

B
operating instructions

DMD-S10

MiniDisc Recorder

MiniDisc Recorder

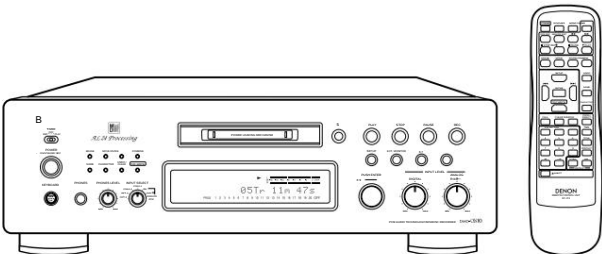


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To ensure safe use, please be sure to follow these instructions

- Thank you for your purchase.
- Please read this instruction manual carefully and follow the instructions carefully before use.
Please use it properly.
After reading it, it may be useful to you later .
So be sure to save it.

1. Precautions for Use

Please be sure to read this instruction manual carefully before use to ensure correct and safe use.

About pictorial symbols

This instruction manual and product labels use various pictorial symbols to ensure safe and correct use of the product and to prevent injury to yourself or others and damage to property. The pictorial symbols and their meanings are as follows. Please read the main text only after fully understanding the contents.



caveat

This symbol indicates that ignoring this symbol and handling the product improperly may result in imminent danger of death or serious injury.



Note

This symbol indicates that ignoring this symbol and mishandling the product may result in personal injury or property damage.

Examples of pictorial symbols



△ This symbol indicates that there is content that requires attention (including danger and warning). The specific precautions to take (in the left image, caution against electric shock) are shown in the diagram.



⊘ The symbol indicates that an action is prohibited. The specific prohibition (in the case of the left image, disassembly is prohibited) is written in or near the image.



● The symbol indicates an action or gives instructions. The specific instruction is written inside the picture (in the left image, unplug the power cord from the outlet).



caveat

Safety precautions

If an abnormality occurs, immediately unplug the power plug. Continuing to use the product in an abnormal state, such as when smoke is coming out, there is a strange smell, or an abnormal sound, may result in a fire or electric shock. Immediately turn off the power to the main unit, unplug the power plug from the outlet, and make sure that smoke has stopped before requesting repairs from your dealer. Please do not attempt to repair the product yourself as this is dangerous.



Unplug the power cord from the outlet.

Do not insert or drop metal objects

or flammable objects into the unit through the disc insertion slot or other areas. This may result in fire or electric shock. Please be especially careful in homes with children. If a foreign **object does get inside** the unit, first turn off the power to the unit, unplug the power cord from the outlet, and contact your retailer.



Be especially careful when using the product in the rain, snow, on the beach, or near water **to avoid getting it wet or getting it wet**. This can cause fire or electric shock.



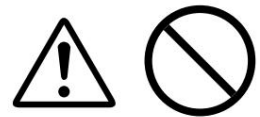
Precautions for use (continued)



Warning continued

Safety precautions

Please take **good care** of the power cord and do not scratch, damage or modify it. Placing a heavy object on the power cord, heating it or pulling on it may damage the power cord, which may result in a fire or electric shock. If the power cord is damaged, immediately contact your retailer to have it replaced.



Do not remove the cabinet (top and back covers) or modify the unit. There are high voltage parts inside, which may cause electric shock if touched. Ask your dealer to inspect, adjust, or repair the unit. Do not modify this unit. Doing so may cause fire or electric shock.



Do not use **the product** with any voltage other than the voltage indicated on the product's website, as this may result in fire or electric shock.



When using the AC outlet, make sure that the total power consumption of the devices connected does not exceed the indicated power supply. This may cause a fire. Also, even if it is within the power supply, do not connect devices that draw a large current when turned on (electric heating appliances, hair dryers, induction cookers, etc.).



If thunder starts to rumble, do not touch the antenna wire or power plug as this may result in electric shock.



Do not recharge dry batteries as they may explode or leak, causing a fire or injury.



If the unit is dropped or the cabinet is damaged, first turn off the power to the unit, unplug the power cord from the outlet, and contact your dealer. Continuing to use the unit in this condition may result in a fire or electric shock.



Handling

Do not use in the bath or shower room as it may cause fire or electric shock.



Prohibited use in water areas

Do not place vases, flower pots, cups, cosmetics, chemicals, water or other containers on this device. If these substances are spilled or get inside the device, it may result in a fire or electric shock.



Do not place small metal objects on this device. If a foreign object does get inside the device, first turn off the power to the device, unplug the power cord from the outlet, and contact your retailer. If you continue to use the device in this condition, it may result in a fire or electric shock.



Precautions for use (continued)

Note

Safety precautions

Do not place the power cord near a heat source

as this may cause the cord's insulation to melt and result in a fire or electric shock.



When unplugging the power plug,

always pull on the plug and not on the power cord, as this may damage the cord and result in a fire or electric shock.



Do not insert or remove the power plug with wet hands as

this may result in electric shock.



Please be careful **not to let small children put**

their hands in the disc insertion slot, as this may result in injury. If your hand gets caught in the slot, immediately turn off the power to the unit, unplug the power cord from the outlet, and contact your retailer.



Be careful not to get your fingers pinched

Do not look at the laser light source. Laser

light may cause vision problems if it hits your eyes.



When replacing the batteries, pay

attention to the polarity indications and insert them correctly as indicated. Inserting the batteries incorrectly may result in the battery exploding or leaking, which may cause a fire, injury, or damage to the surrounding area. Do not use batteries other than those specified. Also, do not mix new and old batteries. Batteries may explode or leak, which may cause a fire, injury, or damage to the surrounding area.



When connecting devices such as televisions, audio equipment, video equipment, and speakers, turn off the power and connect according to the instruction manual for each device. Also, use the **specified cords for connection**. Using cords other than those specified or extending the cords may cause them to heat up and cause burns.



Before turning on the power, please set the volume to

minimum to avoid sudden loud noises that may cause hearing damage.



About the location

Do not place the product in the following

locations, as this may result in fire or electric shock:

- Near a kitchen counter or humidifier, or other locations exposed to oily smoke or
- steam. Humid or dusty locations.
- Locations exposed to direct sunlight or near heating appliances or other locations that become hot.



Do not place on an unstable

surface. Do not place on an unstable surface such as a wobbly stand or a sloped surface. It may fall or tip over and cause injury.



Precautions for use (continued)



Caution continued

About the location

Install the unit at a distance from walls and other

devices . Install the unit at a distance from walls. Also, to allow for better heat dissipation, leave a small gap between the unit and other devices. When installing the unit in a rack, leave a small gap at the top and back of the unit. Otherwise, heat may build up inside the unit and cause a fire.



Handling

Do **not climb or hang from this device**, especially if there are small children in your home. It may fall over or break, resulting in injury.



Do not place heavy objects

on the device. Do not place heavy objects or large objects that protrude from the outer frame on the device. This may cause the device to lose balance and tip over or fall, resulting in injury.



When moving the unit ,

first turn off the power, unplug the power cord from the outlet, and remove external connection cords such as antenna cables and connection cords between devices. Doing so may damage the cords and result in a fire or electric shock. Do not move the unit with a television or other items placed on it. The unit may tip over or fall, resulting in injury.



When not in use

For safety reasons , **when you are going**

out or traveling for an extended period of time , be sure to unplug the power cord from the outlet to avoid causing a fire.



About maintenance

For safety, unplug the

power cord from the outlet **before cleaning the product** . This may result in electric shock.



Consult your retailer **to have the**

interior cleaned once every five years . If dust accumulates inside the unit and the unit is not cleaned for a long period of time, it may cause a fire or malfunction. It is especially effective to clean the unit before the rainy season when humidity levels are high. Consult your retailer regarding the cost of cleaning the interior.



2. Handling Precautions

Condensation phenomenon

is Condensation

the phenomenon in which water droplets form on the window glass of a heated room during the winter.

Condensation can occur when

the unit is brought from outdoors into a heated room in winter, or when the room temperature is suddenly raised by using a heater, causing condensation to form on the internal moving parts of the unit, which can cause it to not function properly. Condensation can also occur in summer in places where the unit is directly exposed to the wind from an air conditioner. If this occurs, try moving the unit to a different location.



- If **condensation** occurs, leave the unit turned on for a while. It will return to normal operation in 1 to 2 hours, depending on the surrounding conditions.

Precautions when installing

- Do not place a television (including a small television) or other objects on top of this unit.

If stripes appear on the TV broadcast screen

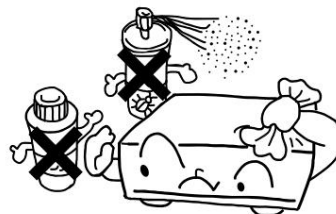
- Depending on the signal strength of the TV broadcast, stripes may appear when watching a TV broadcast with the power of this unit turned on, but this is not a malfunction of this unit or the TV. When watching a TV broadcast, turn off the power of this unit.

When receiving FM or AM broadcasts

- When receiving FM or AM broadcasts, noise may occur in the received sound if the power of this unit is turned on. Turn off the power of this unit when not in use.

Care instructions

- When wiping off any dirt on the cabinet or operation panel, use a soft cloth to gently wipe it off.
- When using chemical cleaning cloths, please follow the instructions that come with the cloth.
- Do not use organic solvents such as benzene or paint thinner insecticides as they may cause deterioration or discoloration if they come into contact with the unit.



When not in use

- When **not in use**, be sure to remove the mini-disc and turn off the power. When going out or traveling, be sure to unplug the power plug from the outlet.



- When moving the product Do not subject it to impact.



- Be sure to remove any mini-discs and check that the connection cord has been disconnected before proceeding.

Etiquette for Stereo Sound:



- Enjoyable music can be distracting depending on the time
- and place. Please be considerate of your neighbors. The
- volume of your stereo can be as loud or as low as you like.
- Especially at night, when it is quiet, even small sounds can easily pass through. Please be especially careful when listening to
- music at night. One way to avoid this is to close the windows or use headphones.
- Let's be considerate of each other and maintain a comfortable living environment.

3 Features of this machine

This is an audio device that uses the MiniDisc format, and is Denon's highest-end MiniDisc recorder that incorporates the latest digital technology. MiniDiscs can record up to 74 minutes (stereo recording), and the operability is the same as that of a Compact Disk (CD). In addition, it is equipped with AL24 Processing, an analog waveform reproduction technology developed with an eye on next-generation media, on the recording and playback sides, and furthermore, it uses a multi-24bit D/A converter to make the most of the high quality of AL24 Processing and perform D/A conversion.

1. 24-bit processing for both digital and analog recording

AL24 Processing is an analog waveform reproduction technology that inherits the technology of our conventional ALPHA Processing, further reducing quantization distortion and being developed to be compatible with the high bit and high sampling rates of next-generation media.

AL24 Processing uses the input digital data as a clue, interpolates the digital data so that the sound approaches the analog waveform that would have existed in the natural world, and reproduces it with 24-bit quality, improving the music playback capabilities at low-level playback, such as the moment when the music quietly fades away or the moment when silence begins. This unit uses AL24 Processing to expand the digital input signal to 24 bits for recording. For analog input signals, a 24-bit, 128x oversampling A/D converter that uses the enhanced dual-bit method is used. 24-bit processing for both digital and analog inputs enables faithful recording even at low levels.

2. Equipped with high precision Multi-24bit D/A Converter

The playback side is also equipped with AL24 Processing, and a multi-24bit D/A converter is used to faithfully convert the 24bit high quality data obtained by AL24 Processing into an analog signal. The multi-24bit D/A converter is less susceptible to fluctuations in the power supply voltage (current), and the in-band quantization distortion level is constant regardless of frequency, allowing you to enjoy clear sound reproduction with little noise. Furthermore, this D/A converter is configured in a 4DAC configuration, with two per channel used differentially, which, combined with the theoretical elimination of zero-cross distortion, allows even the smallest signals to be transparent, and even the nuances of music to be expressed.

3. Thorough vibration-proof structure

The mechanical unit is laid out in a center location that is less susceptible to the effects of external vibrations. A 15mm thick front panel, double top cover, and triple bottom cover ensure high rigidity, and large insulators made of sintered alloy with vibration-absorbing material attached are used. The transformer, which is the source of vibration, is floated with special rubber to thoroughly prevent the effects of external and internal vibrations on sound quality. In addition, the high-rigidity chassis is copper-plated to prevent interference from high-frequency noise.

4. Equipped with easy-to-use editing direct keys and keyboard input terminal

The keys are arranged according to function for editing operations such as dividing, joining, moving, and entering names. Editing mode can be entered directly with one key, improving the operability of editing operations. In addition, a connector for connecting an IBM PC-compatible keyboard (sold separately) is provided. Using a keyboard, you can not only enter names but also control the unit.

5. Equipped with sampling rate converter and digital recording level adjustment volume

You can enjoy direct digital input recording from DAT, CS/BS broadcasts (32kHz, 48kHz), etc., which have a sampling frequency different from that of CD and MD (44.1kHz). You can also adjust the recording level (volume) of the digital input signal to eliminate volume differences and create minidiscs with consistent levels.

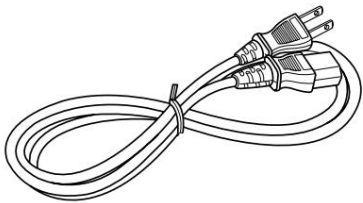
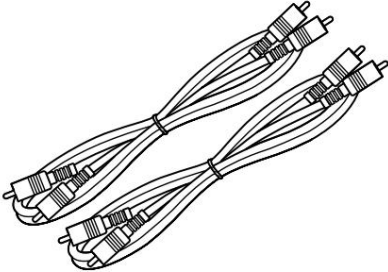
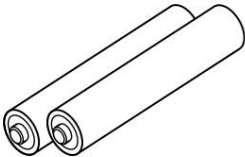
6. Abundant input/output terminals and external monitor function

In addition to analog input/output terminals, the unit is equipped with two optical input terminals, two coaxial input terminals, one optical output terminal, and one coaxial output terminal to accommodate the growing number of digital sources such as CD, MD, DVD, and CS/BS broadcasts.

Taking advantage of the unit's high sound quality design, the unit is also equipped with an external monitor function that can be used as a D/A converter. The external monitor supports input with a sampling frequency of 96 kHz and 24 bits.

4. Accessories

• The following accessories are included in addition to the main unit. Please check before use.

Power cord 1 bottle 	Pin plug cord 2 bottles 	Instruction manual (this manual) 1 book Service Network List 1 sheet Warranty (It is attached to the packaging box)
Remote control (RC-274) 1 piece 	AA battery 2 bottles 	

Note

- The illustrations used in this manual are for the purpose of explaining how to use the product and may differ from the actual product.

5 How to connect

Note

- Do not disconnect the power plug from the outlet until all connections are complete .

Do not insert into the cent.

Check the left and right channels, then set L and L correctly .

Connect R and R.

 - Make sure the power plug is inserted securely.

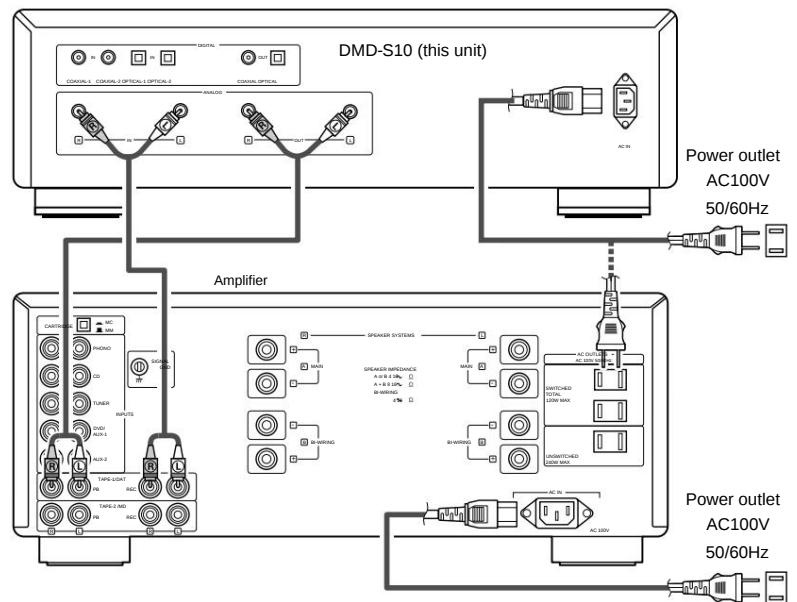
Inserting it completely may cause noise.
- If you bundle the power cord and connection cord together, This may cause hum or noise.
 - If the power plug is once unplugged from the outlet Wait about 5 seconds, then plug it back in. Please insert it into

How to connect (continued)

(1) Analog input/output terminal connections

When connecting the analog input/output terminals, use the included pin-plug cord.

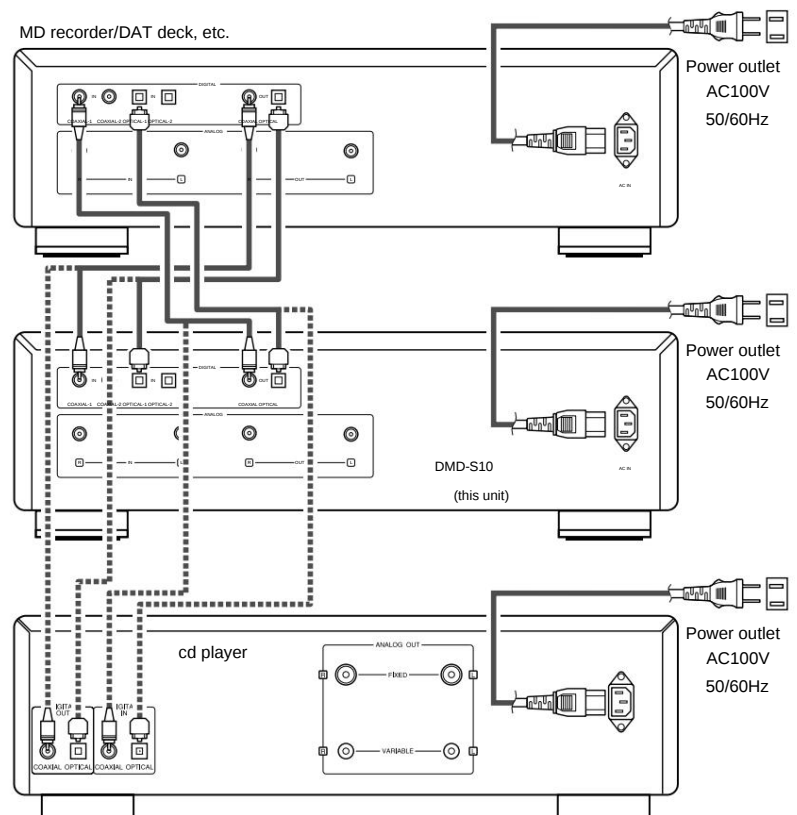
- 1) Connect the analog output terminal (ANALOG OUT) of this unit to the input terminal (MD or TAPE) of the amplifier.
- 2) Connect the analog input terminal (ANALOG IN) of this unit to the output terminal (MD or TAPE) of the amplifier.



(2) Digital input/output terminal connection

- When connecting the digital input/output terminal (OPTICAL), use a commercially available optical fiber cord. When connecting the digital input/output terminal (COAXIAL), use a commercially available 75 Ω pin plug cord.

- 1) Connect the digital output terminal (DIGITAL OUT OPTICAL or COAXIAL) of this unit to the digital input terminal (OPTICAL or COAXIAL) of an MD recorder, DAT deck, etc.
- 2) Connect the digital input terminal (DIGITAL IN OPTICAL or DIGITAL IN COAXIAL) of this unit to the digital output terminal (OPTICAL or COAXIAL) of a CD player, MD recorder, DAT deck, etc.



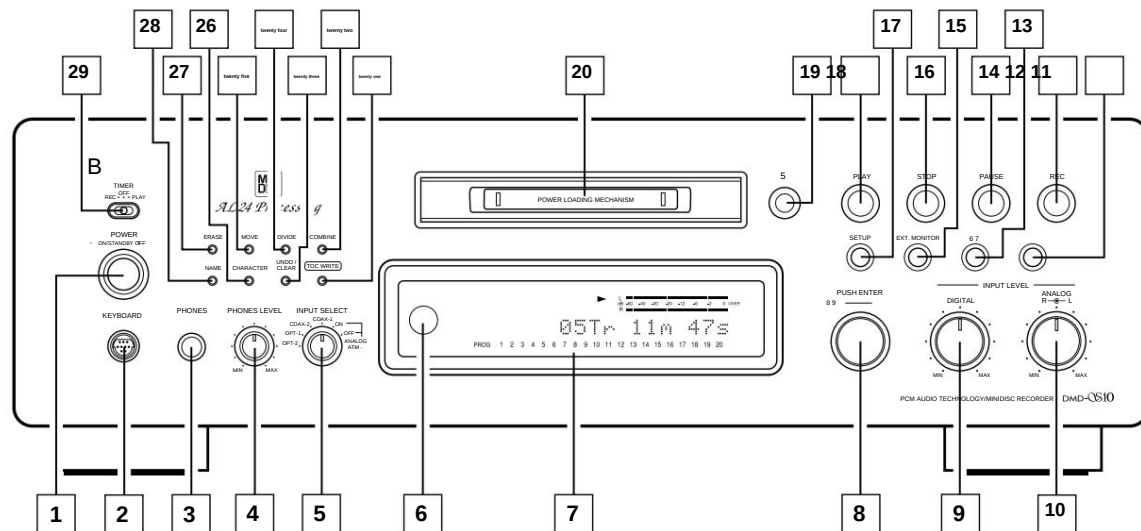
(3) Connecting the power cord

The power cord included with this unit has polarity indicated. Select the power outlet that best suits your needs.

Please insert it into

6 Names and functions of each part

(1) Front Panel



1 Power button (POWER)

- When changing from OFF (£) to ON (¢),
The power will turn on.
- Change from ON (¢) to OFF (£).
will turn off.
- When the remote control is in the ON (¢) state,
The power button (POWER) switches the unit between on and standby.
You can switch to standby mode.
When in this state, the "OFF" symbol will be displayed.
The indicator lights up.

When a mini disc is inserted during standby

When you insert the disc into the player, the power will automatically turn on and the mini disc will

Also, if a mini disc is inserted,
When

The power will not turn on automatically even if you press the
The source comes in and performs its function.

Note

- Turn off the power button (POWER) of this unit.

When the power cord is turned on or the power plug is removed from the
Recording and editing can be done even when the
To store the table of contents (TOC) information
It has a backup function.

When using the backup function, make sure that the power is turned on in advance .

Press the POWER button for about 15 minutes.
Please power it on before using it.

