.
4. Recording from a point 6 seconds back .......... Memory Recording

- With this function you can start recording from a point up to 6 seconds back in the sound that was being input to the set when the recording pause mode was set.

1. Press the recording button.
2. Press the [Memory record] button.
3. Recording stops.

- Use this function to prevent missing the beginning of the satellite broadcast or other program you wish to record using the "AIR CHECK" function.

NOTE:
- The recording mode cannot be switched during recording.
- If the recording mode switch (REC MODE) is switched during the editing operation, the editing operation is canceled.
- The monitor signals and level meter display do not switch to monaural, even if the recording mode switch is switched to "MONO".

5. Recording in monaural ................. Monaural Recording

- With monaural recording it is possible to record approximately twice as much as with stereo recording.
- Use this function to record tracks originally recorded in monaural or programs consisting mostly of talk.

1. Set the recording mode switch to "MONO".
   - "Mono" is displayed.
2. Press the REC button.
   - The recording standby mode is set.
3. Press the PLAY button.
   - Recording starts.

NOTE:
- The recording mode cannot be switched during recording.
- If the recording mode switch (REC MODE) is switched during the editing operation, the editing operation is canceled.
- The monitor signals and level meter display do not switch to monaural, even if the recording mode switch is switched to "MONO".
11 TIMER PLAYBACK AND RECORDING

- A separately sold audio timer can be used to start playback or recording at a specific time.
- Also refer to the operating instructions for the audio timer and amplifier.

1. Connections

2. Timer playback

3. Timer recording

1. Turn on the power of the DMD-1000 and the connected components.

2. Load the recordable MiniDisc for timer recording into the DMD-1000.

3. Set the recording mode switch to the mode in which you want to record.

4. When using an already recorded MiniDisc, press the TIME button to check the recordable time.

5. Set the input selector button on the amplifier or receiver to the source to be recorded.

6. Set the input select switch (INPUT SELECT) on the DMD-1000 to the source to be input.

7. Press the record button and adjust the recording level. (For analog inputs only)
   - Adjust so that the level meter does not light up to "OVER".

8. Set the DMD-1000's timer select switch (TIMER) to "REC".
   - When the set time is reached, the power turns on and recording begins.

9. Set the audio timer for the desired time.

10. Press the power button on the remote control unit to set the power to the standby mode.
    - Turn the audio timer ON.
    - When the set time is reached, the power of the various components turns on automatically and recording begins.
# EDITING

The editing functions can be used to add track numbers, combine tracks, erase unwanted sections, etc. It is also possible to give titles to discs and tracks. Use the editing functions to get the best of the excellent operability that MinDiscs offer.

## 1. Editing

The MD-1000 is equipped with the following four editing functions:

### Editing functions

- **Erasing single tracks** (See Page 17)
- **Erasing all tracks** (See Page 18)
- **Erasing disc titles** (See Page 22)
- **Erasing all titles** (See Page 22)

- **Combining tracks** (See Page 19)
- **Dividing tracks** (See Page 19)

- **Moving tracks** (See Page 20)
- **Moving program tracks** (See Page 20)

These four editing functions can be combined for a variety of editing possibilities.

- When editing or adding titles, close the accidental erase prevention tab to cover the hole.

### (1) Erasing tracks

#### (Erasing one track at a time)

1. In this step mode, display the number of the track to be erased.
   - Either turn the jog dial on the main unit or use the automatic search buttons [反复] and [快速] on the remote control unit to display the number of the track to be erased.
   - This step is unnecessary when you want to erase the currently playing or paused track.

2. Press the EDIT button.
   - “Edit Mode” is displayed.

3. Either turn the jog dial on the main unit or press one of the automatic search buttons [反复] and [快速] on the remote control unit.
   - Display “Track Erase?”

4. Press the ENTER button to erase the track.
   - “Complete” is displayed.
   - The stop mode is set once the operation is completed.
   - During the pause mode, that track is erased.
   - When a track is erased during the pause mode, the stop mode is set after the track is erased.
   - When a track is erased, the numbers of the tracks following that track are all decreased by one.