- This backup time is 2 to 3 days.

Therefore, please write the TOC immediately after recording and editing.
Please back up your data.

If the power is cut off, the recording or editing will be lost.
It will be erased and cannot be recovered (see page 19).

2 Keyboard input terminal (KEY BOARD)

- Connect the optional IBM PC compatible 106 keyboard.
You can operate or enter characters by
(See pages 53 to 55.)

3 Headphone jack (PHONES)

- When enjoying with headphones (sold separately)
Use for.

4 Headphone volume knob (PHONES LEVEL)

- Adjust the headphone output level (volume)
I use it sometimes.

5 Input selector knob (INPUT SELECT)

- Used to switch the recording input source
(See pages 33 and 34.)

* You cannot switch during recording.
Switch to paused or stopped.

6 Remote control sensor (REMOTE SENSOR)

- Insert the included remote control (RC-274) into this receiver.
Please aim and operate.

7 display

- Please see pages 14 and 15.

8 Jog Dial

- Used to cue up songs and perform editing operations
I will.
When entering a title , enter the characters
You can choose.
Press to confirm the selection of the setup mode and

Names and functions of each part (continued)

☐ **Digital recording level adjustment**

(DIGITAL INPUT LEVEL) Adjusts the recording level (volume) of the digital input signal . This is used to adjust the volume. The adjustable range is -6 to +12 dB. (See page 34.)

☐ **Analog recording level adjustment**

(ANALOG INPUT LEVEL) Adjusts the recording level (volume) of the analog input signal. Use this when adjusting the The input levels of both channels can be adjusted independently (see page 33).

☐ **11 Manual search forward button (7)** Press to fast forward playback (see page 29) .

☐ **Recording button (REC) 12 •**

Press this to start recording. • Pressing only the recording button will put the device into recording pause mode. It will be. When recording is paused, press the play button Press (PLAY) to begin recording.

☐ **13 Manual search reverse button (6) •** Press to fast-reverse playback (see page 29).

☐ **Pause button (PAUSE) 14 •**

Press this to temporarily pause playback or recording. * To resume playback or to start recording from a paused state, press the Play button (PLAY).

☐ **External Input Monitor Button**

15 (EXT. MONITOR) • Press this button to monitor the input signal selected with the input selector knob (INPUT SELECT) at each output terminal of this unit (see page 52).

☐ **STOP button 16 •** To stop playback or recording, or to start editing Press to cancel an operation.

☐ **Setup button (SETUP) 17 •** You can set and change the sync recording level, fade in/out time, memory recording time, etc. (See pages 21 to 26.)

☐ **PLAY button 18 •** Press this start playback or recording of a MiniDisc. * Press this during recording to change the track number.

☐ **Eject button (5) 19 •** Press to eject a mini disc.

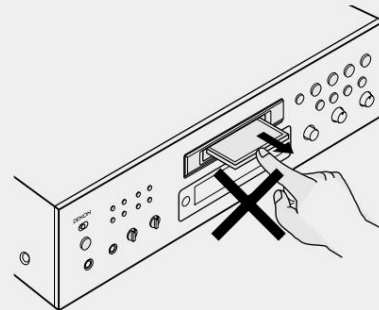
☐ **a Disc slot 20** When mini disc is inserted , it is automatically retracted. Masu.

* **Please insert the mini disc in the correct direction, as this may damage the device.**

Caution when removing a MiniDisc

After pressing the eject button (5), do not push the mini-disc back in while it is coming out .

When reinserting a mini disc, wait until the mini disc stops moving out before pushing it back in.



☐ **TOC WRITE button •** When pressed during stop, the table of contents (TOC) can be written onto the mini-disc (see page 19).

When you repeatedly record and edit, the available recording time may become shorter than the maximum recording time of the MiniDisc. In this case, you can press the button to organize the table of contents (TOC) and increase the available recording time.

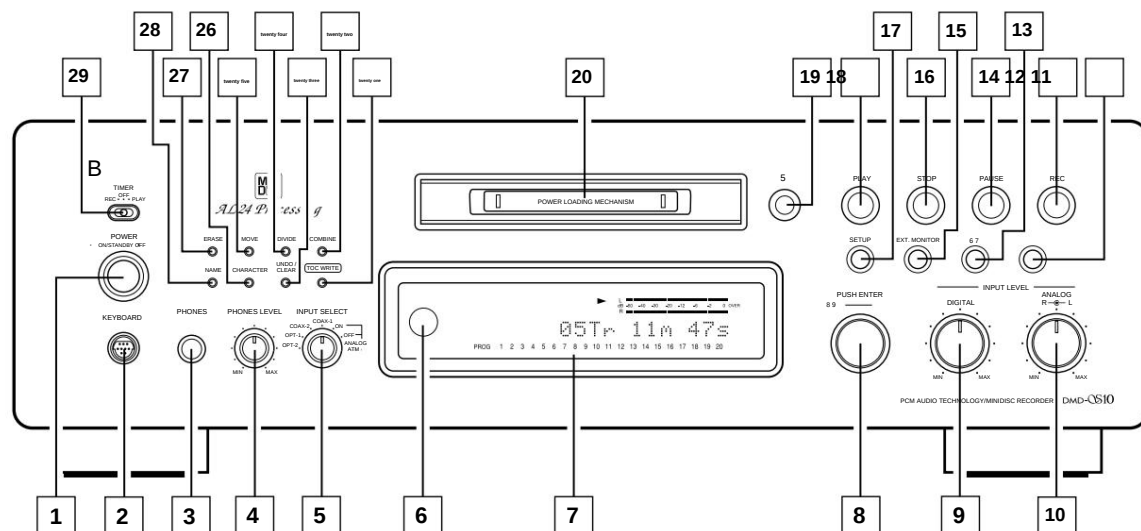
* Recording is possible depending on the minidisc used . You may not get more time.

* Once you perform a track write, you will no longer be able to undo it.

☐ **Combine button (COMBINE) 22 •** Combine two consecutive songs to make one song. Yes, you can (see page 43).

Names and functions of each part (continued)

(1) Front Panel (continued)



23 Undo/Clear button

(UNDO/CLEAR)

When pressed while stopped, the last edited content

You can cancel the previous edit and return to the previous edit.

(See page 48.)

When pressed during program selection, the programmed song

You can cancel the song.

Divide button (DIVIDE)

- You can divide a single recorded song.

(See page 43)

Move button (MOVE)

You can rearrange the songs you have recorded .

(See page 44)

26 Character button (CHARACTER)

When entering a title, you can select uppercase/lowercase English letters .

Switch to characters, special characters or katakana characters

Press this button when you want to change the setting. (See page 45.)

27 Erase button (ERASE)

- Song, disc or track title

You can erase it (see pages 41 and 42).

28 Name button (NAME)

You can enter the title of the disc or track .

(See pages 45 and 46.)

29 Timer changeover switch (TIMER)

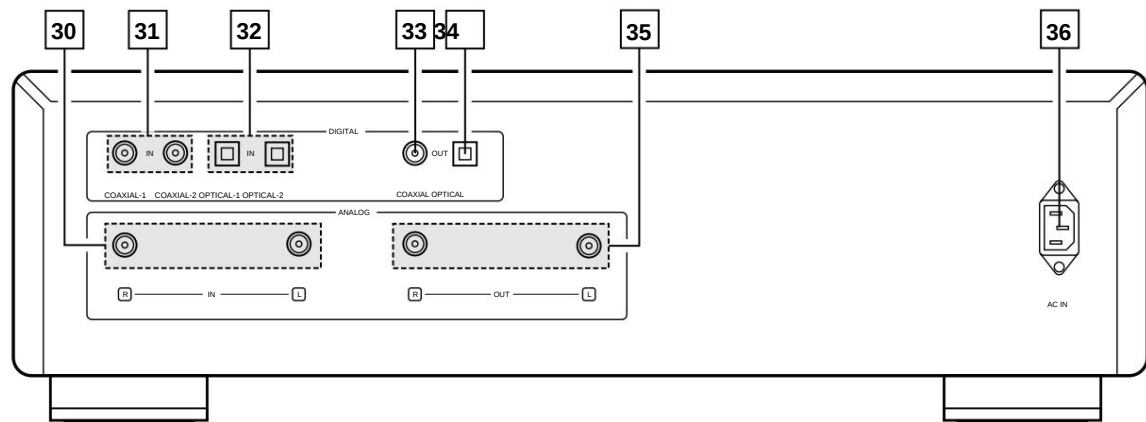
- Combine with the audio timer (sold separately)

Used for timer playback/recording.

(See pages 39 and 40.)

Names and functions of each part (continued)

(2) Rear panel



☐ Analog input terminal (ANALOG IN) 30 •

Connect to the amplifier output terminal (MD or TAPE)

I will.

- You can record audio from other devices connected to the amplifier with this unit. In this case, set the input selector knob (INPUT SELECT) to "ANALOG."

☐ Digital input terminal

31 (DIGITAL IN COAXIAL-1, 2) • Inputs

digital data. • Used to input digital

data from a CD player, BS broadcast tuner, CS

broadcast tuner, DAT deck or other equipment other than this unit.

By connecting to the digital output terminal (COAXIAL) of an MD recorder, etc., you can record digital data from these devices. Since two systems can be connected, set the input selector knob (INPUT SELECT) to either "COAX-1" or "COAX-2."

☐ Digital input terminal

32 (DIGITAL IN OPTICAL-1, 2) • Digital

data is input optically. • CD player, BS

broadcast tuner, CS broadcast tuner, DAT deck or other equipment other than this unit.

By connecting to the digital output terminal (OPTICAL) of an MD recorder, etc., you can record digital data from these devices. Since two systems can be connected, set the input selector knob (INPUT SELECT) to "OPT-1" or "OPT-2."

- * Digital data cannot be recorded from sources that prohibit digital copying. ("Copy Prohibit" is displayed.)

☐ Digital output terminal

33 (DIGITAL OUT COAXIAL) • Outputs

digital data. • Except for the

sampling frequency of 96 kHz during external input monitoring, this unit outputs all digital output data at a sampling frequency of 44.1 kHz during playback, recording, etc. • Connect

to the digital input terminal (COAXIAL) of an MD recorder or DAT deck other than this unit.

☐ Digital output terminal

34 (DIGITAL OUT OPTICAL) • Outputs

digital data optically. • Except for the

sampling frequency of 96kHz during external input monitoring, this unit outputs all digital output data at a sampling frequency of 44.1kHz during playback, recording, etc. • Connect

to the digital input terminal (OPTICAL) of an MD recorder or DAT deck other than this unit.

☐ Analog output terminal (ANALOG OUT) 35 •

Connect to the amplifier's input terminal (MD or TAPE)

I will.

☐ Power input connector (AC IN) 36 •

Connect the included power cord here. •

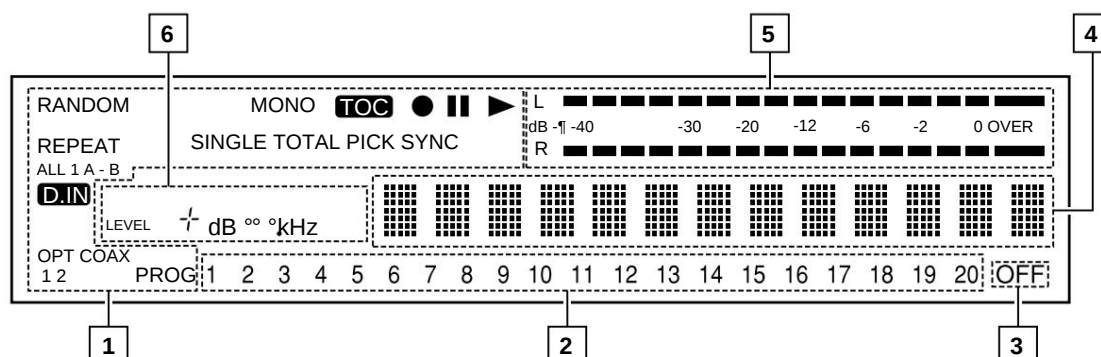
Do not use any power cord other than the one provided.

Note

- Power input connector earth terminal (GND) is not connected.

Names and functions of each part (continued)

(3) Display



1 Various mode display

section : Displays the status of various modes.

RANDOM:

Lights up during random playback.

MONO:

Lights up when the recording mode is mono.



: indicator lights when editing operations such as recording, erasing and title input are being performed and the disc contents are being changed. It also flashes when the changed contents are being recorded. While this indicator is flashing, do not vibrate the unit, press the unit's power button (POWER) or unplug the power cord from the outlet. Doing so may damage the recorded contents. **4:**

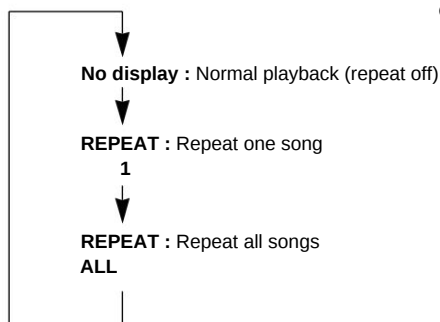
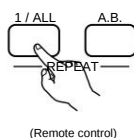
Lights during recording or when recording is paused. **3:**

Lights during pause. Also flashes during manual search during pause. **1:** Lights during playback or

recording. Also flashes during manual search during playback.

REPEAT ALL,1:

Each time you press the REPEAT 1/ ALL button on the remote control, it lights up as follows:

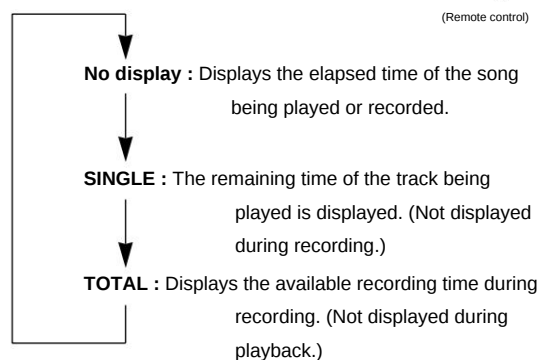
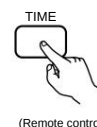


REPEAT AB:

Lights up during A-B repeat playback.

SINGLE,TOTAL:

Each time you press the TIME button on the remote control, it lights up as follows:



PICK:

Lights up when in Pick-Record mode. Blinks when the song being played is being picked (recorded), lights up when the song is not being picked (recorded) (see pages 49-51).

SYNC:

Lights up when the recording mode is synchronized recording mode (see page 37).

D.IN :

This indicator lights up when a digital input is selected. If it flashes during recording, it is because digital data is not being input correctly. If this occurs, check the connection of the digital input terminal and the operation of the connected device.

OPT 1,2/COAX 1,2:

When digital input is selected, the input source is lit, when analog input is selected, it is off.

PROG:

Lights up during program selection and program playback.

Names and functions of each part (continued)

2 **Music calendar display** : Displays up to 20

track numbers recorded on the minidisc. Each time a track finishes playing, the track number goes out.

Masu.

When the track number changes during recording, the next track number lights up

I will.

- When programming, the track number of the programmed track is displayed.
- When there is no MiniDisc, or the MiniDisc information could not be read correctly, 1 to 20 will all light up.
- When pick-recording, the track number of the selected (to be recorded) track will light up.

3 **Standby indicator** :

Lights up when in standby mode.

4 **Multi-display**

section : Displays the number of songs, song numbers, playing time, titles, various operation details, messages, etc.

5 **Level meter display** :

Displays the playback level during playback and the recording level during recording.

6 **Sampling frequency, sync level display** When

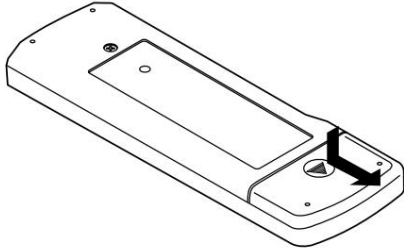
recording digital input, this displays the sampling frequency of the digital input signal.

7 About the remote control

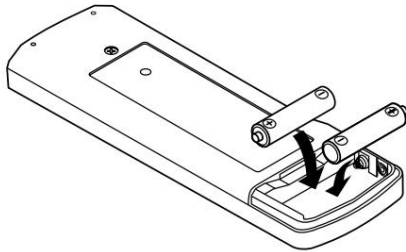
• You can control this unit from a distance using the included remote control (RC-274).

(1) How to insert batteries

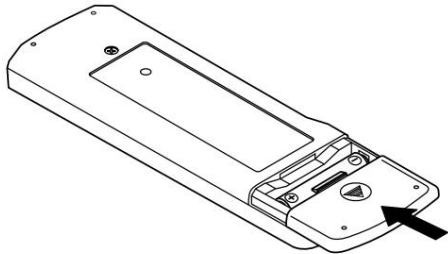
• Remove the back cover of the remote control.



• Insert two AA batteries into the battery compartment according to the indications.



• Put the back cover back in place.



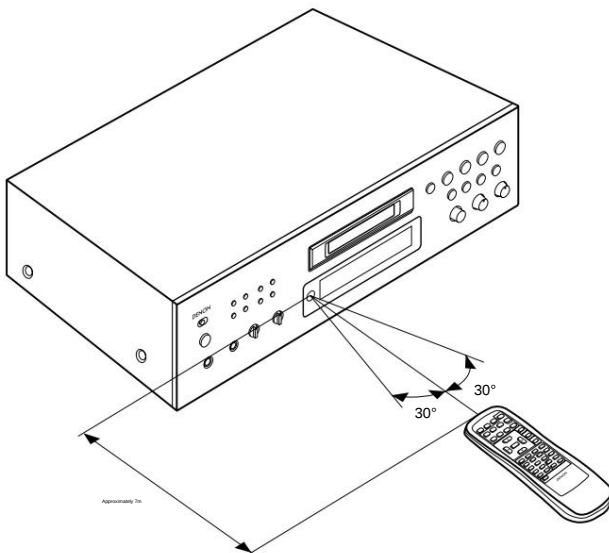
Caution regarding dry batteries

- Use AA batteries for the remote control.
- Although it depends on how often you use the remote control, replace the batteries with new ones approximately once a year.
- If the unit does not work when you use the remote control near it, even if it has not been a year since the batteries were used, replace them with new ones.
- When replacing with new batteries, remove the old batteries from the remote control and wait about 2 minutes before inserting the new batteries.
- When inserting the batteries, make sure to insert them correctly, aligning the < and > sides as indicated in the battery compartment of the remote control.
- To avoid damage or leakage, Do not mix new and used batteries. Do not mix different types of batteries.

Sai.

- Do not short-circuit, disassemble, heat or throw the batteries into a fire.
- If you will not be using the remote control for a long period of time, remove the batteries.
- In the unlikely event that the batteries leak, thoroughly wipe off any liquid inside the battery compartment before inserting new batteries.

(2) How to use the remote control



- Point the remote control at the remote control receiver as shown in the figure. Please use it.
- The remote control can be used up to a distance of about 7 m in a straight line, but the reception distance will be shorter if there is an obstacle or if the remote control is not facing the remote control sensor.

The remote control can be operated within a range of up to about 30° left and right of the remote control sensor.

Note

- If direct sunlight or strong light from a lighting fixture hits the remote control signal receiver, or if there is an obstacle between the remote control signal receiver and the remote control, the remote control may not work properly.

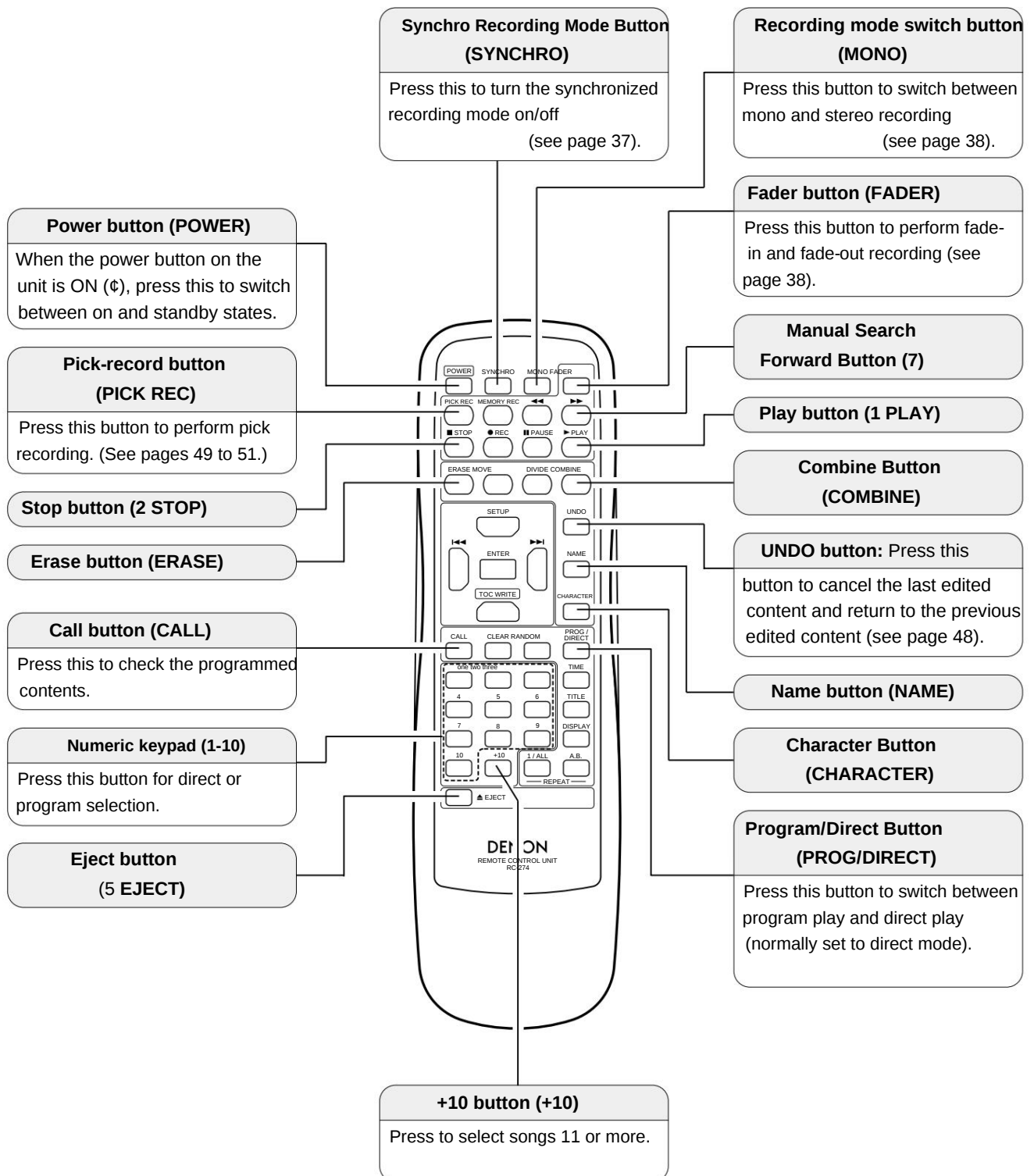
Do not press the operation buttons on the unit and the remote control at the same time, as this may cause a malfunction.

About the remote control (continued)

(3) Remote control button names and functions

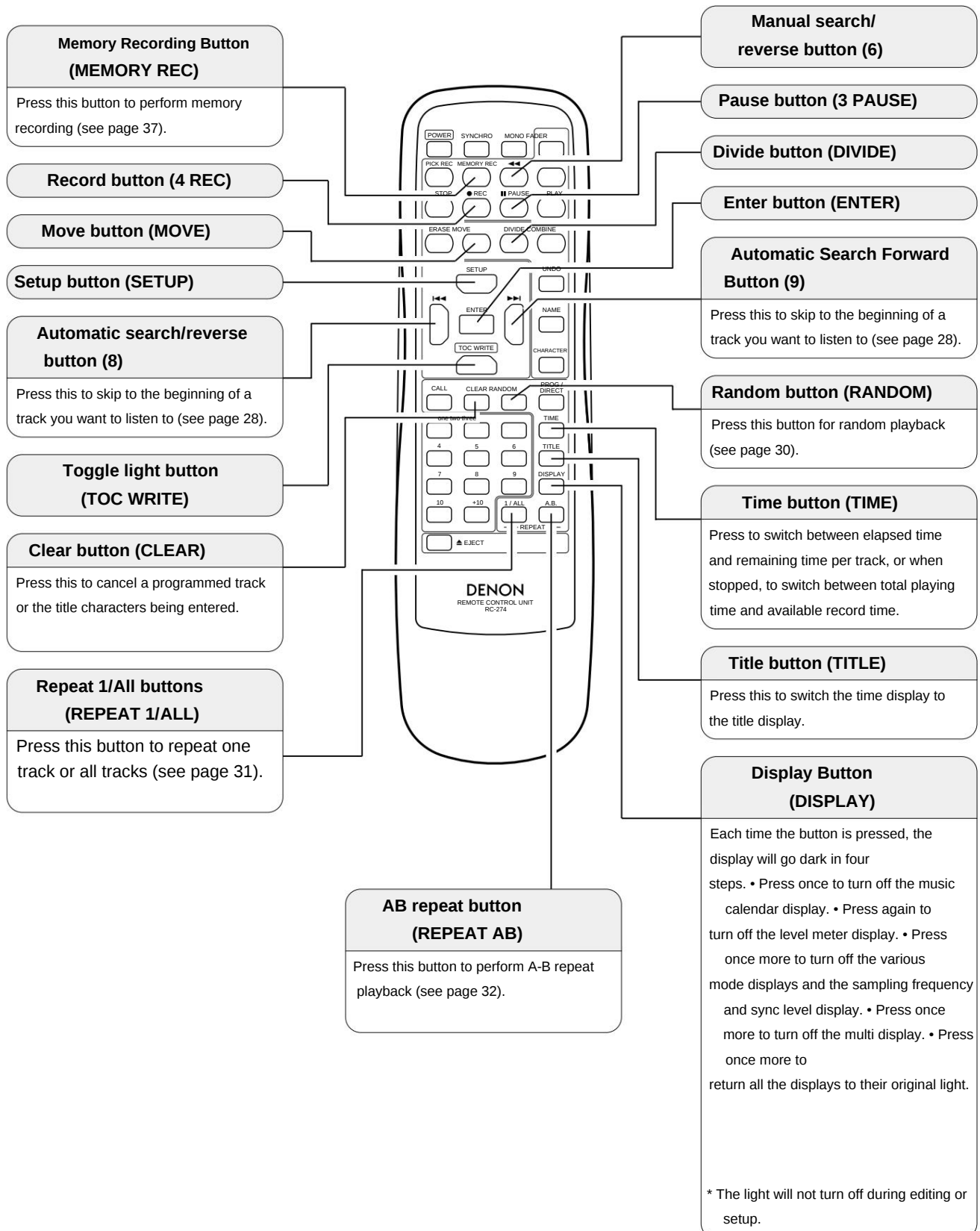
γ Buttons without special explanation function in the same way as on the main unit.

(See "Names and Functions of Each Part" on pages 10 to 15.)



About the remote control (continued)

(3) Remote control button names and functions (continued)



8 About MiniDiscs

MiniDiscs are compact in size and can hold up to 74

You can play/record up to 100

minutes of music on this unit. There are two types of MiniDiscs: playback-only MiniDiscs and

recordable MiniDiscs. * MiniDiscs that can be played/recorded on this unit have the mark on the right.

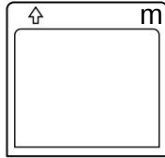
m

Playback-only minidisc

- A mini disc that can only be played back, and is not compatible with commercially available music.

The GicMD software is of this type.

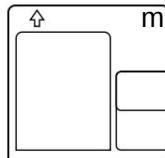
- Playback-only minidisks are optical discs, just like compact discs (CDs). • You cannot edit songs on them.



Recording minidisc

- This is a mini-disc that can be played back/recorded, and uses a magneto-optical disk, and records using the magnetic field modulation

method. • It can also be rewritten.



Handling

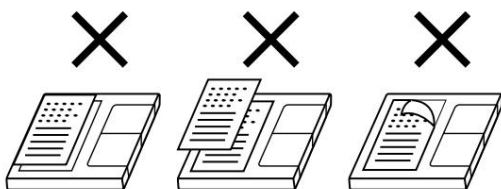
MiniDiscs are stored in a cartridge, so they can be easily handled without worrying about dirt or scratches. However, a dirty or warped cartridge can cause malfunctions. Please take note of the following points.

Do not touch the disc surface directly. Do not open the shutter with your hands. Do not place in a dusty, dirty or humid place. please.

Do not store in direct sunlight or in places with high temperatures.

When attaching a label to a cartridge, be sure to

Please observe the following: If the cover is not attached correctly, the mini-disc may become stuck inside the cover and become impossible to remove.

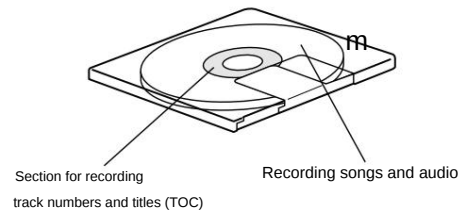


- * Affix the label correctly in the specified location (within the area). (Do not affix labels outside the specified area.) * Do not affix labels on top

of each other. * If a label is peeling or floating, replace it with a new label.

MiniDisc Burning

A MiniDisc has a section for recording songs and audio, and a section for recording information such as song numbers and titles.



Tok
What is TOC?

MiniDiscs record a Table of Contents (TOC) that allows you to identify tracks, including track numbers, track titles, and recording locations, along with tracks and audio. The TOC is used as a reference when playing tracks. Tracks can also be edited by rewriting the TOC. This TOC is written to the MiniDisc when you press the TOC WRITE

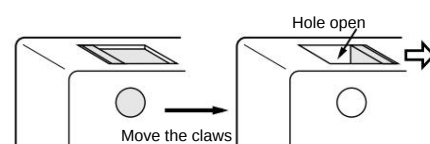
button, when you press the Eject button (5) to eject the MiniDisc after recording or editing, or when you press the POWER button on the remote control to put the power into standby mode. When writing begins, the " " display flashes. At this time, do not vibrate the unit, press the POWER button on the unit, or unplug the power plug from the outlet.

TOC

If the TOC is not written correctly, the recorded or edited content may be damaged or may not be recorded correctly.

About the tab to prevent accidental recording/erasure

Minidisks for recording have a tab to prevent accidental recording or erasure. To prevent accidentally erasing recorded content, slide the tab to open the hole (see diagram below). In this position, editing such as recording or erasing is not possible, and the recorded content is protected. If you want to record or erase again, move the tab back to its original position and close the hole (see diagram below).



Care instructions

To remove dirt or dust from the cartridge, wipe it off with a dry cloth without applying excessive force.

About MiniDiscs (continued)

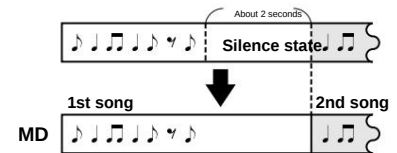
About track numbers

When you record a song or audio onto a MiniDisc, the track number is automatically assigned. When you add a new recording, the track number increases in order.

When recording with analog input : Set

the input selector knob (INPUT SELECT) to "ANALOG ATM"

When set to "ON", the track number is **automatically** assigned when a silent portion of 2 seconds or more is detected (auto track increment function).



The silent portion is the portion with a level below the synchronous recording level setting (-54dB to -30dB). (See page 22.)

reference)

- Depending on the contents of the recording, such as when there is noise in the signal, the track number may not change at the correct position.
- When the signal level during a song is extremely low, the track number may change. In such cases,

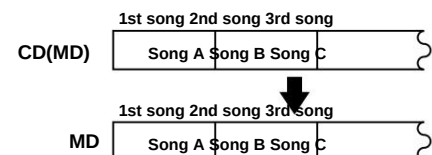
Please perform editing operations after this is completed (see page 43).

- You can also record a continuous song without using the auto track increment function. (See page 33.)

reference)

When recording digitally from a CD or

other minidisc, the track numbers will automatically be the same as the original track numbers.



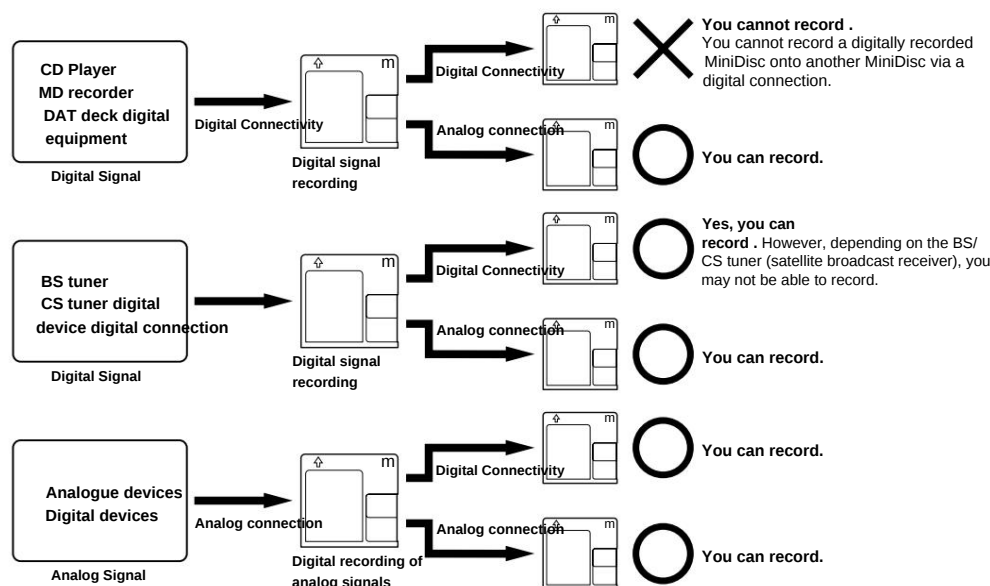
- When recording from a CD or other MiniDisc, the track numbers on the CD or other MiniDisc may not match those on the recorded MiniDisc.
- When recording from a BS/

CS tuner, DAT deck, etc., the auto track increment function works and tracks are numbered automatically, just as when recording from an analog input. - If there is a lot of noise in the silent parts between tracks, the track numbers may not change correctly. - If the signal level during a track is extremely low, the track numbers may change.

When recording from a BS/CS tuner or DAT deck, if the sampling frequency is switched, the track number will change. Also, in rare cases, noise may be recorded. In such cases, perform editing operations after recording has finished. (See pages 41-43.)

Digital Copy

It is not possible to digitally record (copy) a minidisc recorded from a CD or other source via digital input onto another minidisc, DAT deck, etc. This is a standard established by the SCMS (Serial Copy Management System).



9 How to set up

With this unit, you can set the following 10 items in the setup menu. The following is displayed for each setting item. Please perform the "Setup" when the unit is stopped. The set items will remain even if you turn the unit off (E). It is remembered.

- 1. Recording mode"Rec Mode?"
- Synchro recording mode 'Synchro Rec?'
- Synchro recording level 'Sync Rec Lev?'
- Synchro Memory Time "S. Memo Time?"
- Memory recording time "Mem Rec Time?"
- Fade in time "Fadein Time?"
- Fadeout Time "Fadeout Time?"
- Digital input word length "Dig. In Bit?"
- Digital output word length "Dig. Out Bit?"
- 10. Pick Rec ... "Pick Rec Go?"

(1) How to set up

The diagram shows the main unit and a remote control. Callout 1 points to the power button on the main unit. Callout 2 points to the 'SETUP' button on the remote. Callout 3 points to the 'ENTER' button on the remote.

	Turn the power on.
1 2	Press the Setup button. "Setup Mode" is displayed.
3	Press the jog dial on the main unit or the Enter button to enter the setup mode. Enter the code.

(2) Recording mode setting

- Switch between stereo and mono recording I am.
- Recording mode switch button on the remote control (MONO) You can also set it with

The diagram shows the main unit and a remote control. Callout 1 points to the 'MONO' button on the remote. Callout 2 points to the 'ENTER' button on the remote. Callout 3 points to the 'JOG' dial on the main unit. Callout 4 points to the 'ENTER' button on the remote.

1	Enter the setup mode and press the jog dial on the unit. Turn the dial or use the automatic search function on the remote control. Press the button to display "Rec Mode?"
2	Press the jog dial on the main unit or the Enter button to select the recording mode. Confirm the mode.
3	Rotate the jog dial on the unit or press the Enter button to start recording. Selects the mode stereo/mono. The selected recording mode will flash. When mono recording mode is selected, the mode display The "MONO" indicator will light up. MONO Stereo/Mono Blink
4	Press the jog dial on the main unit or the Enter button to confirm the recording mode. I will. The selected recording mode is displayed.

How to set up (continued)

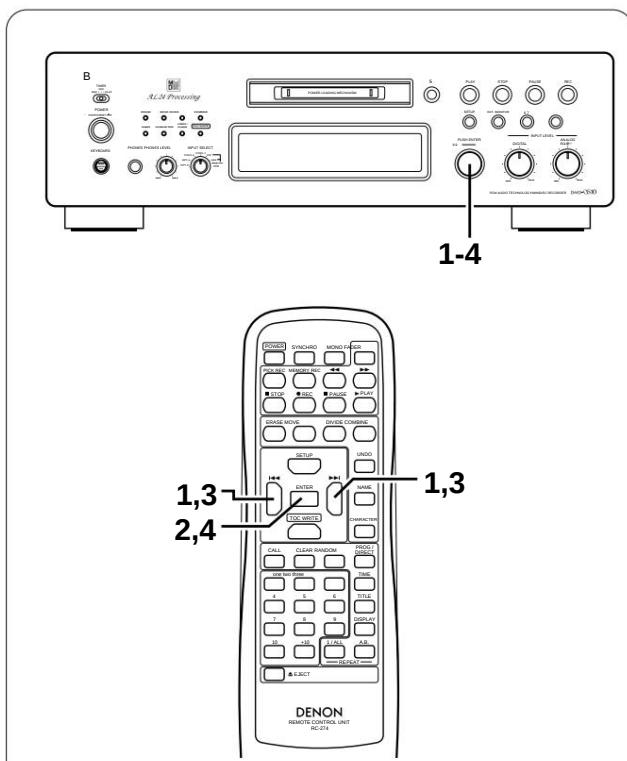
(3) Synchro recording mode setting

• Sets synchronous recording on/off.

(See page 37)

• Synchro recording mode button on the remote control (SYNCHRO)

You can also set it with



1

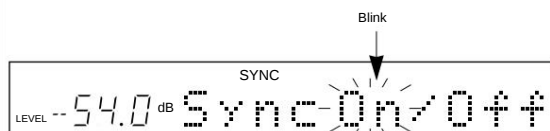
Enter the setup mode and press the jog dial on the unit.
Turn the dial or use the automatic remote control.
Press the search button to display "Synchro Rec?"
I will show you.

2

Press the jog dial on the main unit or the
Press the Enter button to select sync recording.
Confirms the selection mode.

3

Rotate the jog dial on the unit or press the
Press the automatic search button to
Select whether to turn the black recording on or off.
The selected synchronous recording mode will flash .
Also, select Sync Recording Mode "On."
Sometimes, the "SYNC" indicator on the mode display will light up and
Sampling frequency, sync level display
The synchronization level is displayed.



4

Press the jog dial on the main unit or the
Press the Enter button to turn on sync recording.
Confirm ON/OFF.
• The selected synchronized recording mode is displayed.

(4) Setting the synchronous recording level

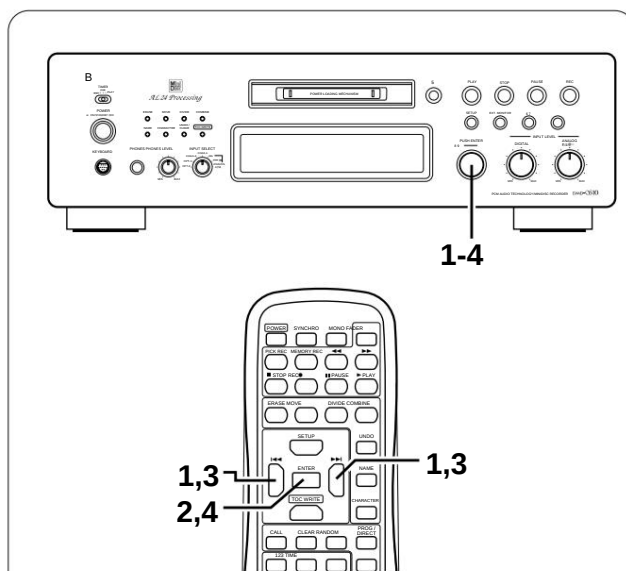
* Synchro recording level when performing synchronized recording
(See page 37.)

* When synchro recording, the input signal

When the signal level reaches or exceeds the set value, recording will begin.

If the portion below the set value continues for more than 4 seconds, recording will pause.

This is the status.



1

Enter the setup mode and press the jog dial on the unit.
Turn the dial or use the automatic remote control.
Press the search button to display "Sync Rec Lev?"
I will show you.

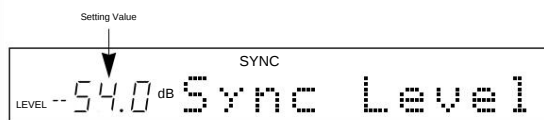
2

Press the jog dial on the main unit or the
Press the Enter button to set the sync recording level.
Confirms the selection mode for the module.

3

Rotate the jog dial on the unit or press the
Press the automatic search button to
Sets the black recording level.

• Settings are sampling frequency and sync level
will be displayed on the display.



* The setting range is -54dB to -30dB in 6dB steps.
can be changed one by one.

4

Press the jog dial on the main unit or the
Press the Enter button to set the sync recording level.
Confirm the rule.
• "Complete" will be displayed.

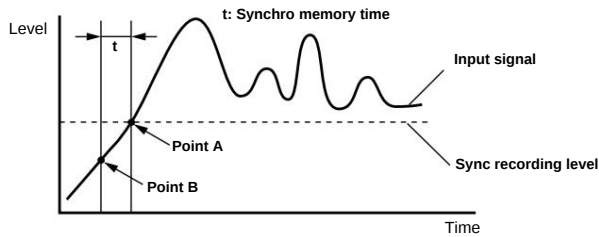
* When analog input recording is set to "ANALOG ATM ON"

If a signal below the level set here is present for more than 2 seconds,
Then, when a signal above the set level is input again,
The track number will change automatically.

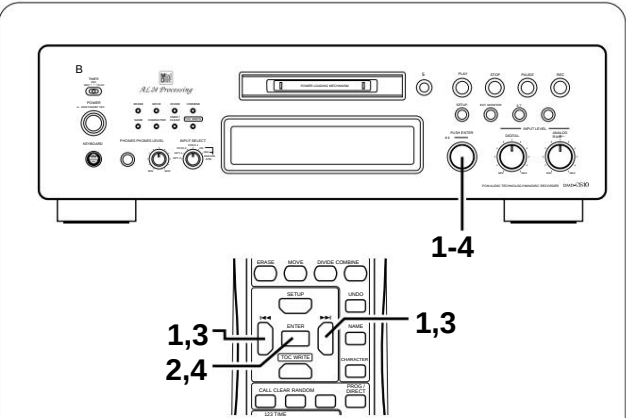
How to set up (continued)

(5) Setting the sync memory time

- * When performing synchronized recording,
Recording start time from the bell detection point
Configure the following:
In the diagram below, from point A where the synchronous recording level is detected,
The time (t) set in the sync memory time
Recording will start from point B.



- * Silent section at the beginning of a synchronous recording
You can record low-level sounds and low-level parts.
When you do not want to use synchronous memory recording
Please set the time to 0 seconds.



- 1

Enter the setup mode and press the jog dial on the unit.
Turn the dial or use the automatic remote control.
Press the search button to display “S. Memo Time?”
I will show you.
- 2

Press the jog dial on the main unit or the
Press the Enter button to synchronize memory.
- Confirm time selection mode.
- 3

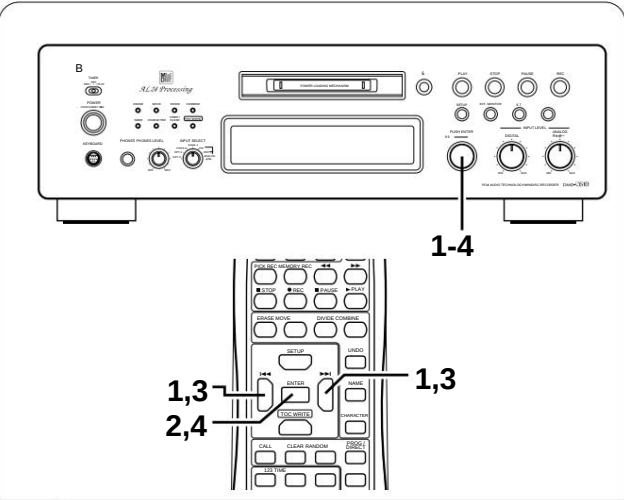
Rotate the jog dial on the unit or press the
Press the automatic search button to
Sets the black memory time.
• Settings are sampling frequency and sync level
The setting value is displayed on the
display.


* The setting range is 0 to 2 seconds, and can be changed in 0.2 second increments.
can.
- 4

Press the jog dial on the main unit or the
Press the Enter button to synchronize memory.
- Confirm the time.
• “Complete” will be displayed.