5. Press the EJECT button ▲
   - The TOC data is written and the disc is ejected.
   - When TOC writing starts, the “TOC” indicator flashes. Do not shake the main unit or press the main unit’s POWER button or remove the power cord while the TOC is being written. If the disc is not recorded properly, it will not be possible to play this disc.
   - The TOC data can also be written by selecting the standby mode by pressing the power button on the remote control unit.

- When erasing two or more tracks, start from the track with the largest number. Since the numbers of the following tracks decrease when a track is erased.
- To cancel the erasing procedure, press the STOP or CLEAR button before step 4 above to display “Track Erase?”.
1. Load the disc you want to erase.

2. In the stop mode, press the EDIT button.
   - "Edit Mode" is displayed.

3. Either turn the jog dial on the main unit or press one of the automatic search buttons \(\ll\) and \(\gg\) on the remote control unit.
   - Display "ALL Erase?".

4. Press the ENTER button.
   - The "Erase OK?" message appears.

5. Press the enter button to erase the track.
   - "Complete" is displayed, then the "Blank Disc" message appears.

6. Press the EJECT button (\(\Delta\)).
   - The TOC data is written and the disc is ejected.
   - When TOC writing starts, the "REC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
   - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

7. When the all erase function is used, both the tracks and the disc title are erased.

8. To cancel the erasing procedure, press the STOP or CLEAR button before step 5 above to display "ALL Erase?" or "Erase OK?".

---

1. In the play mode or pause mode, press the EDIT button.
   - "Edit Mode" is displayed.

2. Either turn the jog dial on the main unit or press one of the automatic search buttons \(\ll\) and \(\gg\) on the remote control unit.
   - Display "A-B Erase?".

3. Press the ENTER button.
   - "A Point in?" is displayed.

4. Press the ENTER button at the position where you want to start erasing (point A).
   - "B Point in?" is displayed.

5. Press the ENTER button again at the position where you want to stop erasing (point B).
   - The section which is to be erased is played and "Position OK?" is displayed.
   - The section at which the track is to be combined is played repeatedly for several seconds.

6. To fine-adjust point A, turn the jog dial on the main unit or use the automatic search buttons \(\ll\) and \(\gg\) on the remote control unit to move point A.
   - "A Point + (point number)" is displayed.
   - Fine-adjustment is possible within the range of \(-176\) to \(+176\) points. (1 point equals approximately 0.012 seconds.)

7. Press the ENTER button to reset point A.
   - "B Point + (point number)" is displayed.

8. To fine-adjust point B, turn the jog dial on the main unit or use the automatic search buttons \(\ll\) and \(\gg\) on the remote control unit to move point B.
   - "B Point + (point number)" is displayed.
   - Fine-adjustment is possible within the range of \(-176\) to \(+176\) points. (1 point equals approximately 0.012 seconds.)

9. Press the ENTER button.
   - "Complete" is displayed.

10. The section at which the track is to be combined is played repeatedly for several seconds.

11. Press the EJECT button (\(\Delta\)).
    - The TOC data is written and the disc is ejected.
    - When TOC writing starts, the "REC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
    - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

- Press the CLEAR button to reset the settings to as they were one step before that point.
- To cancel the erasing procedure, press the STOP or CLEAR button before step 10 above.
(2) Dividing tracks

- A recorded track can be divided, adding a new track number to the second part.
- Use this function to add a track number at the desired position to make it easy to search for that position.

1. Press the PAUSE button at the position at which you want to divide the track.
2. Press the EDIT button.
   - "Edit Mode" is displayed.
3. Either turn the jog dial on the main unit or press one of the automatic search buttons (  and  ) on the remote control unit.
   - Display "Divide?".
4. Press the ENTER button.
   - The position at which the track is to be divided is played and "Position OK?" is displayed.
   - The section at which the tracks have been combined is played repeatedly for several seconds.
5. To fine-adjust the divide position, turn the jog dial on the main unit or use the automatic search buttons (  and  ) on the remote control unit to move the position.
   - Position: (point number) " is displayed.
   - Fine-adjustment is possible within the range of -255 to +255 points. (1 point equals approximately 0.012 seconds.)
6. Press the ENTER button to divide the track.
   - "Complete" is displayed.
7. Press the EJECT button (  ).
   - The TOC data is written and the disc is ejected.

- When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
- The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

- If a divided track is divided, both parts will have the same title.
- To add a divided track back together, see "(2) Dividing tracks" on Page 19.
- To cancel the dividing procedure, press the STOP or CLEAR button before step 6 above.

(3) Combining tracks

- Use this function to combine two adjacent tracks.

1. In the stop mode, display the number of the second of the adjacent tracks.
2. Press the EDIT button.
   - "Edit Mode" is displayed.
3. Either turn the jog dial on the main unit or press one of the automatic search buttons (  and  ) on the remote control unit.
   - Display "Combine?".
4. Press the ENTER button.
   - The tracks to be combined are played and "Combine OK?" is displayed.
   - The section at which the tracks have been combined is played repeatedly for several seconds.
5. Press the ENTER button to combine the tracks.
   - "Complete" is displayed.
6. Press the EJECT button (  ).
   - The TOC data is written and the disc is ejected.

- When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
- The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

- To divide tracks that have been combined, see "(2) Dividing tracks" on Page 19.
- Tracks can also be combined in the same way during the play or pause modes by pressing the EDIT button. In this case, the track at which the pause mode is set is combined with the track before it.
- The title of the combined track is the title of the last of the two tracks if the last track has no title. The title of the second track is used.
- To cancel the combining procedure, press the STOP or CLEAR button before step 5 above.

NOTES:
- Tracks recorded from CDs or MiniDiscs using the digital inputs cannot be combined with tracks recorded using the analog inputs.
- It is not possible to combine a track recorded in stereo with a track recorded in monaural.
- It may not be possible to combine short tracks less than 15 seconds long.
(4) Moving tracks

1. In the stop mode, display the number of the track to be moved.
   - Either turn the jog dial on the main unit or use the automatic search buttons (← and →) on the remote control unit to display the number of the track you want to move.

2. Press the EDIT button.
   - "Edit Mode" is displayed.

3. Either turn the jog dial on the main unit or press one of the automatic search buttons (← and →) on the remote control unit.
   - Display "Move?".

4. Press the ENTER button.
   - Display "DDDD Move C/D?"

5. Either turn the jog dial on the main unit or use the automatic search buttons (← and →) on the remote control unit to specify the number to which the track you want to move is.

6. Press the ENTER button to move the track.
   - "Complete" is displayed.

7. Press the EJECT button (△).
   - The TOC data is written and the disc is ejected.
   - When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
   - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

   - To cancel the moving procedure, press the STOP or CLEAR button before step 6.

(5) Rearranging the tracks in programmed order

1. In the stop mode, press the EDIT button.
   - "Edit Mode" is displayed.

2. Either turn the jog dial on the main unit or press one of the automatic search buttons (← and →) on the remote control unit.
   - Display "Program Move?".

3. Press the ENTER button.
   - "New 01Toc ~ C/D?" is displayed, and the mode for programming a new track as the first track is set.

4. Turn the jog dial on the main unit or use the automatic search buttons (← and →) or the number buttons on the remote control unit to program the track to be moved.
   - For example, to move the track currently third to the first track, specify "324". "New 01Toc ~ C/D?" is displayed. When the ENTER button is pressed, the mode for setting the next track is set and "New 02Toc ~ C/D?" is displayed.
   - To continue programming more tracks, repeat steps 3 and 4.

5. Press the ENTER button.
   - To enter the settings programmed in steps 3 and 4, press the ENTER button while "New C/D Toc ~ C/D?" is displayed.

6. Press the ENTER button while "Prog Move C/D?" is displayed to enter the new program.
   - "Complete" is displayed.

7. Press the EJECT button (△).
   - The TOC data is written and the disc is ejected.
   - When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
   - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

   - Up to 25 tracks can be specified.
   - Press the CLEAR button at step 5 to clear the track number which was last programmed.
   - Press the CALL button at step 8 to check the contents of the program.
   - To cancel the moving procedure, press the STOP or CLEAR button before step 6.

NOTES:
- Tracks which have not been programmed are placed after the programmed tracks.
- It is not possible to program the same track twice.
2. Adding titles

* Up to 100 characters can be input for the track and disc titles.

(1) Adding disc titles

1. Load the disc to which you want to give a title.

2. In the stop mode, press the EDIT button.
   - "Edit Mode" is displayed.

3. Either turn the jog dial on the main unit or use the automatic search buttons (left and right) on the remote control unit to display "Disc Name (n)".