(6) Memory recording time setting

- * When recording from memory, you can start recording from a previous point.
Set the start time (see page 37).



- 1

Enter the setup mode and press the jog dial on the unit.
Turn the dial or use the automatic remote control.
Press the search button to select “Mem Rec Time?”
Display it.
- 2

Press the jog dial on the main unit or the
Press the Enter button to enter the memory recording time.
Confirms the selection mode.
- 3

Rotate the jog dial on the unit or press the
Press the automatic search button to
Set the recording time.
• Settings are sampling frequency and sync level
will be displayed on the display.


* The setting range is from 1 to 6 seconds, and can be changed in 1 second increments.
I will come.
- 4

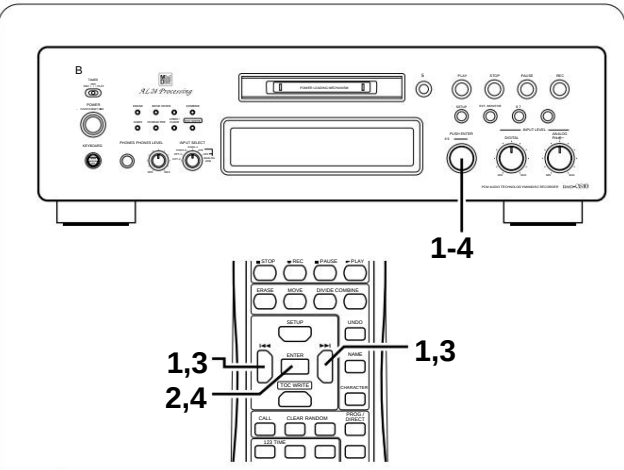
Press the jog dial on the main unit or the
Press the Enter button to enter the memory recording time.
Confirm.
• “Complete” will be displayed.

How to set up (continued)

(7) Fade-in time setting

* Fade-in when recording

Set the time (see page 38).



1 Enter the setup mode and press the jog dial on the unit.
Turn the dial or use the automatic remote control.
Press the button to display "Fadein Time?"
I will show you.

2 Press the jog dial on the main unit or the
Press the Enter button to enter the fade-in time.
Confirms the selection mode.

3 Rotate the jog dial on the unit or press the
Press the automatic search button to
Set the do-in time.
• Settings are sampling frequency and sync level
will be displayed on the display.



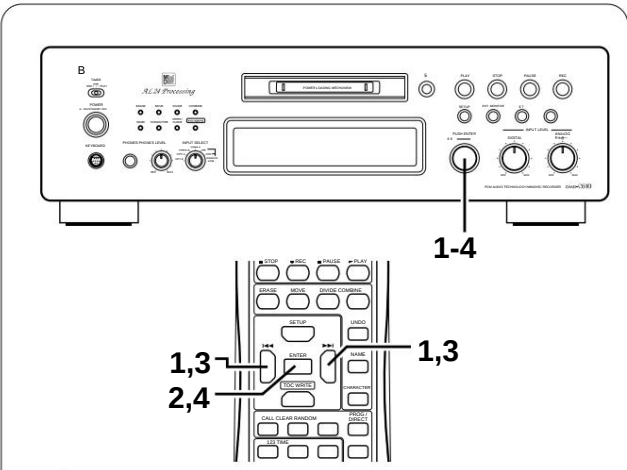
* The setting range is from 1 to 15 seconds, and can be set in 0.5 second increments.
You can change it.

4 Press the jog dial on the main unit or the
Press the Enter button to enter the fade-in time.
Confirm.
• "Complete" will be displayed.

(8) Fade-out time setting

* Fade out when recording

Set the off time (see page 38).



1 Enter the setup mode and press the jog dial on the unit.
Turn the dial or use the automatic remote control.
Press the button to display "Fadeout Time?"
I will show you.

2 Press the jog dial on the main unit or the
Press the Enter button to fade out
Confirms the selection mode between.

3 Rotate the jog dial on the unit or press the
Press the automatic search button to
Set the end-out time.
• Settings are sampling frequency and sync level
will be displayed on the display.



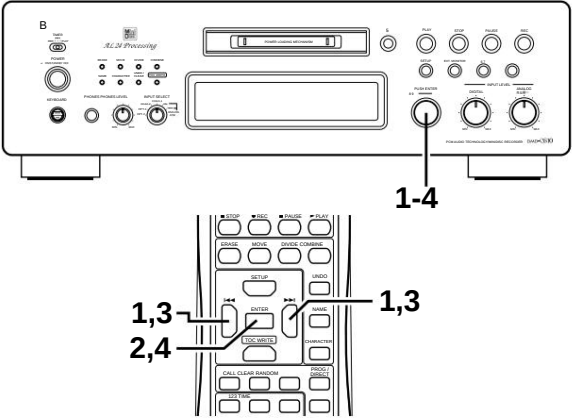
* The setting range is from 1 to 15 seconds, and can be set in 0.5 second increments.
You can change it.

4 Press the jog dial on the main unit or the
Press the Enter button to fade out
Determine the interval.
• "Complete" will be displayed.

How to set up (continued)

(9) Setting the digital input word length

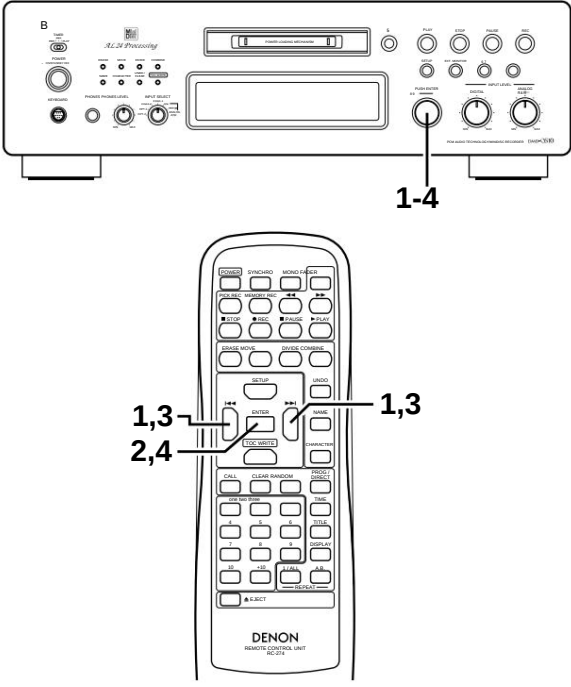
- * The input word length (input)
Set the number of bits (output).
This unit uses AL24 Processing
The signal is expanded to 24 bits and then recorded.
Bit expansion is performed by AL24 Processing.
This sets the number of input bits for the



1	Enter the setup mode and press the jog dial on the unit. Turn the dial or use the automatic remote control. Press the search button to display "Dig. In Bit?" I will let you.
2	Press the jog dial on the main unit or the Press the Enter button to enter the digital input word length. Confirms the selection mode.
3	Rotate the jog dial on the unit or press the Press the automatic search button to Sets the input word length. • The selected input word length will flash. Number of bits entered Setting value flashing 16 16/20/24/Auto * "Auto" automatically converts video from digital input signals. This is the mode to detect the number of bits. Sampling frequency The number and sync level display shows the currently input This shows the word length of the signal being played. Depending on the device, such as a DVD player, The digital output signal does not have the data for the number of bits, In this case, the new word length is not displayed. Please set the input word length in the
4	Press the jog dial on the main unit or the Press the Enter button to enter the digital input word length. Confirm. • "Complete" will be displayed.

(10) Setting the digital output word length

- * Digital output word length during MiniDisc playback (output)
Set the bit depth (bit count).
Digital output for recording monitor and external input monitor
The input word length is always 24 bits and cannot be changed.
I can't come.



1	Enter the setup mode and press the jog dial on the unit. Turn the dial or use the automatic remote control. Press the search button to display "Dig. Out Bit?" I will let you.
2	Press the jog dial on the main unit or the Press the Enter button to enter the digital output word length. Confirms the selection mode.
3	Rotate the jog dial on the unit or press the Press the automatic search button to Sets the buffer output word length. • The selected output word length will flash. Setting value flashing 16/20/24 Bit
4	Press the jog dial on the main unit or the Press the Enter button to enter the digital output word length. Confirm. • "Complete" will be displayed.

How to set up (continued)

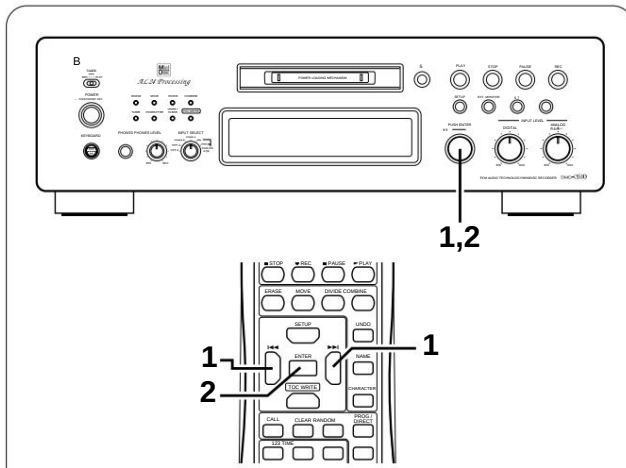
(11) Setting the start of pick recording

• You can now start pick-recording.

(See pages 49-51)

• Pick-record with the Pick-record button on the remote control

You can also get started.



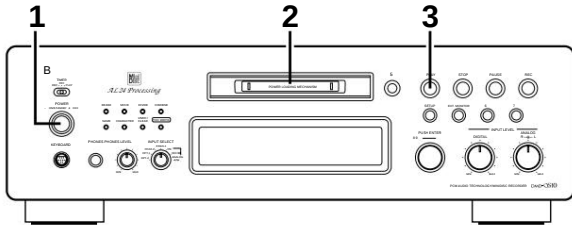
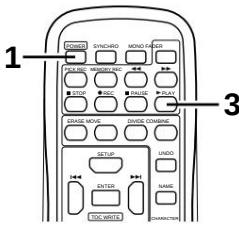
1	Enter the setup mode and press the jog dial on the unit. Turn the dial or use the automatic remote control. Press the button to display "Pick Rec Go?" I will show you.
2	Press the jog dial on the main unit or the Press the enter button to start pick recording. Confirm. • Let's start pick-recording.

Note

If a recordable disc is not inserted, the pick-up
It does not enter selection mode.

10 Normal playback

(1) How to start playback

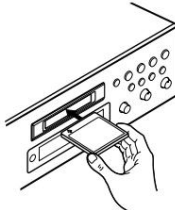



1 Turn the power on.

* If no mini disc is inserted, "No Disc" screen will be displayed.

2 Insert a mini disc into the disc slot.

When you insert a mini disc
The top of the mini disc
Follow the direction of the arrow
Insert the disk into the
Please do.
The minidisc will automatically
I am drawn in.



Disc Set

(Continued to the right.)

TOC Reading

Disk Name

BEST HIT SONG

2

Continued * If the disc name is not entered,
The first name is not displayed.

Number of songs included Recording time

12Tr 62m 03s

Press the play button.

• Playback will begin.

Song Title

SOUL LOVE

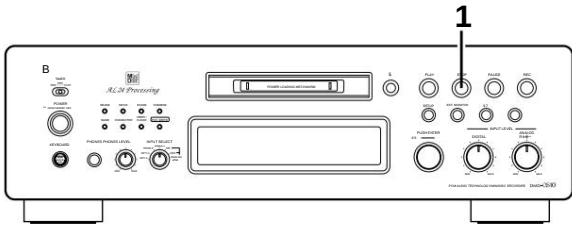
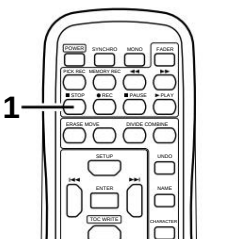
3

* If the song title is not entered, the song title will not be displayed.
plug.

Currently playing track number Song time

01Tr 05m 28s

(2) How to stop playback

1 Press the stop button during playback.

• Stop playback.

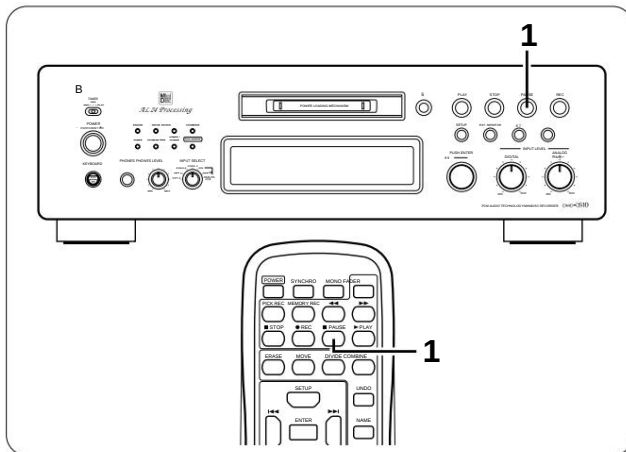
* Also, the final song recorded on the mini disc
It will automatically stop when playback finishes.

11 Various ways to play

(1) To temporarily stop playback

"Pose"

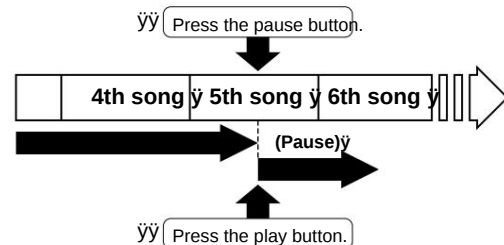
• You can stop playback temporarily during playback and listen again from that position.



Press the pause button during playback.

- Pause playback.

1

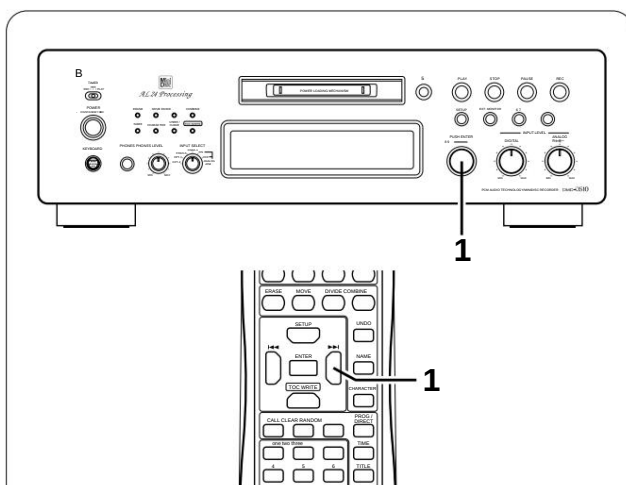


* To resume playback from the paused position,
Press the play button (1 PLAY).

(2) When cueing to the beginning of a song during playback

• Automatic Search

1 Skip to the beginning of the next song

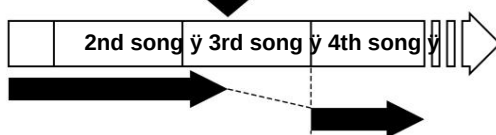


Turn the jog dial on the unit to the right (.) or
Press the 9 button on the remote control.

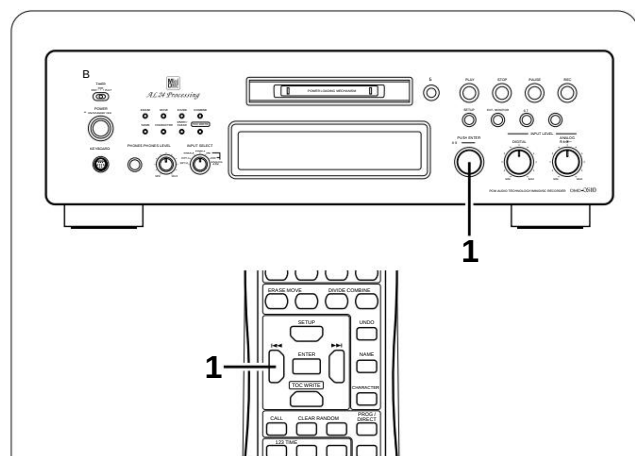
- Furthermore, turn the jog dial on the main unit to the right (.),
Press the 9 button on the remote control repeatedly to
You can then skip to the beginning of the next song.

1

Turn the jog dial on the unit to the right (.) or
Press the 9 button on the remote control.



2. Jump to the beginning of the song you are listening to

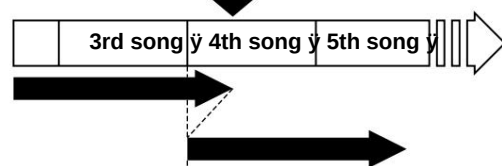


Turn the jog dial on the unit to the left (.) or
Press button 8 on the remote control.

- Furthermore, turn the jog dial on the main unit to the left (.),
Press the 8 button on the remote control repeatedly to
You can also use this to skip to the beginning of the previous song.

1

Turn the jog dial on the unit to the left (.) or
Press the 8 button on the remote control.



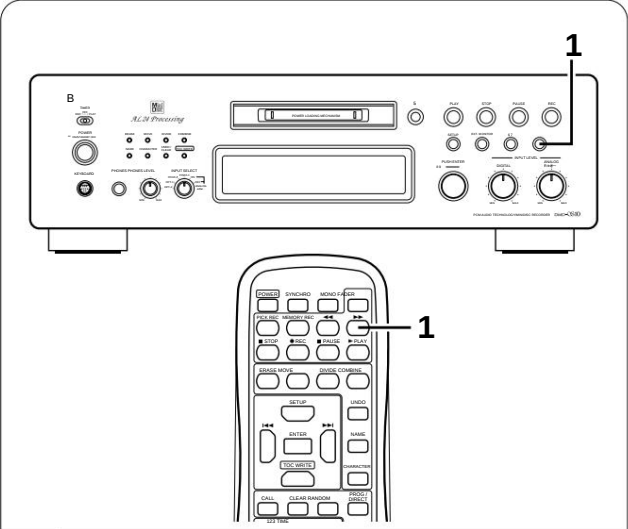
Various playback methods (continued)

(3) When listening quickly to find your favorite part

"Manual Search"

• You can listen to it at fast speed in sections.
This is useful when you want to find a part you like in a long song and listen to it from the middle.

1 When fast forwarding



Press and hold the 7 button during playback.

- Release the 7 button to resume normal playback.

We will live our lives.

Press and hold the 7 button.

1

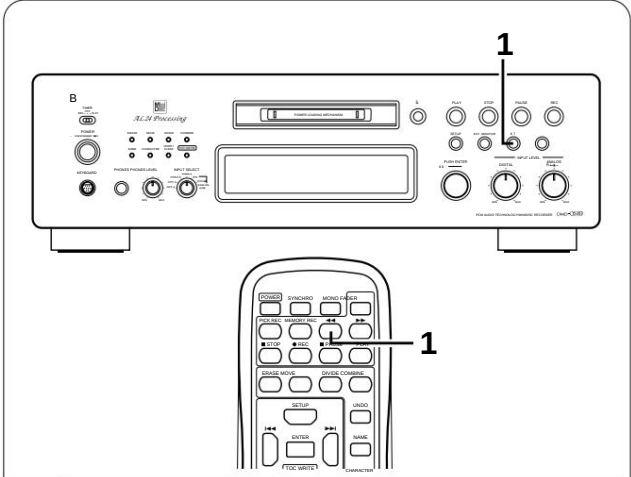
2nd song ~ 3rd song ~ 4th song ~

(Play) Fly Fly Fly Fly Fly Fly

• The final song recorded by pressing and holding the 7 button
When playback finishes, it will stop automatically.

*** To fast forward without listening to the sound, press the pause button.**
Hold down the 7 button while it's in.

2 When rewinding



Press and hold the 6 button during playback.

- Release the 6 button to resume normal play.

We will live our lives.

Press and hold the 6 button.

1

4th song ~ 5th song ~ 6th song ~

Fly, fly, fly, fly

*** Press and hold the 6 button to record the first**
When you return to the beginning of the song, the manual search ends.
and playback will begin.

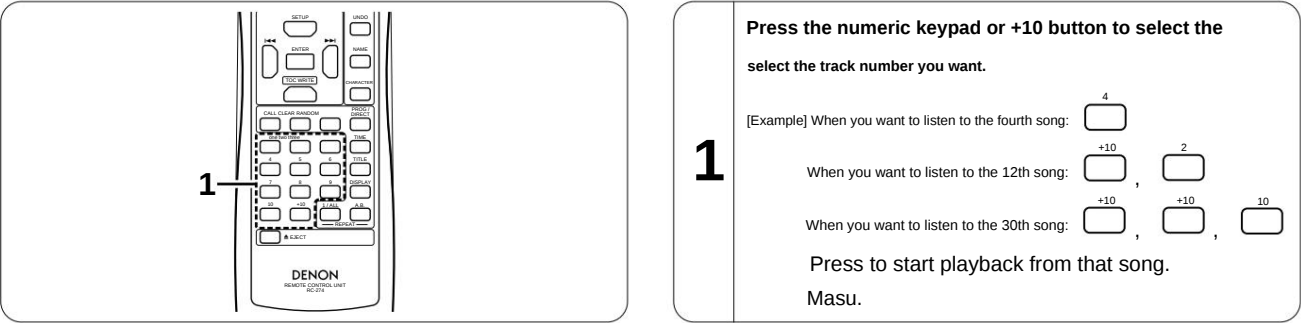
*** To fast reverse without listening to the sound, press the pause button.**
Hold down the 6 button while it's in.

Note

- When returning to normal playback from manual search, the sound may be interrupted slightly, but this is not a malfunction.

(4) When listening to your favorite songs (remote control only)

•Direct Playback•



Press the numeric keypad or +10 button to select the
select the track number you want.

[Example] When you want to listen to the fourth song: 4

When you want to listen to the 12th song: +10, 2

When you want to listen to the 30th song: +10, +10, 10

Press to start playback from that song.
Masu.