4. Press the ENTER button.
   - The cursor flashes, indicating the title input standby mode.

   Input the title:
   - Either turn the jog dial on the main unit or use the automatic search buttons (left and right) on the remote control unit to select the desired character.
   - Some characters that can be input on the DMD-1000 cannot be displayed on other models.

   The shape of the cursor changes each time the CHARACTER button is pressed.

   [Explanations of cursors]
   - Capital letter/number input mode
   - Small letter/number input mode

   [Available characters and numbers]
   - Capital letter/number input mode:
     ABCDEFGHIJKLMNOPQRSTUVWXYZ
   - Small letter/number input mode:
     abcdedghijklmnopqrstuvwxyz
   - Special character input mode:
     * % & / () + - .. = ? [ ] ^ _ ~

5. Press the EDIT button to enter the input title.

   The set disc title scrolls on the display.

(2) Adding track titles

1. In the stop mode, either turn the jog dial on the main unit or use the automatic search buttons (left and right) on the remote control unit to display "Track Name (n)".

2. Press the ENTER button.
   - The cursor flashes, indicating the title input standby mode.

3. Input the title:
   - For instructions on inputting titles, see step 5 under "Adding disc titles" on Page 21.

4. Press the EDIT button to enter the input track title.

   The set track title scrolls on the display.

   NOTES:
   - Up to 100 characters can be input for the track and disc titles. "Name Full" is displayed if you attempt to input a 101st character.
   - If the title operation is performed with a disc containing titles with over 100 characters input, or another MiniDisc recorded, the characters over the 100th character are erased.
   - A total of approximately 1700 characters can be input for all disc and track titles. "Name Full" is displayed if you attempt to input more characters.
3. Erasing titles

(1) Erasing disc titles

1. Insert the MiniDisc whose title you want to erase into the disc insertion slot.
2. Press the EDIT button in the stop mode while the total number of tracks is displayed.
   - "Edit Mode" is displayed.
3. Either turn the jog dial on the main unit or press one of the automatic search buttons (\(\text{\textless\textless\textless}\) and \(\text{\textgreater\textgreater\textgreater}\)) on the remote control unit.
   - Display "A. Name Erase?".
4. Press the ENTER button to erase the disc name.
   - "Complete" is displayed. 
5. Press the EJECT button (\(\text{\textuparrow}\)) until the disc is ejected.
   - The TOC data is written and the disc is ejected.
   - When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
   - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

(2) Erasing track titles

1. Turn the jog dial on the main unit or use the automatic search buttons (\(\text{\textless\textless\textless}\) and \(\text{\textgreater\textgreater\textgreater}\)) on the remote control unit to display the number of the track whose title you want to erase.
2. Press the EDIT button in the stop mode while the number of the track whose title you want to erase is displayed.
   - "Edit Mode" is displayed.
3. Either turn the jog dial on the main unit or press one of the automatic search buttons (\(\text{\textless\textless\textless}\) and \(\text{\textgreater\textgreater\textgreater}\)) on the remote control unit.
   - Display "A. Name Erase?".
4. Press the ENTER button to erase the track title.
   - "Complete" is displayed.
4. Undoing the last editing operation

**Undo Function**

When using this function you can undo the editing operation last performed and reset the settings so that they were one step before that point. This comes in handy if you make a mistake when editing.

In the step mode, press the EDIT button.
- "Edit Mode" is displayed.

Either turn the jog dial on the main unit or press one of the automatic search buttons ( ▼ ▲ ) on the remote control unit:
- Display "Undo?"
- "Undo" is not displayed if an editing operation has been performed or if the undo operation is not possible.
- The undo function cannot be used in the following cases:
  - Once the TOC data has been rewritten
  - Once the disc has been recorded or edited something new
  - After a power failure
  - After the undo operation has been used once
  - When a file has been input in a mode other than the step mode
  - When the disc recovery function has been used.

Press the ENTER button.
- One of the following messages appears depending on the type of editing operation last performed:
  - When a track or disc title has been input or changed → "Name Undo?".
  - When a track title, disc title, a single track, or part of a track has been erased → "Erase Undo?"
  - When a track has been divided → "Divide Undo?"
  - When tracks have been combined → "Combine Undo?"
  - When the move or program move function has been used → "Move Undo?"