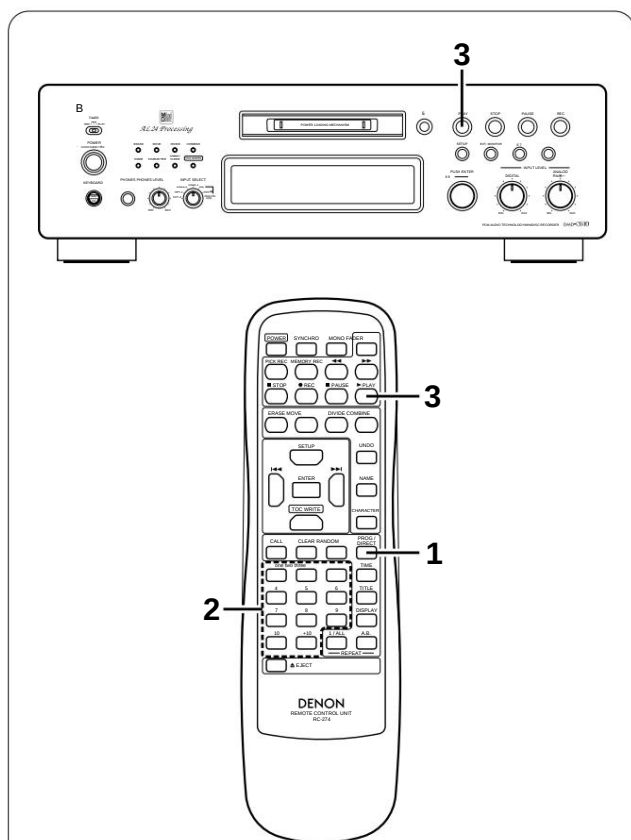
Various playback methods (continued)

(5) When you want to listen to the songs you want in the order you want

♪Program Playback♪

♪ You can choose the songs you want to listen to from those recorded on the minidisc and listen to them in any order you like.

♪ Up to 25 songs can be programmed.



1 When stopped, press the remote control program/direct button.

- The "PROG" display will light up.

2 Press the numeric keypad or +10 button on the remote control to select the track number you want to program.

[Example] I want to program the 3rd, 12th, and 7th songs.

When: , , , Press

So lame.

3 Press the play button.
• Plays in the programmed order.

* To check the programmed contents, press the

Press the CALL button.

Each time you press the

will be displayed.

* To cancel a programmed track number, click while stopped.

Press the CLEAR button.

The last programmed track number will be erased first.

* To cancel the entire program, press the remote

CONTROLLER PROG/DIRECT BUTTON

Or press the eject button (5).

* When performing direct playback, press the remote control while the unit is stopped.

PROG/DIRECT button

Press to exit program mode.

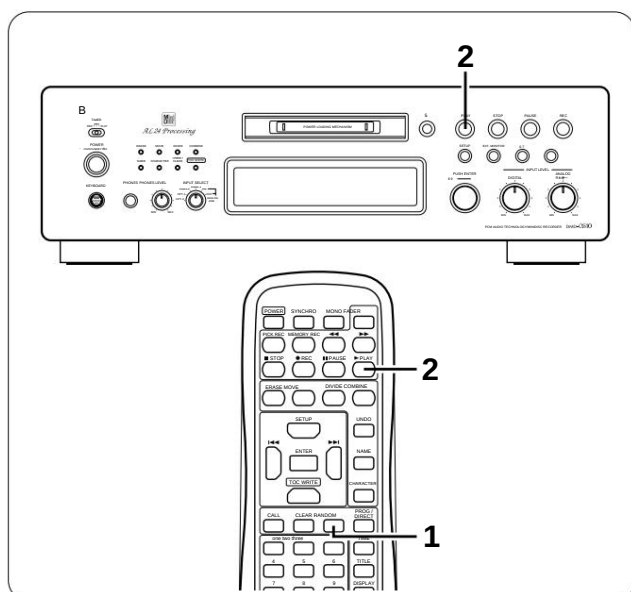
Note

- You cannot repeat a single song during programmed playback.
- The total playback time exceeds 256 minutes during program setting .
The correct time display will not be possible, but you can program it.
Yes, it is possible.

(6) When asking questions in random order

"Random Play"

♪ You can listen to each song on a minidisc once in a random order.



1 When playback is stopped, press the RANDOM button on the remote control. The "RANDOM" indicator lights up.

2 Press the play button.

♪ During normal playback:

The music is automatically selected and played randomly.

♪ When repeating all songs:

After random playback, play the songs in a different order.

From now on, the songs will be played in a different order each time.

Plays randomly.

* To stop random playback, press the remote control again while the

Press the RANDOM button on the

Normal playback resumes.

Note

- You cannot repeat a single song during random playback.

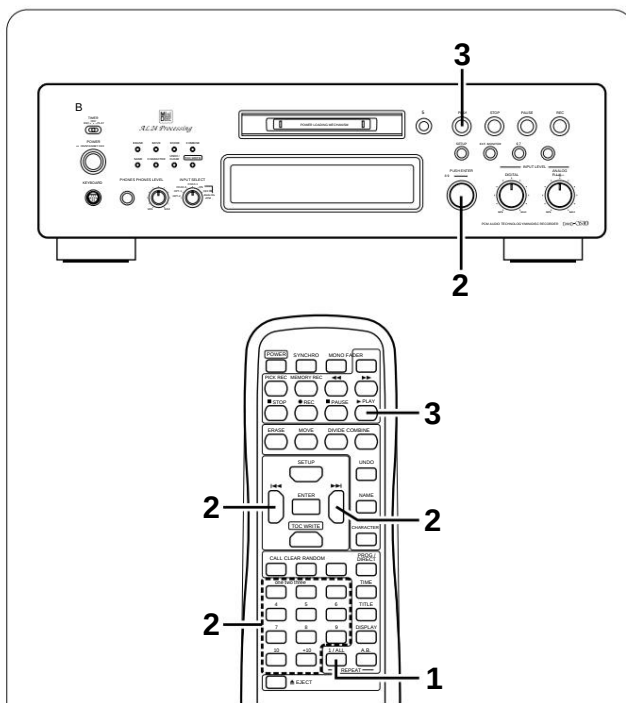
Various playback methods (continued)

(7) When listening repeatedly

"Repeat playback"

1 When listening to one song repeatedly

"Repeat one song"



1 Press the 1/All Repeat button on the remote control once.

I will.

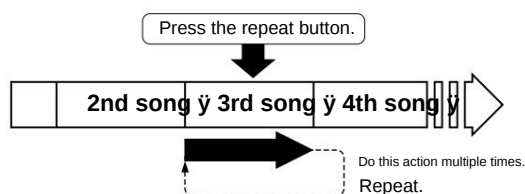
- The **REPEAT 1** indicator will light up.

2 Rotate the jog dial on the unit or press the Automatic search button, numeric keypad or Press the +10 button to select the track number you want to listen to. Masu.

3 Press the play button.

- Playback will begin.

When the selected song finishes playing, it will return to the beginning of the song to repeat playback.



* During playback, press the repeat 1/repeat all buttons on the remote control. Pressing (REPEAT 1/ALL) once also stops the currently playing song. Repeat one song.

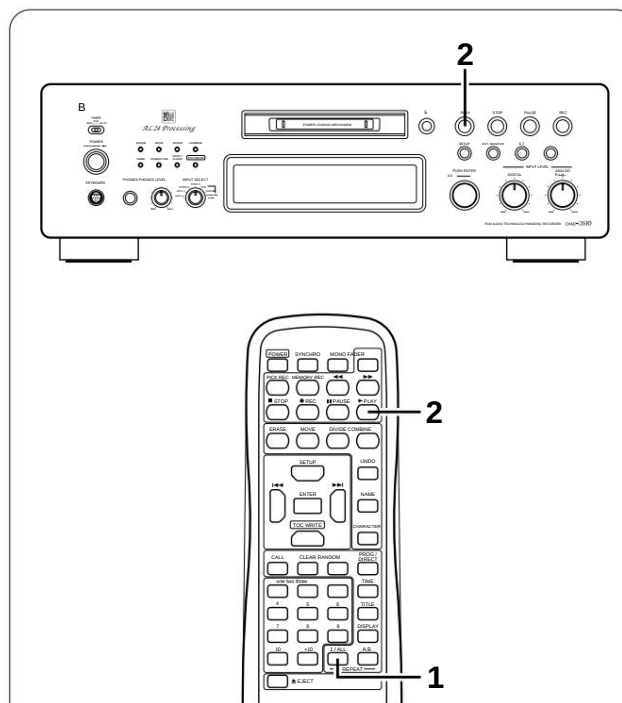
* To stop repeat playback of one track, turn the "REPEAT" display Repeat 1/All buttons on the remote control until the light goes out Press (REPEAT 1/ALL).

Note

- Repeat one track during program playback or random playback . playback is not possible.

2 When listening to all songs repeatedly

"Repeat all songs"



1 Press the 1 song/all song repeat button on the remote control twice

Press once.

- The **REPEAT ALL** indicator will light up.

2 Press the play button.

- Playback will begin.

* During playback, press the REPEAT 1/REPEAT ALL buttons on the remote control. 1/ALL) twice to repeat all songs.

* Press the repeat 1/repeat all buttons on the remote control during program playback .

If you press REPEAT 1/ALL, the program

The playback will be repeated in the order you selected.

To stop repeat playback of all songs, press the "REPEAT"

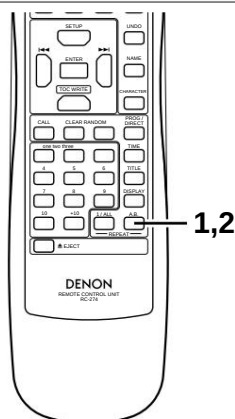
Repeat 1/Repeat All buttons on the remote control until goes out Press (REPEAT 1/ALL).

Various playback methods (continued)

3 When listening to any two-point interval repeatedly

"AB repeat playback"

It repeatedly plays only a part of the song, which is useful for karaoke or practicing an instrument.

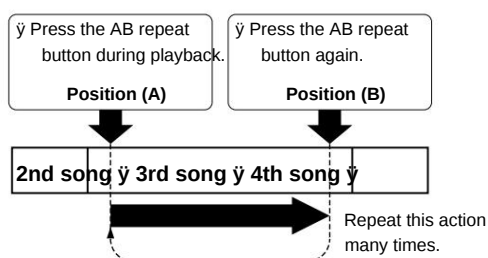


1 During playback, press the AB repeat button on the remote control at the point (A) where you want the repeat to begin.

- The ^{REPEAT}_A indicator will light up.

2 Press the remote control again at the repeat position (B). Press the AB repeat button.

- The ^{REPEAT}_{A.B.} indicator will light up, and playback will return to position (A) and repeat.



To stop A-B repeat playback, press and hold the A-B repeat button on the remote control until the "REPEAT" indicator goes out. Press (REPEAT AB). This will cancel A-B repeat playback and continue playback.

- * Press the stop button (2 STOP) to repeat A and B. Cancels and stops playback.

Notes :

- A-B repeat playback is not possible during program playback or random playback.
- Automatic search and manual search are not possible during A-B repeat playback or when setting the repeat position (B).

12 Normal recording method

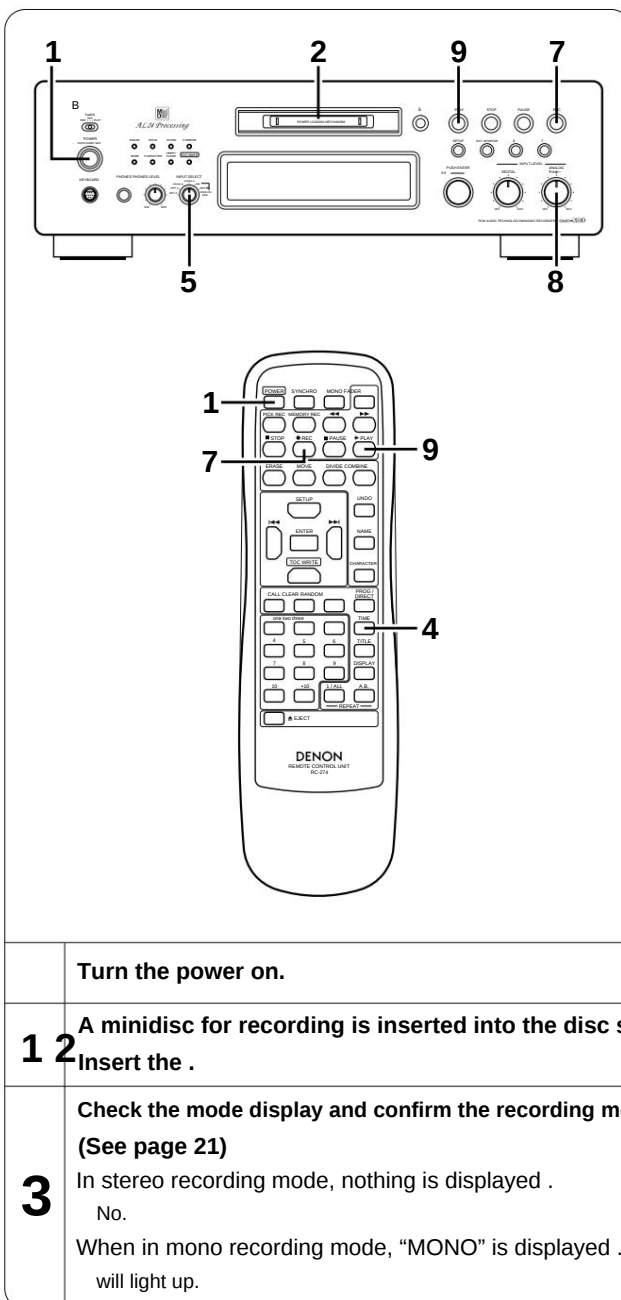
- * When using a prerecorded minidisc, be aware of the remaining time.
- * If you want to erase all the recorded content on a mini-disc and start recording from the beginning of the mini-disc, use the all-track erase operation.
Before recording, prepare the disc. (For how to erase all tracks, see "Erasing All Tracks" on page 41.)
Please.)
- * When recording, slide the anti-accidental recording/erasure tab to close the hole.

(1) How to start recording

- * When a blank disc or a no-track disc is inserted, recording will automatically be paused.
However, this function does not work in the synchronized recording mode.

(Auto Rec Pause function)

1 When recording analog input



Turn the power on.

1 2 A minidisc for recording is inserted into the disc slot.
Insert the .

3 Check the mode display and confirm the recording mode.
(See page 21)
In stereo recording mode, nothing is displayed .
No.
When in mono recording mode, "MONO" is displayed .
will light up.

4

<When using a recorded minidisc>

Press the time button on the remote control to start recording.

Check the time.

- Each time you press the TIME button,
The time and available recording time will switch.

5

Set the input switch on the unit to "ANALOG
"ATM ON" or "ANALOG ATM OFF"
Switch to.

- When you switch to "ANALOG ATM ON":

"Ana. ATM On" is displayed and no recording input signal is
When a section (more than 2 seconds) is detected, the track number is automatically
I'll attach it and record it.

- When switched to "ANALOG ATM OFF":

"Ana. ATM Off" will be displayed and the song will
(To assign track numbers, see page 43.)
(See "To split a song" on this page.)

Display "Analog ATM On" or "Analog ATM Off".

Ana. ATM On

6

Recording with a CD player, cassette deck, etc.
Play the song you want.

7

Press the record button.
Recording will be paused.

8

Use the analog recording level adjustment knob on the unit to adjust the recording level.
Adjust the sound level.

- The level meter does not light up until the "OVER" display
Please adjust it as follows.

* After completing the adjustment, put the song you want to record into standby mode.
Set it to the "on" position.

9

Press the play button to
begin recording .

10

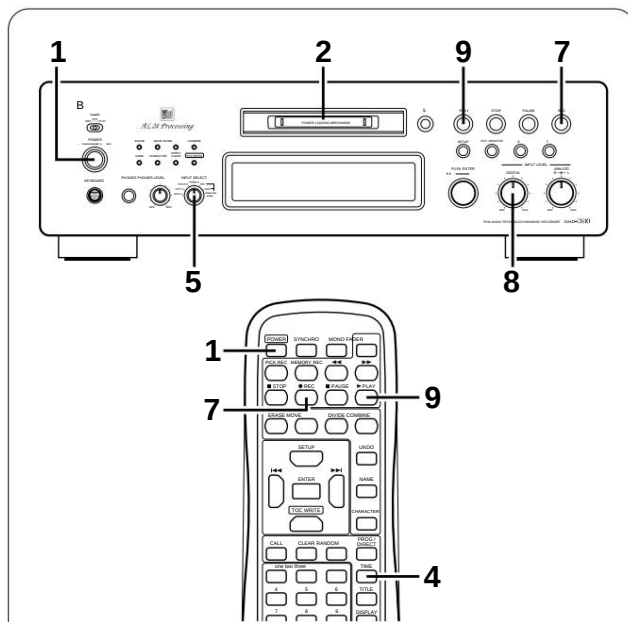
Recording with a CD player, cassette deck, etc.
Play the song you want.

Normal recording method (continued)

2 When recording digital input

This unit is equipped with a sampling converter.

The sampling frequency of the digital input signal is different from that of the MiniDisc (44.1kHz) for DAT and satellite broadcasts (32kHz, 48kHz), the sampling frequency will be automatically converted to 44.1kHz and recorded.



Turn the power on.

1 2 A minidisc for recording is inserted into the disc slot.
Insert the .

3 Check the mode display and confirm the recording mode.
(See page 21)

In stereo recording mode, nothing is displayed .
No.
When in mono recording mode, "MONO" is displayed .
will light up.

4 <When using a recorded minidisc>
Press the time button on the remote control to start recording.
Check the time.

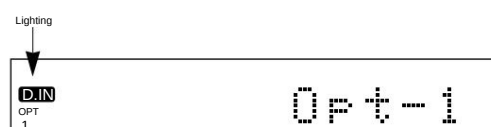
- Each time you press the TIME button,
The time and available recording time will switch.

Set the input switch knob on the main unit from "COAX-1"
"COAX-2", or "OPT-1" or "OPT-2"

Switch.

- The selected input source 1 COAX " " 2 COAX " ,
The " " or " " indicator will light up.

5 [Example] Digital input terminal (OPTICAL) set to 1
case



6 Recording with a CD player, DAT deck, etc.

Play the song you want to play.

Press the record button.

Recording is paused and the input source is sampled.
The ring frequency is displayed.

7 * When the " " display is flashing,
This is because the data was not entered correctly.
If this occurs, check the connection of the digital input terminal.
Please.

Use the digital recording level adjustment knob on the unit to adjust the recording level.

Adjust the sound level.

8 The level meter does not light up until the "OVER" display
Please adjust it as follows.

* After completing the adjustment, put the song you want to record into standby mode.
Set it to the "on" position.

9 Press the play button.

Recording will begin.

10 Play the song you want to record on a CD player or similar device.
Masu.

Note

When inputting stereo audio, the level meter display and monitor will not change even if you switch the recording mode to "MONO. "
- The signal will not be mono.

If you do not want to change the digital recording level, turn the digital recording level control knob so that "D. Lev 0.0dB" is displayed.
Set (DIGITAL INPUT LEVEL) to record without changing the input signal level.

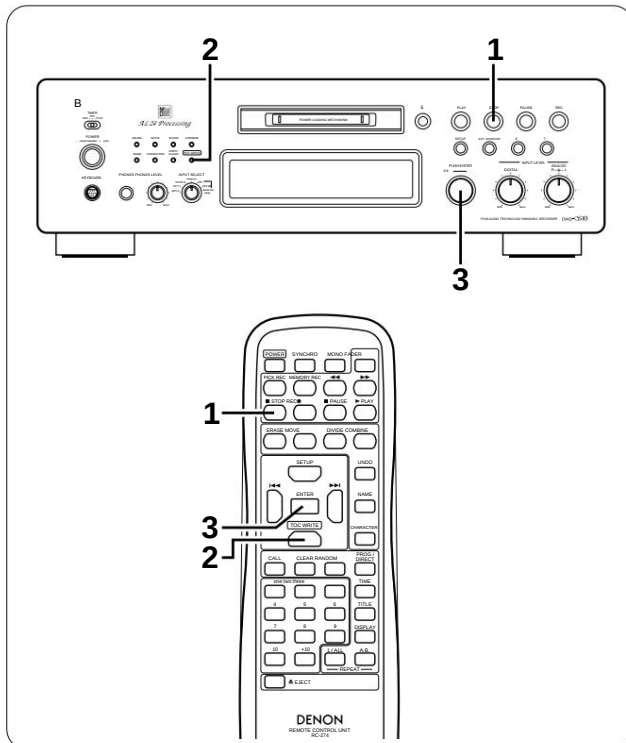
- The digital recording level adjustment knob (DIGITAL INPUT LEVEL) is set to "D. Lev 0.0dB" at the center position within a certain range.
- The adjustable range of the digital recording level is -∞, -42dB, -30dB, -20dB, -12dB to +12dB.

Please note that the displayed setting values may contain some errors due to calculation processing.

- When the digital recording level is -∞, the display will show "D. Lev -----.dB" and no audio will be output.

Normal recording method (continued)

(2) How to stop recording



1

Press the stop button during recording.

- Stop recording.

* Also, if there is no more recording time on the mini disc, will automatically stop.

2

Press the TOC Write button to select "TOC Write OK?" will be displayed.

3

Press the jog dial on the main unit or the Enter button to write the TOC information. Confirm the selection.

When you start writing, the "TOC" will start flashing.

Therefore, do not subject the unit to vibration or heat.

Press the power button (POWER) or

Do not unplug the power cord from the outlet.

The recorded content may be damaged or not recorded properly. may not be available.

- To write TOC information, press the eject button.

Press (EJECT) to eject the minidisc, or

Press the power button (POWER) on the remote control to turn it on.

This can also be done by putting the power supply into standby mode.

You can do this.

Note

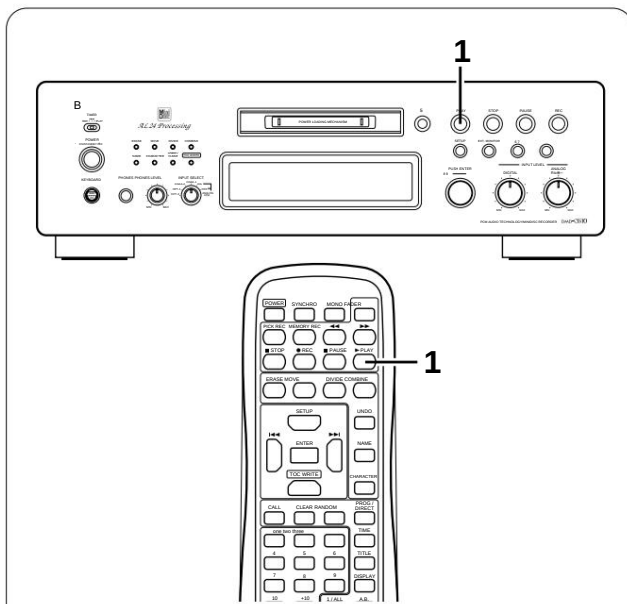
- When recording digitally from a CD or MiniDisc, the track number is automatically recorded. Depending on the device, such as the CD player, the track number may differ from that of the CD or MiniDisc.) (See page 20.)
 - When recording from a CD or MiniDisc, the track number may advance by one when playback of the CD or MiniDisc begins. In this case, erase the unnecessary track numbers (see page 41).
 - When recording digital inputs other than CDs and minidiscs, the unit automatically detects silent sections and records them with track numbers. (See page 20.) (See page 13) You can program the same track consecutively by digitally recording from a CD or MiniDisc, or you can repeat one track. If this happens, the track number may not change.
 - You cannot make further digital input recordings from a minidisc that has already had digital input recording made. It is compliant with the Serial Copy Management System (SCMS). This is a regulation that limits the duplication of digital signals between various digital audio devices to "one generation only." When recording from a minidisc that has been input-recorded, use analog input recording (see page 33).
- This product is intended for general household use only. Do not use it in combination with products that are not intended for general household use, such as products for commercial use.
- When recording, for example, it may not work properly.
- If "Copy Prohibit" or "Digital Unlock" appears during digital input recording and recording is paused. If you want to eject the mini-disc when the
- Press (5) to remove the minidisc.