Press the ENTER button to clear the editing.
- "Complete" is displayed.

Press the EJECT button ( △ ).
- The TOC data is written and the disc is ejected.
- When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit; press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
- The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

To set back to the previous setting, press the CLEAR button.
- To cancel the undo operation, press the stop ■ STOP I or CLEAR button before step 4.

5. Reorganizing the MiniDisc's TOC data

**Disc Recovery Function**

When recording or editing has been performed repeatedly, the recordable time may be shorter than the MiniDisc's maximum recording time. If this happens, the contents data (TOC) can be partially reorganized to recover some of the lost space.

In the stop mode, press the RECOVERY button.
- "D. Recovery OK" is displayed.

1. Press the ENTER button.
- "Complete" is displayed.

2. Press the EJECT button ( △ ).
- The TOC data is written and the disc is ejected.
- When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit; press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
- The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

NOTES:
- Due to MiniDisc limitations, the recordable time may not increase with some MiniDiscs.
- This function reorganizes the contents data (TOC). It does not rewrite the audio data.
### 13 USING THE EXTERNAL INPUT MONITOR

This function lets you monitor the external input data being input to the different input jacks using the output jacks.

1. Press the EJECT button to eject the MiniDisc or press the STOP button to stop playback.
2. Select the input signal to be monitored using the input selector switch.
3. Press the EXT. MONITOR button.
   - "Ext. Monitor" is displayed and the selected input signal is output to the output jacks.
   - "Ext. 200 kHz" is displayed when a digital input signal is selected and "Ext. Analog" is displayed when an analog input signal is selected. "200 kHz" indicates the sampling frequency of the digital input signal.
   - If a digital input signal is selected, "Ext. Monitor" is displayed and the ""flashing. Check the connections, referring to "Connections" on Page 5.

*To stop the external input monitor, press the external input monitor button (EXT. MONITOR) again. The external input monitor is also stopped when playback is started or another operation is performed.

### 14 MESSAGES

Messages may appear on the display while using the DMD-1000. The meanings of these messages are explained below.

<table>
<thead>
<tr>
<th>Message</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOC Reading</td>
<td>TOC is being read.</td>
</tr>
<tr>
<td>Blank Disc</td>
<td>Nothing is recorded on the loaded disc.</td>
</tr>
<tr>
<td>Complete</td>
<td>Editing is completed.</td>
</tr>
<tr>
<td>Copy Prohibit</td>
<td>The ECMS (Electronic Copy Management System) prohibits digital copying of that source.</td>
</tr>
<tr>
<td>Digital Unlock</td>
<td>During digital recording, this indicates that signals are not being input properly due to incomplete connection of the digital input jacks, etc.</td>
</tr>
<tr>
<td>Disc Err*</td>
<td>Disc is scratched. No TOC is written on the MiniDisc or the data is defective.</td>
</tr>
<tr>
<td>Disc Full</td>
<td>There is no remaining time on the disc.</td>
</tr>
<tr>
<td>Impossible</td>
<td>There are already 255 tracks on the disc.</td>
</tr>
<tr>
<td>No Name</td>
<td>This indicates that the editing operation is not possible.</td>
</tr>
<tr>
<td>No Track</td>
<td>This means that no title has been input.</td>
</tr>
<tr>
<td>Playback Only</td>
<td>The disc has a title but no tracks on it.</td>
</tr>
<tr>
<td>Protected</td>
<td>This appears when you try to record or edit on a disc for playback only.</td>
</tr>
<tr>
<td>Name Full</td>
<td>The disc is protected against accidental erasure.</td>
</tr>
<tr>
<td>Track Protected</td>
<td>This track cannot be edited.</td>
</tr>
<tr>
<td>Disc ?</td>
<td>Data is defective. MiniDisc does not conform to standards.</td>
</tr>
<tr>
<td>TOC Err*</td>
<td>Disc is scratched. TOC data cannot be read. MiniDisc does not conform to standards.</td>
</tr>
<tr>
<td>Can’t REC</td>
<td>Proper recording was not possible due to shocks or scratched disc.</td>
</tr>
<tr>
<td>Temp Over</td>
<td>Recording is interrupted due to scratched disc.</td>
</tr>
<tr>
<td>Defect</td>
<td>Defect</td>
</tr>
<tr>
<td>Mech Err*</td>
<td>MiniDisc is not functioning properly.</td>
</tr>
<tr>
<td>Not Audio</td>
<td>Non-audio data is recorded on the disc.</td>
</tr>
<tr>
<td>UTOC W Err</td>
<td>Proper TOC data could not be created due to scratched disc.</td>
</tr>
<tr>
<td>UTOC Err*</td>
<td>TOC data recorded on the disc is not to MiniDisc standards or cannot be read.</td>
</tr>
<tr>
<td>Focus Err</td>
<td>Disc is scratched. Player is being used in a shaky, unstable place.</td>
</tr>
</tbody>
</table>