13 Various recording methods

(1) When you want to add track numbers while recording

* You can assign track numbers during recording, regardless of the recording mode.

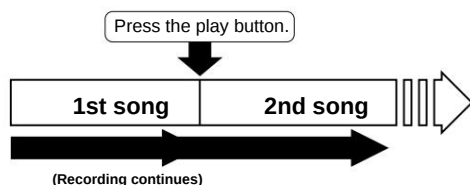
You can do this.



Press the play button while recording.

- The song number will change whenever you press the button.

1



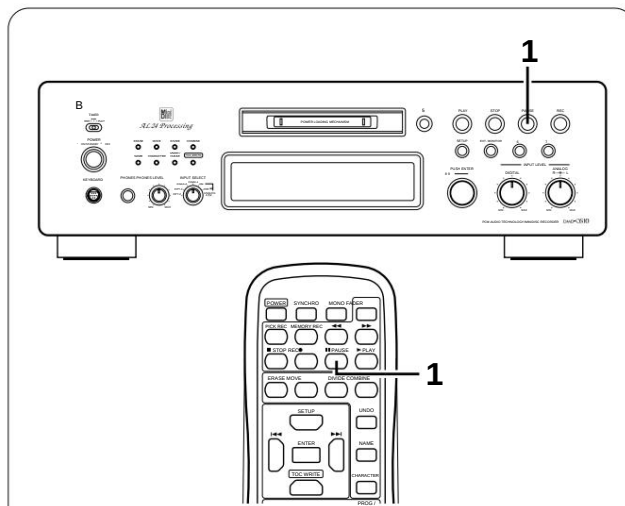
* After changing the track number, the track number will not be changed for about 4 seconds.

It is not possible.

(2) When you want to temporarily stop recording

* Stop recording temporarily during recording, then start again from that point.

You can record.

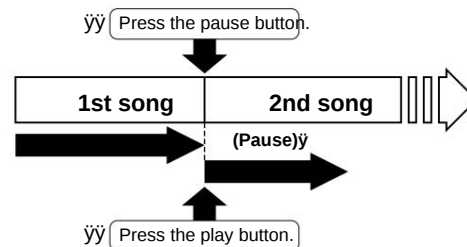


Press the pause button while recording.

Press the pause button to pause the

The track number will change.

1



* To continue recording, press the play button (1 PLAY).

Please press.

Note

After recording is complete, press the TOC WRITE button to display "TOC Write OK?" and then turn the jog dial

Press the Enter button on the remote control or the ENTER button on the remote control to write the TOC information to the minidisc and then operate the unit again.
So lame.

- To write TOC information, press the eject button (5) to eject the minidisc, or press the power button on the remote control. You can also press (POWER) to put the power into standby mode.

When writing starts, the " " disc **TOC** will start flashing. At this time, do not vibrate the unit or press the power button

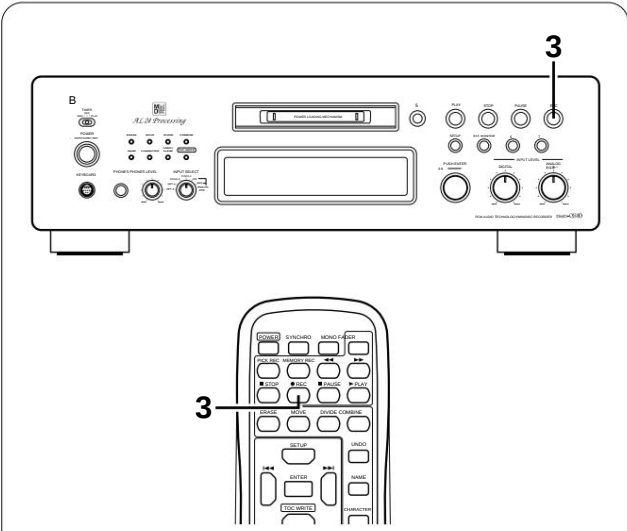
Do not press (POWER) or unplug the power cord from the outlet. This may damage the recorded content and

It may not be recorded correctly.

Various recording methods (continued)

(3) Synchronized recording: Recording simultaneously with playback on another device

• Playing music or other content on other devices connected to the input terminal recording will start automatically.



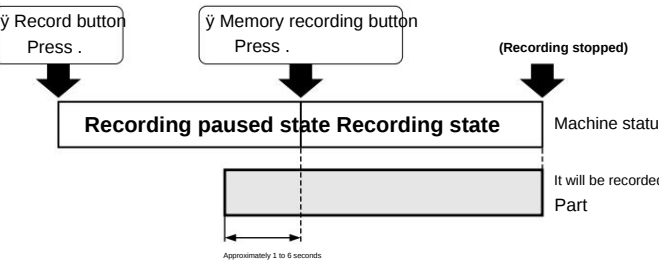
1	"How to start recording" (pages 33 and 34) We will carry out the following. • Press 1 ~ 8 and then press the stop button (2 STOP). the operation button to stop the operation.
2	"Setup Procedure (3) Synchro Recording Mode" (page 22) Turn Sync Mode to "ON". • The "SYNC" display will light up.
3	Press the record button. The recording pauses and the LEVEL (setting value) dB "Synchro Rec" will be displayed.
4	Recording with a CD player, cassette deck, etc. Play the song you want. • Recording will start automatically.
* To stop the synchronized recording, press the stop button (Please press STOP. * "Setup Procedure (4) Synchro Recording Level (5) Setting the Synchro Memory Recording Time (22, Please also refer to page 23.	

Note

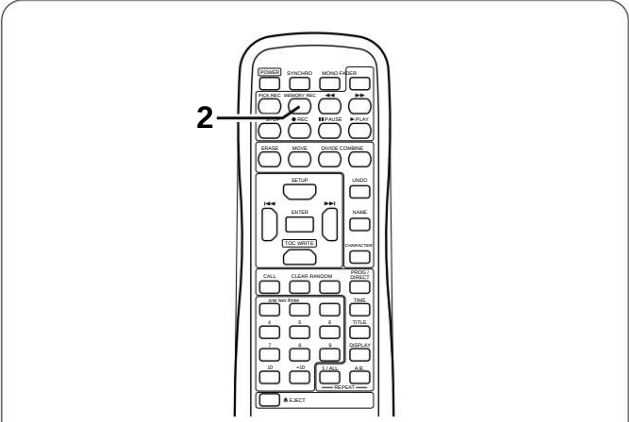
During synchronized recording, if there is a silent portion of about 4 seconds or more in the playback sound,
When you press the
If playback starts after this,
Once you start recording.
If there is noise between songs, the synchronous recording is not working properly .
In this case, synchronized recording may not work.
Please try again after changing the sound level settings.
When the synchronous recording is paused, the sampling
If the playback frequency changes, the track number will increase.
When the synchronized recording is paused, the recording mode , sync recording mode and input selector knobs (INPUT SELECT) cannot be switched.

(4)
When recording from up to 6 seconds of sound, "Memory recording"

* When recording is paused, the
The sound that was playing back about 1 to 6 seconds ago
You can start recording from



• Air check on satellite broadcasting etc.
The timing to start recording was delayed, and the beginning
This is useful to prevent missed sounds.



1	"How to start recording" (pages 33 and 34) We will carry out the following. Operation 1 ~ 8 Please do the following.
2	Press the memory recording button on the remote control. • When "Memory Rec" is displayed and set I'll go back and start recording a while ago.
* To stop memory recording, press the stop button (2 Please press STOP. * See "Setup Procedure (6) Setting the Memory Recording Time" Please also refer to "Definitions" (page 23).	

Note

This unit will start recording from the moment the input is paused.
The sound being recorded starts to be stored in memory.
Start recording about 6 seconds after pausing
If you do not start recording, you will not be able to record from about 6 seconds before.
In addition, if a signal is input within approximately 6 seconds before memory recording begins,
Use the INPUT SELECT knob to switch inputs.
When you switch, the audio input before the switch is recorded.
This may be the case.
• Memory recording is not possible in synchronous recording mode.

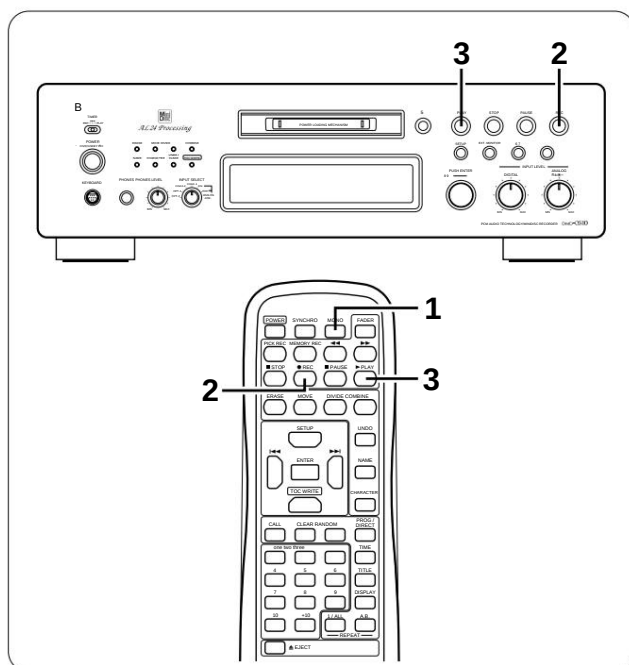
Various recording methods (continued)

(5) When recording in mono

Mono recording

* When recording in mono, you can record approximately twice as long as when recording in stereo.

• This is useful when recording mono songs or talk-based programs.



- 1** Press the recording switch button on the remote control.
 - The "MONO" display will light up.
- 2** Press the record button.
 - Recording will be paused.
- 3** Press the play button.
 - Recording will begin.

* To cancel mono recording, press the record button again. Press the switch button (MONO).

The indicator will go off and "Stereo" will be displayed.

* Even if the power of the main unit is turned off (E), the recording mode remains mono. is remembered.

Note

• You cannot change the recording mode while recording.

Recording mode switch button (MONO) for mono recording

Even if you switch to the sound mode, the recording monitor signal and The display level meter is mono.

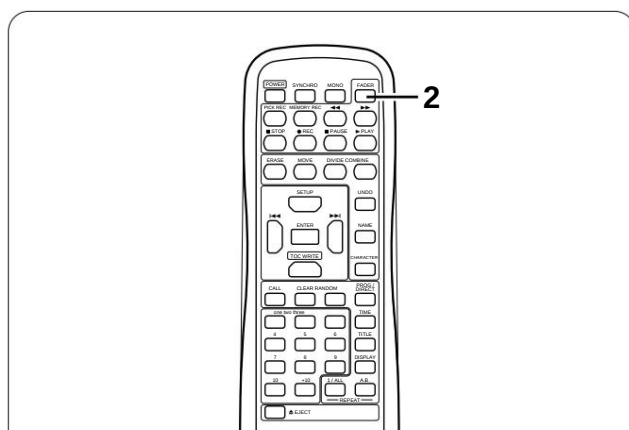
No, it won't happen.

(6) When recording with fade-in and fade-out

"Fader Recording"

• You can record by gradually increasing (fade in) or decreasing (fade out) the volume.

1 Fade-in recording



1 "How to start recording" (pages 33 and 34)

We will carry out the following.

Operation 1~ 8 Please do the following.

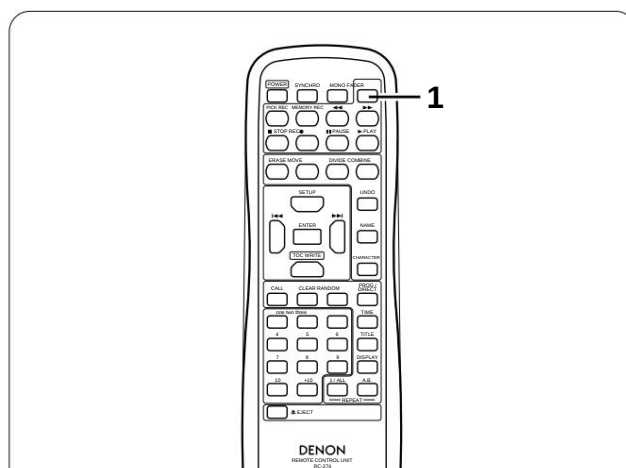
2

Press the fader button on the remote control.

- "Fadein" is displayed and "4" is displayed during fade-in. and the "1" mark will flash, and the set time will to adjust the recording level from -y to the currently set recording level. Gradually increase the volume to the bell and record.

* See "Setup Procedure (7) Setting the Fade-in Time" Please also refer to "Terms of Use" (page 24).

2. Fade-out recording



Press the fader button on the remote control during recording. Masu.

1

- "Fadeout" is displayed and during the fade-out The "4" and "1" marks flash and are set. time from the set recording level to -y. Gradually lower the recording level to pause recording. This will result in a

• "Setup Procedure (8) Fade-out Time"

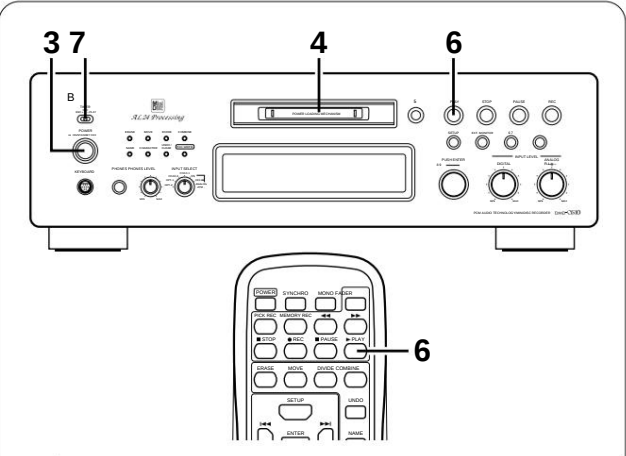
Please also refer to "Settings" (page 24).

14

How to use the timer for playback/recording

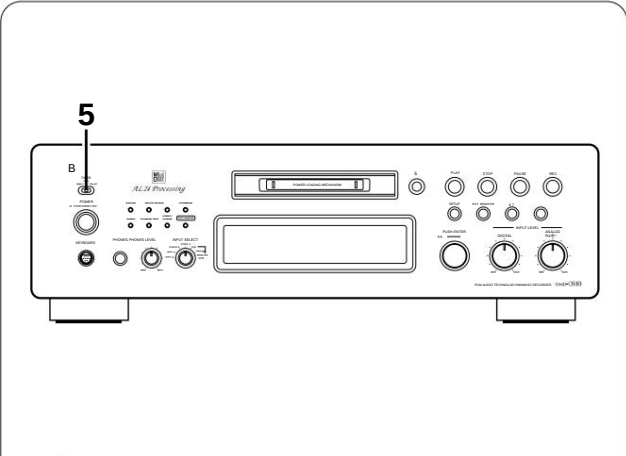
- When combined with the audio timer (sold separately), you can perform timer playback/recording.
- Please also refer to the audio timer's instruction manual before use.

(1) How to play using the timer



1	Connect this unit to an audio timer to play audio Plug the power cord of the video timer into a power outlet. Please insert it into the slot. * For connection, please refer to the separately sold audio timer. Please refer to the instruction manual.
2	Turn on the power for each connected device.
3	Turn on the machine.
4	Timer playback is performed on the disc insertion slot of this unit.
5	Now insert the mini disc.
6	Switch the amplifier function to "MD"
7	You can.
8	Press the play button.
9	• Play it once and then adjust the volume on your amplifier.
10	Set the timer switch on this unit to "PLAY"
11	Switch to.
12	Set the audio timer to the desired time.
13	• The device connected to the audio timer is turned off.
14	can be done.
15	• When the desired time arrives, the power will automatically turn on and the first song will start.
16	It will be played back.

(2) How to use the timer recording



1	Connect this unit to an audio timer to play audio Plug the power cord of the video timer into a power outlet. Please insert it into the slot. * For connection, please refer to the separately sold audio timer. Please refer to the instruction manual.
2	Turn on the power for each connected device.
3	"How to start recording" (pages 33 and 34)
4	We will carry out the following.
5	• 1 ~ 8 Please do the following.
6	Recording source by pressing the input switch button of the operation amplifier
7	Switch to the
8	Set the timer switch on this unit to "REC"
9	Switch to.
10	Set the audio timer to the desired time.
11	• The device connected to the audio timer is turned off.
12	can be done.
13	• The power will automatically turn on and start recording at the desired time.
14	Let's get started.

(Continued on page 40)

How to use the timer for playback/recording (continued)

Note :

When using the timer playback or recording, make sure the power button (POWER) on the unit is set to the ON (☺) position.

It will not work when the power button (POWER) is in the OFF position (☹).

- The contents recorded by timer recording will be recorded onto the minidisc when the power is turned on again. **TOC** this time, the " " display will flash. While this display is flashing, do not subject the unit to vibration, press the power button (POWER) on the unit, or unplug the power plug from the outlet.

To operate the timer again after a timer recording, first eject the mini disc and then reinsert it.

Please.

If the unit is not powered for 2 or 3 days after timer recording, the contents of the timer recording may be lost .

Please power on the unit within 3 days.

When you are not using timer playback or timer recording, be sure to set the timer select switch (TIMER) on this unit to

Please turn it to "OFF".

When you start a timer recording, it takes a few seconds for the recording to start after the power is turned on.

Set the start and end time for the timer.

- When performing timer recording on a minidisc that has been repeatedly edited, such as by erasing tracks, the available recording time may become shorter. Press the TIME button on the remote control to check the available recording time before performing timer recording.

During timer recording, do not press any buttons other than the power button (POWER), time button (TIME) and recording level adjustment knob (INPUT LEVEL) . is not accepted.

- To stop recording during timer recording, set the timer switch (TIMER) to "OFF" and then press the stop button (2 STOP). • When the mini disc's accidental recording/erasure

prevention tab is open, or when the mini disc is already recorded and "Disc Full" is displayed,

Timer recording is not possible when

15 How to edit

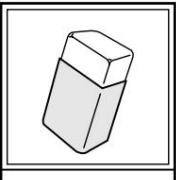
Using the editing function, you can add track numbers, connect songs, and erase unnecessary parts.

You can also give titles to each disc and song, allowing you to enjoy convenient editing operations for a variety of mini-discs.

(1) Edit

The editing function of this unit has the following four functions.

Editing function (EDIT)



• Erase one song (see page 41) • Erase all songs (see page 41) • Erase A-B (see page 42) • Erase disc name (see page 47) • Erase song name (see page 47)
 ERASE • Erase all names (see page 48)



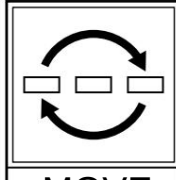
• Dividing a song (see page 43)

DIVIDE



Combining songs (see page 43)

COMBINE



• Moving songs (see page 44) • Moving program songs (see page 44)

MOVE

By combining the four editing functions, you can perform a variety of editing operations.

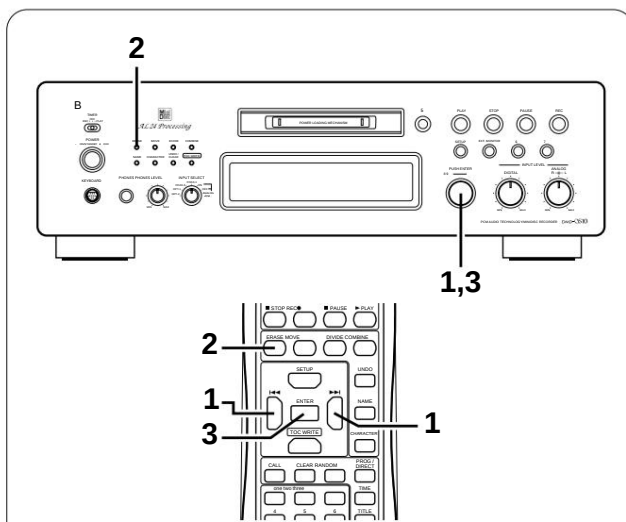
* When editing or entering titles, slide the tab to prevent accidental recording/erasure and close the hole so that you can record.

Please change it to.

How to edit (continued)

1 To erase a song

[Deleting one song at a time]



1 While stopped, rotate the jog dial on the unit or Press the automatic search button on the remote control to display the track number you want to erase.

* To erase a paused song, do not perform this operation.
Not required.

2 Press the erase button and select "Track Erase?" will be displayed.

Press the jog dial on the main unit or the
Press the Enter button to confirm erasing the song.
Masu.

3 • "Complete" will be displayed.
• The operation will stop when it is completed.
• If a song is paused, it will be erased.
If you erase a song while it is paused, the erase will
Then it stops.

When you delete a song, the song numbers after the deleted song will be renumbered in order.
will be changed to a number justified forward.

* When erasing two or more songs, start with the song with the highest number.

If you erase from the beginning, you will need to specify the track number you want to erase in advance.

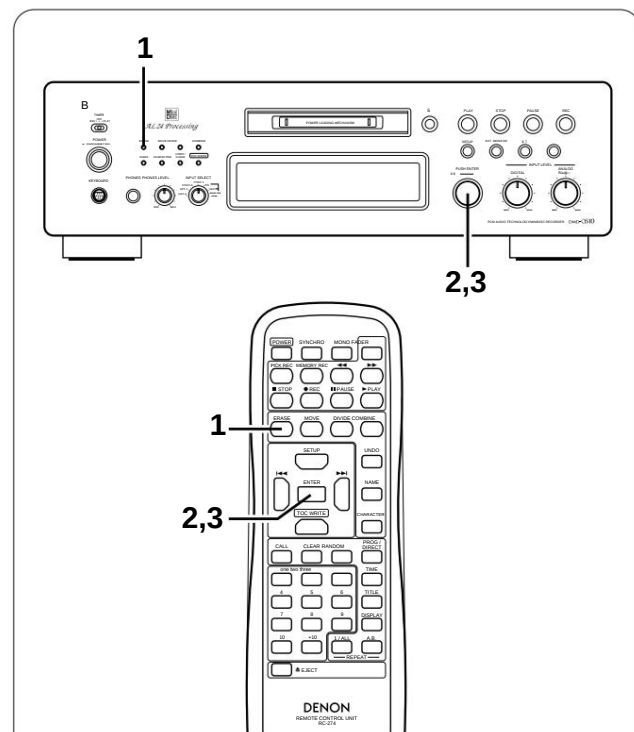
You can.

To stop erasing a song, press **3** Before the stop button

Press the 2 STOP button or the CLEAR button.

to make the "Track Erase?" display disappear.

[Delete all songs]



1 When stopped, press the Erase button to select "All Erase?" will be displayed.

2 Press the jog dial on the main unit or the
Press the enter button.

• A confirmation message will appear asking "Erase OK?"
Masu.

3 Press the jog dial on the unit again or
Press the Enter button on the remote control to
Confirm that you want to delete the song.

• "Complete" is displayed, then "Blank Disc"
will be displayed.

* Erasing with "ALL Erase?" is the same as erasing all songs.

Sometimes the disk name is also erased.

To stop erasing all songs, press **3** Before the stop button

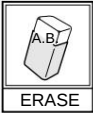
Press the 2 STOP button or the CLEAR button.

to clear the "ALL Erase?" or "Erase OK?"

Please do.

How to edit (continued)

[Erasing a part of a song]



* This is useful for erasing unnecessary parts of mini-discs recorded using the answering machine (AIR CHECK), etc.

1: ERASE button on the unit
2-9: Various buttons on the remote control (JOG, ENTER, STOP, etc.)

1	During playback, press the ERASE button to Erase?" will be displayed.
2	Press the jog dial on the main unit or the Press the enter button. • "A Point In?" is displayed.
3	Jog the unit at the position where you want to start erasing (point A). Press the dial or the Enter button on the remote control. Press the • "B Point In?" is displayed.
4	At the point where you want to end erasing (point B), press the jog dial on the unit. Press the dial or the Enter button on the remote control. Press [ENTER]. • "Position OK?" is displayed. • The transition between songs will be played repeatedly for a few seconds.

5	<When you want to fine-tune point A> Rotate the jog dial on the unit or press the Press the automatic search button to find point A. Move the • "A Point ± number of points" will be displayed. • The maximum range of fine adjustment is -176 to +176 points. (1 point is about 0.012 seconds)
6	Press the jog dial on the main unit or the Press the Enter button to reset point A. • "B Point ± number of points" is displayed.
7	<When you want to fine-tune point B> Rotate the jog dial on the unit or press the Press the automatic search button to find point B. Move the • "B Point ± number of points" is displayed. • The maximum range of fine adjustment is -176 to +176 points. (1 point is about 0.012 seconds)
8	Press the jog dial on the main unit or the Press the enter button. • "Position OK?" is displayed. • The transition between songs will be played repeatedly for a few seconds.
9	Press the jog dial on the main unit or the Press the Enter button to confirm the A-B deletion. I will. • "Complete" will be displayed.

* If you want to go back to the previous state, press the CLEAR button.
Please press
To stop erasing between A and B, press 9 Stop button before
Press the 2 STOP button.

* The repeat playback range is 4 seconds before point A or the beginning of the song.
The shorter one and either 4 seconds after point B or the end of the song, whichever is shorter.
Plays repeatedly.

* Erasing between AB can only be performed within the song where point A is specified.

How to edit (continued)

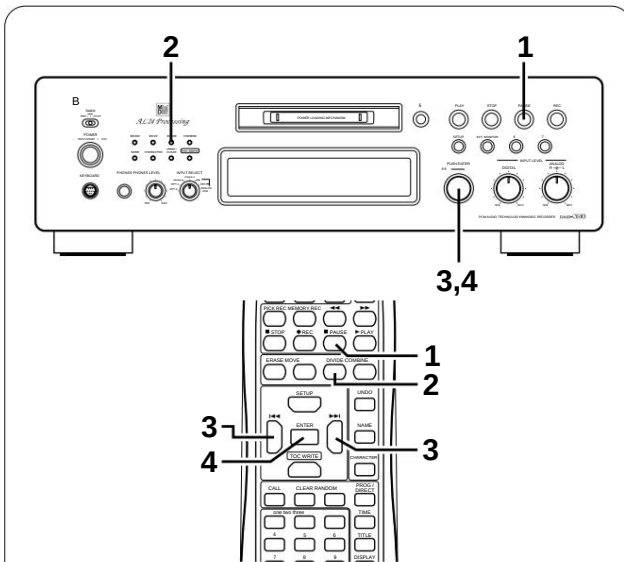
To split two songs

• Divide songs and assign track numbers after recording
You can.

• You can add track numbers wherever you like.

This makes it easy to select songs.

You will be able to do this.



1 During playback, press the pause button at the point where you want to split the song.
Press.

2 Press the divide button.
• Repeatedly play 4 seconds from the split position,
"Position OK?" will be displayed.

3 **<When you want to fine-tune the split position>**
Rotate the jog dial on the unit or press the
Press the automatic search button to split
Move the position to which the
Press the Enter button to confirm the position.
Specify the
• "Position ± number of points" is displayed.
The maximum range for fine adjustment is -255 to +255 points.
(1 point is about 0.012 seconds)

4 Press the jog dial on the main unit or the
Press the ENTER button to confirm the song division.
• "Complete" will be displayed.
After the split is complete, pause at the beginning of the next song.
It will be.

* If you want to go back to the previous state, press the Clear button (CLEAR).

Please press

* When dividing a song with a title, the title of the latter half of the song
will be gone.

* To restore a split song, see "To combine songs."

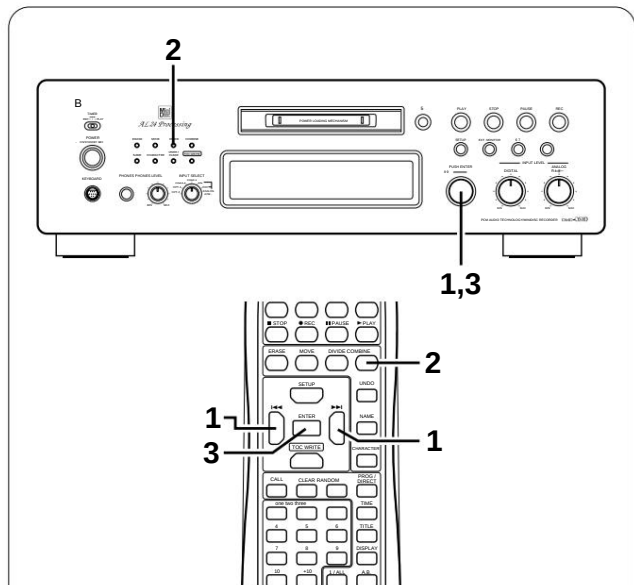
Please refer to

To **stop splitting a song**, press **4** Before the stop button
Press the 2 STOP button or the CLEAR button.
Please do.

To combine three songs

• Combine two consecutive songs into one

You can.



1 While stopped, rotate the jog dial on the unit or
Press the automatic search button on the remote control
The larger track number of the two tracks to be combined is displayed.
I will show you.

2 Press the combine button.
The last 2 seconds of the song before joining and the beginning of the specified song
It plays 2 seconds repeatedly for several seconds.
• "Combine OK?" is displayed.

3 Press the jog dial on the main unit or the
Press the ENTER button to confirm the song combination.
• "Complete" will be displayed.
After the merging is complete, the beginning of the resulting song will
It will be in stopped state.

* If you want to go back to the previous state, press the Clear button (CLEAR).

Please press

* To restore the combined songs, see "To split a song."

Please refer to

* You can combine songs even during pause.
the track that is paused will be combined with the track before it.

* The song title should be the one with the smallest track number of the two songs you want to combine.

It will be.

* To stop combining songs, press **3** Before the stop button
Press the 2 STOP button or the CLEAR button.
Please do.

Note

• Songs recorded from digital input and songs recorded from analog input

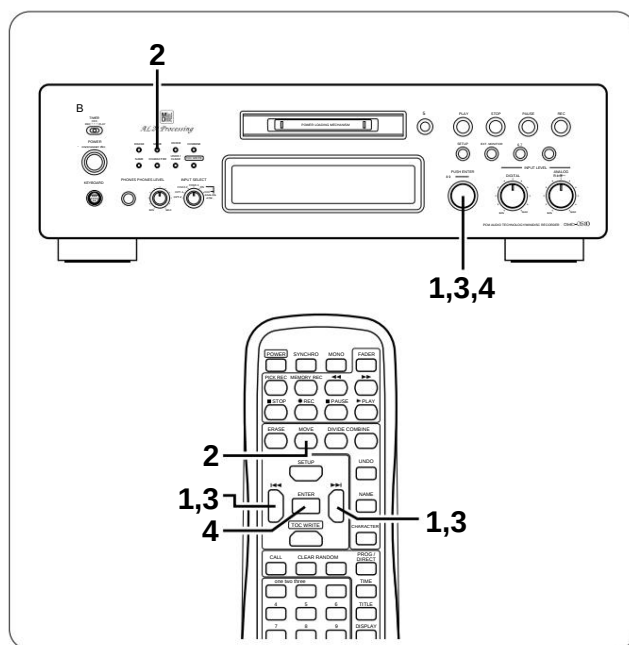
You cannot combine songs that have been played.

• Songs recorded in stereo and songs recorded in mono will end up
cannot be combined.

• Short songs under 15 seconds may not be combined.

How to edit (continued)

4 To move one song at a time

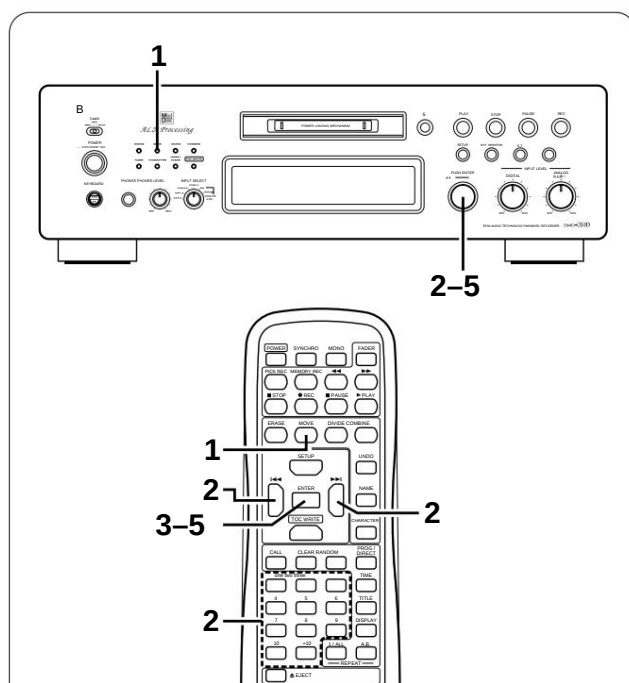


- 1** While stopped, rotate the jog dial on the unit or Press the automatic search button on the remote control to display the track number you want to move.
- 2** Press the move button.
 - After "Move" is displayed, "ÿÿTr Mv ÿÿ Tr" will be displayed.
- 3** Rotate the jog dial on the unit or press the Press the automatic search button to move Specify the next track number.
- 4** Press the jog dial on the main unit or the Press the Enter button to confirm the song move. Masu.
 - "Complete" will be displayed.

To stop moving songs, press **4** Before the stop button Press the 2 STOP button or the CLEAR button. Please press.

5 Sorting by program

ÿ This is useful when rearranging the song numbers of songs recorded on a minidisc.



- 1** Press the MOVE button while stopped.
 - After "Program Move" is displayed, select "New 0ÿ --Tr" is displayed.

- 2** Rotate the jog dial on the unit or press the Automatic search button or numeric keypad Press the +10 button to start a new song. Set the track number.
 - "New 0ÿ --Tr" is displayed.

- 3** Press the jog dial on the main unit or the Press the Enter button to start a new song.

This confirms the track number you want to play.

- "New 0ÿ ÿÿTr" is displayed and the second track is The device will now wait for you to enter the track number you want to play. To continue moving the track number through the program, press 2. 3 This process is repeated.

- 4** While waiting for song number input, press the jog dial on the unit. Press or press the Enter button on the remote control. to display "Prog. Move OK?"

- 5** Press the jog dial on the main unit or the Press the Enter button to confirm the song move. Masu.
 - "Complete" is displayed and the program sequence is completed. Move the song to

* You can specify up to 25 song numbers.

* If you **4** press the clear button (CLEAR) during operation, The tracks will be deleted in order starting from the last programmed track number.

* You **5** When you press the CALL button, can check the operations you performed.

To stop moving songs, press **5** Before the stop button Press the button (2 STOP).

Note

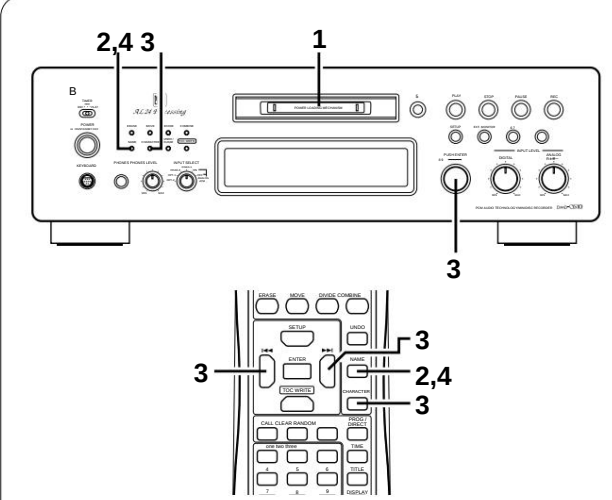
- Songs other than the programmed songs can be played without changing the It will be sorted backwards.
- You cannot program the same song more than twice.

How to edit (continued)

(2) Add a title

• You can enter up to 100 characters for each song title and disc name.

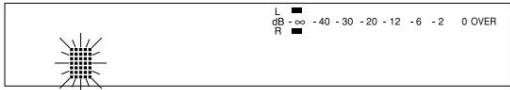
1 To name a disc



1 MiniDisc, which allows you to name discs on the disc slot
Insert the sc.

2 Press the Name button and select "Disc Name In."
Display it.

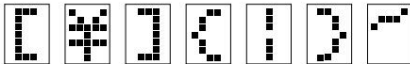
- The cursor will flash, indicating that it is waiting for you to enter a title.



3 Rotate the jog dial on the unit or press the
Press the automatic search button to
Enter the tor.

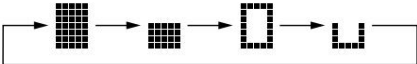
Even if you can enter data on this device, it will not be displayed on other devices.

Please note that there are special characters.



etc.

- Press the character button (CHARACTER)
The cursor changes shape each time.



[Cursor explanation and characters/symbols that can be displayed]



..... Uppercase alphabet and numbers input mode
ABCDEFGHIJKLMNOPQRSTUVWXYZ
XYZ0123456789

..... Lowercase English Number Input Mode
abcdefghijklmnopqrstuvwxyz012345
6789

..... Special character input mode
Blank! ``y\$%y'()yy,y.y
;,<=>? @y*yyy{ }

..... Katakana input mode
I'm going to talk to you about what I'm talking about.
I'm so happy

3 Continued

- To input a voiced consonant (y) or semi-voiced consonant (y),
Enter the character that can be semi-voiced before
Select and enter the next character only when
You can.
- 7 Button or jog dial on the unit
Press (PUSH ENTER) or the Enter button on the remote control.
Press the – button (ENTER) to enter the selected character.
The input is confirmed and the device waits for the next character to be entered.
Press button 6 to move the cursor back.
Use this to correct the entered characters.

4 When you have finished entering characters, press the Name button.
to register the title you entered.

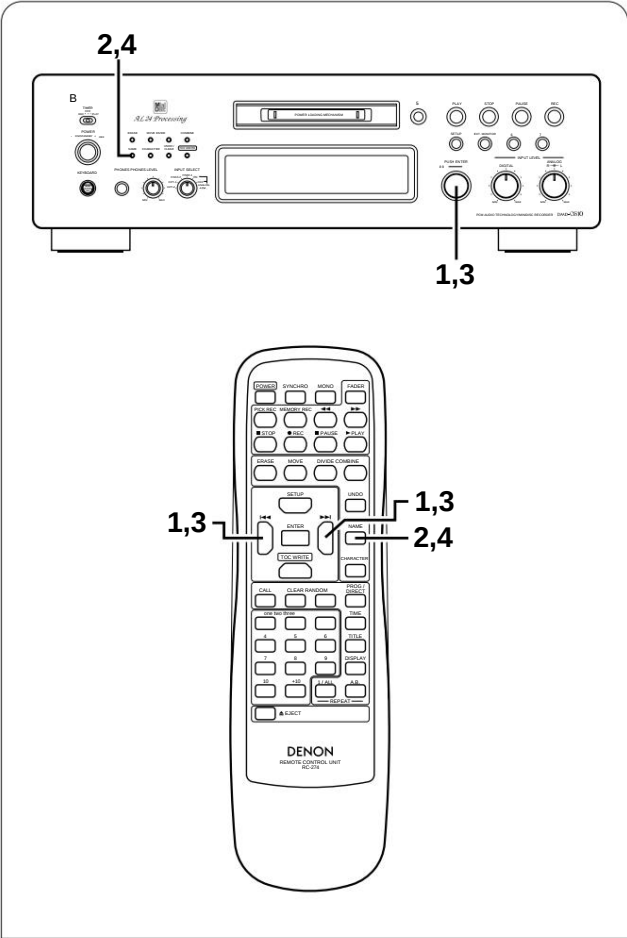
- The registered disc name will scroll.

To erase characters, move the cursor to the character you want to erase .
and then press the CLEAR button.

• Delete characters with voiced consonants (y) or semi-voiced consonants (y)
If the voiced or semi-voiced consonants are deleted,
* When editing text, first erase the text you want to edit, then
Please enter the characters again.

How to edit (continued)

2 To name a song



- 1

While stopped, rotate the jog dial on the unit or Press the automatic search button on the remote control to display the track number.
- 2

Press the Name button to display “Tr. Name In.” I will show you.

 - The cursor will flash, indicating that it is waiting for you to enter a title.

- 3

Rotate the jog dial on the unit or press the automatic search button to Enter the title.

 - For details on how to enter a title, see "Display "How to name a folder" procedure3 See

- 4

When you have finished entering characters, press the Name button. to register the title you entered.

 - The registered song titles will scroll.

* If you name a song while playing or recording, the song will change. Please finish naming the song before the song starts. If you do, any characters you have entered up to that point will be invalidated.

* Any characters entered while recording is paused can be cleared by pressing the stop button Press (2 STOP) to disable it.

Note

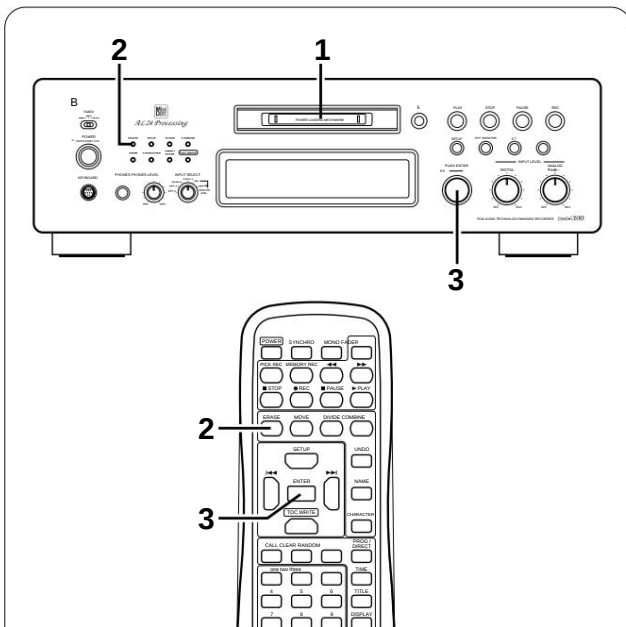
- Katakana titles entered with this unit can be entered using Katakana input. It will not be displayed correctly on devices that do not support this function. Also, some katakana input devices may not be able to input the characters correctly. It may not be displayed.
- Enter up to 100 characters for the disc name and song name. If the number of characters exceeds 100, the display “Name Full” will be displayed. If you have entered more than 100 characters on another MiniDisc recorder, The title input operation is performed on the mini disc using this unit. Any characters over 100 will be deleted. You can enter up to 1700 characters including the disc name and song name . If the number of characters is exceeded, the display will show “Name Full” will be displayed.
- Katakana has a large amount of data per character, so The number of characters that can be entered is smaller than for alphanumeric characters.
- You cannot input characters in kanji on this unit. If you use a minidisk with Chinese characters entered on it using another device, will not be displayed correctly.

How to edit (continued)

(3) Erase the title

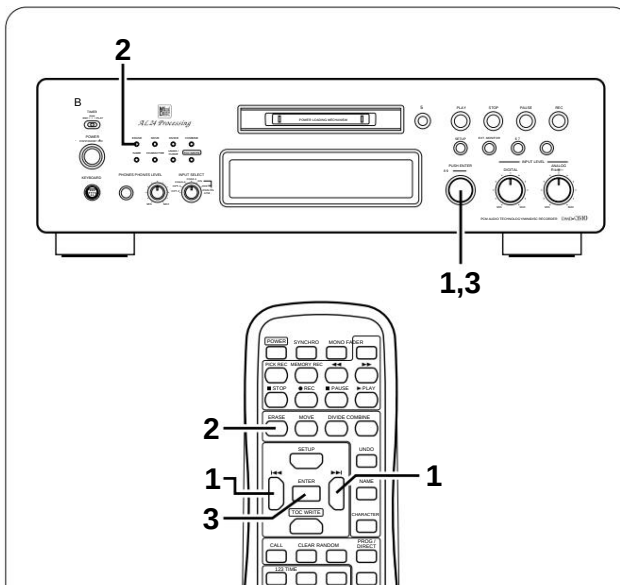
• This is useful when you want to change or erase a song title or disc name.