("*" indicates a letter or character)
15 SYSTEM LIMITATIONS

The recording method used on MinDisc IMDI systems is different from conventional recording methods. Because of this, there are several system limitations. Note that the following are not malfunctions.

1. Track number limitations
   - Up to 255 tracks can be recorded on blank discs or discs with no tracks on them when the tracks are recorded in order starting from track 1. If a disc has been added repeatedly, however, it may not be possible to record 255 tracks on the disc.
   - If there is excessive data or other signals between tracks during digital recording, this will be treated as a break within the track; the track number will not change, and recording may not be possible, regardless of the recording time or number of tracks.

2. Recording limitations
   - If 255 tracks are already recorded on the disc, no further recording is possible, even if the remaining time is less than the maximum recordable time.
   - If recording is performed in units of about 2 seconds. About 2 seconds of disc space is used even if the section is less than 2 seconds long. Thus, the actual recordable time becomes shorter.
   - If there are scratches on the disc, recording is not possible in the scratched sections, and the recordable time decreases accordingly.
   - When recording and recording on the CD, depending on the recording and the number of tracks on the MinDisc is automatically increased.

3. Editing limitations
   - In some cases, it is not possible to combine short tracks into a single track.
   - There may be breaks in the sound during manual search on MinDiscs which have been recorded or edited repeatedly.

16 TROUBLESHOOTING

Check the following before assuming there is a problem with the unit.
- Are connections proper?
- Are operating procedures as described in the operating instructions correct?
- Is the main power switch on the rear panel turned on?
- If the set does not sound even if operating properly, check the items listed on the table below.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Measure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set does not operate</td>
<td>No disc is loaded</td>
<td>Load a disc</td>
<td>9</td>
</tr>
<tr>
<td>Disc does not record</td>
<td>Composition is wrong</td>
<td>Check the connection</td>
<td>5</td>
</tr>
<tr>
<td>Disc number not displayed</td>
<td>No track</td>
<td>Replace with a recorded disc</td>
<td>34</td>
</tr>
<tr>
<td>Recording is not possible</td>
<td>Disc is displayed</td>
<td>Replace the disc</td>
<td>4, 24</td>
</tr>
<tr>
<td>Power is not supplied</td>
<td>There is no remaining time on the disc</td>
<td>Replace the disc</td>
<td>24</td>
</tr>
<tr>
<td>Power supply is not supplied</td>
<td>Recording is not possible</td>
<td>Replace the disc</td>
<td>24</td>
</tr>
<tr>
<td>Power consumption is not supplied</td>
<td>Power consumption is not supplied</td>
<td>Use analog recording</td>
<td>12, 24</td>
</tr>
</tbody>
</table>

17 MAIN SPECIFICATIONS

- Type: MinDisc digital audio system
- Wow & Flutter: Below measurable limits (±0.001 %, peak to peak)
- Sampling Frequency: 44.1 kHz
- Recording Method: Magnetic modulation recording
- Light Source: Semiconductor
- Signal-to-Noise Ratio: 105 dB
- Dynamic Range: -98 dB
- Power Supply: AC 230 V, 50 Hz
- Maximum External Dimensions: 434 (width) x 134 (height) x 340 (depth) mm (including feet, controls, and terminals)
- Weight: 6.4 kg

For improvement purposes, specifications and design are subject to change without notice.

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