1 To erase the disc name



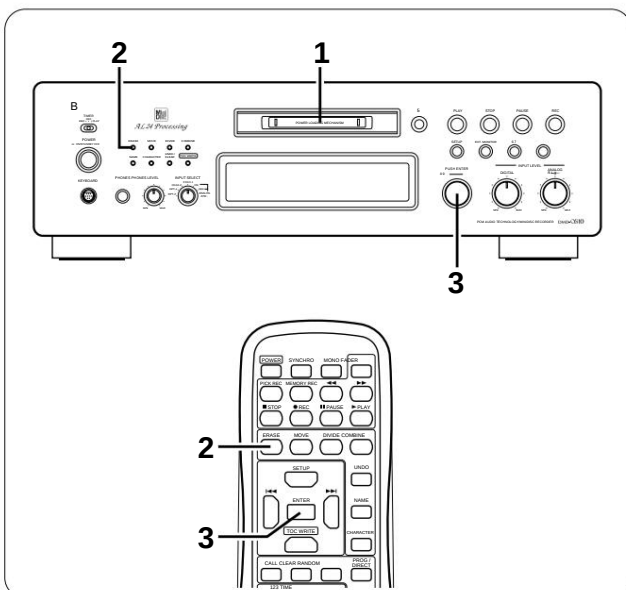
- 1** Mini erase disc name on disc slot
Insert the disc.
- 2** When the player is stopped and the total number of tracks is displayed,
Press the race button and say "D. Name Erase?"
will be displayed.
- 3** Press the jog dial on the main unit or the
Press the Enter button to erase the disc name.
Confirm.
• "Complete" will be displayed.

2 To erase a song title



- 1** While stopped, rotate the jog dial on the unit or
Press the automatic search button on the remote control
to display the track number you want to erase.
- 2** When the track number to be erased is displayed,
Press the mouse button to select "T. Name Erase?"
Display it.
- 3** Press the jog dial on the main unit or the
Press the Enter button to confirm the deletion of the song title.
I will.
• "Complete" will be displayed.

3 To erase all track and disc names



- 1** All song titles and discs are displayed on the disc slot.
Insert the minidisc from which you want to erase the disk name.
- 2** When the player is stopped and the total number of tracks is displayed,
Press the race button and say "A. Name Erase?"
will be displayed.
- 3** Press the jog dial on the main unit or the
Press the Enter button to display all the song titles and
Confirm that you want to erase the drive and disk name.
• "Complete" will be displayed.

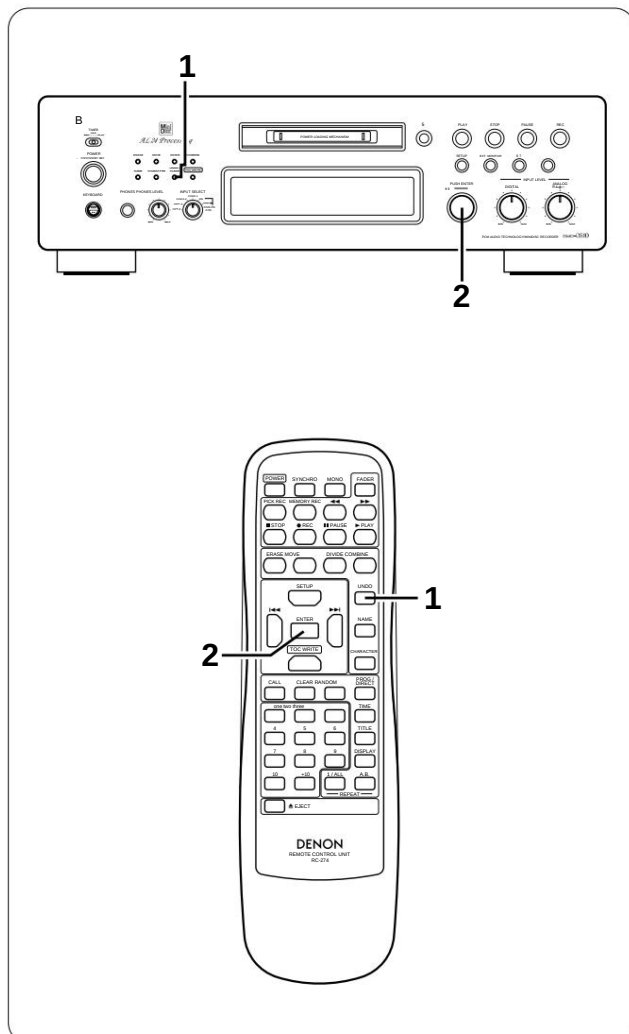
How to edit (continued)

(4) Undo the last edit

UNDOfunction"

• You can undo the last edit you made and revert to the previous edit.

This is useful when you make a mistake in editing.



When stopped, press the **UNDO/CLEAR** button on the unit.
or press the **Undo** button on the remote control.

Depending on the last edit you made, the following message will appear :

A message will be displayed.

•When you enter or change the song name or disc name

•"Name Undo?"

- Song name, disc name, 1 song, all songs, part of a song

If you erased the minutes, select "Erase Undo?"

•If you divided the file , click "Divide Undo?"

•If combined • "Combine Undo?"

•When moving or moving a program

•"Move Undo?"

1

When you are not performing any editing operations or
undo

If you can't "UNDO" it, it's "Impossible"

will be displayed.

In the following cases, use the ^{undo}UNDO "you can't.

- When the TOC information is rewritten

When a new recording is made

- When you start a new editing operation

When there is a power outage

•^{undo}UNDO When

When you enter a name other than when stopped

2

Press the jog dial on the main unit or the

Press the Enter button to cancel the edit.

Confirm the selection.

• "Complete" will be displayed.

* To stop undoing the edited content, press **2** Before

Top button (2 STOP) or clear button

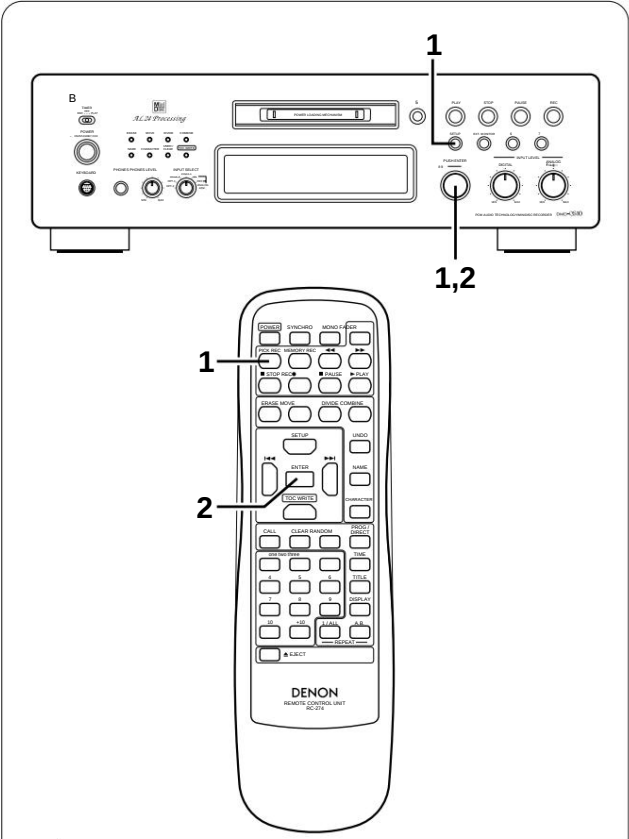
Please press (CLEAR).

16 About the Pick-Record Function

- * The Pick-Record function allows you to play music on a CD or tuner by setting the unit to Pick-Record mode.
This function allows you to perform recording operations in the middle of a song.
- * The Pick-Record function can only record the contents from the time you start Pick-Record in Pick-Record mode.
If you switch to Pick-Record mode in the middle of a song, you will not be able to record from the beginning of that song.

(1) How to get started with Pickrec

- * Follow the instructions in "How to start recording" (pages 33 and 34) to set the unit's input, recording level, etc., beforehand, and then start recording.
Please pause the game before performing the following operations.



1

<When setting the Pick-Record mode on the console>

While recording is paused, press the setup button

Turn the jog dial to select "Pick Rec Go?"

and press the jog dial to confirm.

- The "PICK" display will light up.

After about 2 seconds, the display will show "Pick Recording is possible."

The time is displayed.

The pick-record time runs out.

, you can do the following:

1

Pick-record with remote control

When setting the mode

While recording is paused, press the Pick-Record button.

Masu.

The same as when you set the Pick-Record mode on the main unit.

The same state will be achieved.

2

When you want to record the track number you are picking up

If you press the joystick on the unit before the playback of that track number finishes,

Press the dial or the Enter button on the remote control.

Press the button.

- The "PICK" display flashes and the music calendar
- The track number will light up and that track will be recorded.

When the song number changes, the "PICK" display will light up,

That track number will not be recorded.

3

The track number being picked up

When you don't need to record

If you do nothing, the track number will not be recorded.

plug.

- Tracks with the "PICK" indicator lit will not be recorded.

plug.

* Operate during a song **1** When the song is played,

You cannot record from scratch.

* Analog input (ANALOG ATM ON), or CD or

Pick-recording with digital input from devices other than MD

If this is done, the track number may change even during the song.

You need to perform the operation for all the tracks you want to record.

Please do.

* Press the **2** Enter button on the main unit or remote control to operate.

If you no longer need to record after pressing (ENTER),

Press the ENTER button again during recording of the track number.

Press the button. The "PICK" indicator will turn on and the music will

The track number on the digital calendar will go dark and recording will be canceled.

About the Pick-Record function (continued)

Pick-record available time

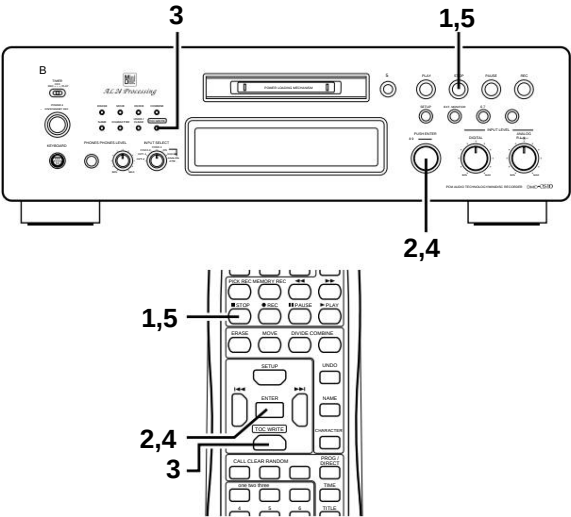
- The available recording time from the time you start Pick-Recording will be the available recording time on the recording disc. Use a disc that can record for as long as possible, and while Pick-Recording, check the available recording time on the display and pay attention to the remaining time.
- When the Pick-Recording time runs out, the Pick-Recording will automatically stop. In this case, "(2) Pick-Recording Please complete the writing to the disc by using the "How to stop" procedure.
- Even if there is still available Pick-Record time remaining, if the track number after you start Pick-Record is 36 or more, the "PICK" display will flash twice. After this display appears, you will not be able to select "Record/No Recording," so please stop Pick-Record, complete writing to the disc, and then start Pick-Record again.

Note : If

the unit is in the stopped state and a recordable disc is inserted, the unit will stop recording after about 2 seconds when you press the PICK REC button. In this case, press the PICK REC button at least 2 seconds before playing the song you want to record.

- The music calendar will only light up to 20 songs, but Pick-Record is possible from song 21 onwards.
- When you enter Pick-Record mode, Sync Recording mode is cancelled.

(2) How to stop pickle recording



1

Press the Stop button. • Recording stops and the "PICK" indicator goes out. • "P. Rec OK?" is displayed.

* When the pick-recording time runs out, it will stop automatically and "P. Rec OK?" will be displayed.

2

<When the selection of the songs to record has been successful> Press the jog dial on the main unit or the Enter button on the remote control. • "P. Rec Edit" will be displayed.

- Press the Enter button during Pick Record to organize on the disc only the track numbers selected for "recording".
- Do not perform any other operations while this display is displayed. This may damage the recorded content or cause it to not be recorded correctly.
- The songs you select to "Record" will be rearranged in order, and the song numbers on the Music Calendar will light up.

3

Press the TOC Write button to display "TOC Write OK?"

Press the jog dial on the unit or the Enter button on the remote control to write the TOC information. • When writing starts, the " " display will flash. **At TOC** time, do not vibrate the unit, press the unit's POWER button, or unplug the power plug from the outlet. This may damage the recorded contents or cause them to be recorded incorrectly. • To write TOC information, press the Eject button.

4

You can also press (EJECT) to eject the mini-disc, or press the power button (POWER) on the remote control to put the unit into standby mode.

5

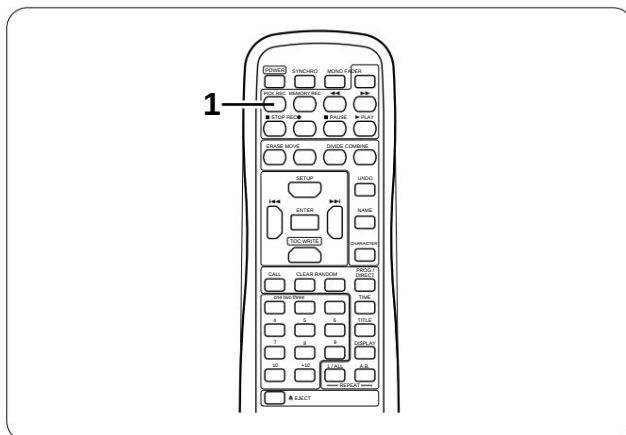
When you have trouble selecting the song to record

Press the Stop button. " P. Rec Cancel" will be displayed. All track numbers played since you started Pick-Rec will be recorded to the disc. The track numbers in the Music Calendar will light up .

* If you put the unit into standby mode using the power button (POWER) on the remote control during Pick-Recording, all songs played from the start of Pick-Recording will be recorded to the disc. * Even if you stop Pick-Recording a few seconds after starting it, The message "P. Rec OK?" may appear, but sometimes no songs have been recorded.

About the Pick-Record function (continued)

(3) When you stop Pick-Record and start normal recording



Press the Pick-Record button on the remote control.

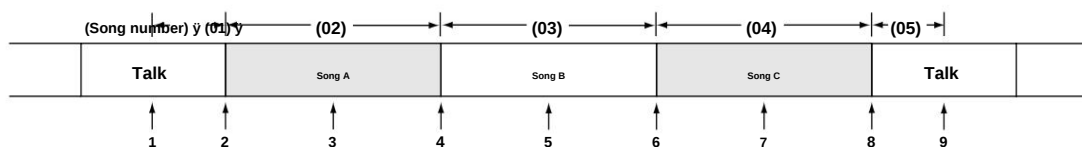
- The "PICK" indicator goes out and the Pick-Record mode is activated.
- The song number on the music calendar will light up. It lights up.
- Recording of the song being played will continue. Masu.

This will put you into normal recording mode.

- The songs played since the beginning of Pick-Record are
- Record everything regardless of the Enter button input will be done.
- To stop normal recording, see "Ending Recording" on page 35 .
- Please refer to "How to stop".

(4) Examples of using Picklec

Here is an example of how to pick-record a music program (using a blank disc).



1 Start the operation¹ Pick-let on page 49. (Track number: 01)

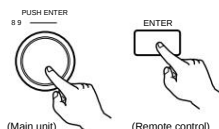
- The "PICK" display will light up.

2 The track number will change. (Track number: 02)

- The "PICK" display remains lit.

3 "I want to record song A!"

Jog dial on the unit
Press or on the remote control
Press the enter button
Masu.



- The "PICK" display will start flashing and the music calendar will
- The "2" on the left will light up.

4 The track number will change. (Track number: 03)

- The "PICK" display will stay lit.

5 "You don't need to record song B."

No action is required.

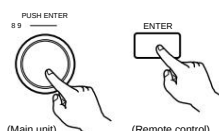
- The "PICK" display remains lit.

6 The track number will change. (Track number: 04)

- The "PICK" display remains lit.

7 "I want to record song C!"

Jog dial on the unit
Press or on the remote control
Press the enter button
Masu.



- The "PICK" display will start flashing and the music card will
- The renderer "4" will light up.

8 The track number will change. (Track number: 05)

- The "PICK" display will stay lit.

9 When the song has finished broadcasting, stop the 1 ~ 4 pick-recording by following the instructions on page 50.

- Only songs A and C will be recorded onto the disc.
- The track numbers are edited as follows: Track A is 01, Track B is 02, and
- The GIC calendar lights up "1 2".

Note

Analog input (ANALOG ATM ON) or CD or

In the case of digital input from a device other than MD, 2, 4, 6, 8 If there is no silence for more than 2 seconds at

The track number will not change.

In this case, press the play button on the main unit or remote control (1). Press to switch track numbers, or after completing Pick-Record, After completing the procedure in "(2) Stopping Pick-Record" on page 50, proceed to "How to Divide a Song" on page 43, Refer to "To erase a song" on page 41 to divide and erase the song. Please erase it.

After recording, press the TOC light button once .

WRITE) to write the TOC information to the disc.

Then try editing again.

- To write TOC information, press the eject button (5).

Press to eject the disc and to turn the remote on

Press the button (POWER) to switch the power to standby mode.

This also applies to operations that

When you start writing , the " " display TOC start flashing.

At this time, do not subject the unit to vibration or disconnect the power plug.

Do not disconnect the power cord from the wall outlet.

The edited content may be damaged or not recorded properly.

There is a saying.

17 How to monitor external inputs

External input signals being input to each input terminal can be monitored at each output terminal.

1

Press the eject button to remove the mini disc.
Eject or press the stop button to play
Stop the operation.

2

I want to monitor using the input switch on the unit
Select the input signal.

3

Press the external input monitor button on the main unit.

- Use the INPUT SELECT knob to barrel (COAX-1, COAX-2, OPT-1, OPT-2)
If set, adjust the digital recording level
The setting value of the DIGITAL INPUT LEVEL knob is approximately
It will be displayed for 2 seconds.
- "Ext. Monitor" is displayed and the selected input signal is output to each output terminal.
- If a digital input signal is selected, "Ext. Monitor" and sampling frequency display
The sampling frequency of the digital input signal is "Ext. Analog" if a log input signal is selected will be displayed.
- When a digital input signal is selected and "Ext. Monitor" is selected is displayed and **D.IN** indicator is flashing.
The digital input signal is unlocked.
In this case, please refer to "Connection
Please refer to "Installation and Troubleshooting" to check the connection.
- Digital and analog input signal recognition
The bell is the recording level adjustment knob (INPUT LEVEL).
It can be changed by.

*** To stop external input monitoring, press the external input again.**
Press the monitor button (EXT. MONITOR).
Also, when you start playback while in external input monitoring mode,
The external input monitor will not stop even if you perform other operations such as
You can.

*** When monitoring a signal with a sampling frequency of 96 kHz, the level
The volume meter and digital volume will not work.**

18 Connecting and Operating the Keyboard

Connecting a Keyboard

ÿ Connect an IBM PC compatible keyboard to
You can control the DMD-S10 from the
can.

- Keyboard that can be connected

IBM 106 keyboard

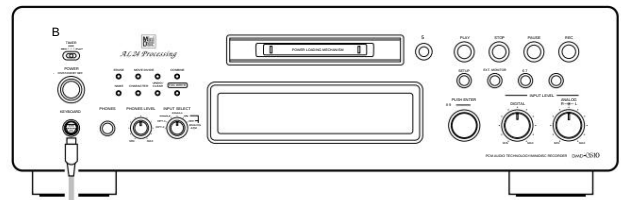
(Connector: 6-pin small DIN PS/2 type)

- Corresponding code

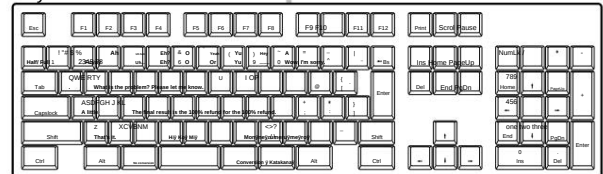
SCAN CODE SET 02

* Please turn off the power before connecting the keyboard.
Doing so may cause the unit to malfunction.

DMD-S10



Key Board

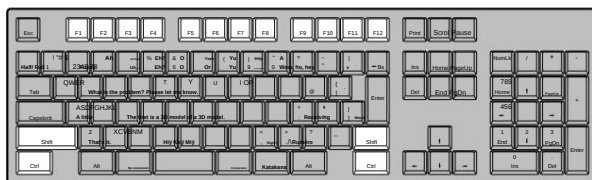


Note: Turn off the power to the main unit before connecting.

Keyboard Operations

ÿ Each key on the keyboard is assigned to a specific operation on the main panel. Also, depending on the operation mode of the main unit,
The key functions change.

[← key functions]



- | | |
|-----|---------------------------------------|
| F1 | This is the "SYNCHRO" button. |
| F2 | This will be the "MONO" button. |
| F3 | This is the "PICK REC" button. |
| F4 | This becomes the "MEMORY REC" button. |
| F5 | This becomes the "STOP" button. |
| F6 | This becomes the "REC" button. |
| F7 | This becomes the "PAUSE" button. |
| F8 | This becomes the "PLAY" button. |
| F9 | This becomes the "FADER" button. |
| F10 | This becomes the "TIME" button. |
| F11 | This becomes the "TITLE" button. |
| F12 | This becomes the "DISPLAY" button. |

- **Shift** While holding down the key, **press** the key
will switch to the next function.

- | | |
|----|-------------------------|
| F1 | This is the "8" button. |
| F2 | This is the "9" button. |
| F3 | This is the "6" button. |
| F4 | This is the "7" button. |

- | | |
|-----|--|
| F5 | This becomes the "PROG/DIRECT" button. |
| F6 | This becomes the "RANDOM" button. |
| F7 | This becomes the "CALL" button. |
| F8 | This becomes the "CLEAR" button. |
| F9 | This becomes the "REPEAT" button. |
| F10 | This is the "AB" button. |
| F11 | This becomes the "EJECT" button. |
| F12 | This is the "POWER" button. |

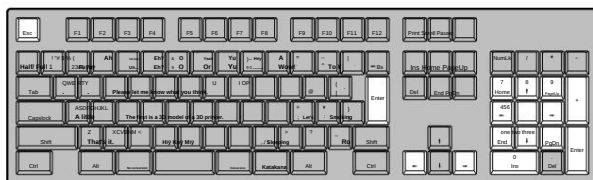
- **Ctrl** While holding down the key, **press** the key
will switch to the next function.

- | | |
|-----|--------------------------------------|
| F1 | This is the "8" button. |
| F2 | This is the "9" button. |
| F3 | This is the "6" button. |
| F4 | This is the "7" button. |
| F5 | This becomes the "ERASE" button. |
| F6 | This becomes the "MOVE" button. |
| F7 | This is the "DIVIDE" button. |
| F8 | This becomes the "COMBINE" button. |
| F9 | This becomes the "NAME" button. |
| F10 | This becomes the "UNDO" button. |
| F11 | This becomes the "TOC WRITE" button. |
| F12 | This becomes the "SET UP" button. |

Keyboard Connection and Operation (continued)

[Other key functions]

1) In normal operating mode



1 to 9 keys These are the "1 to 9" buttons.

0 This is the "10" button.

+ This is the "+10" button.

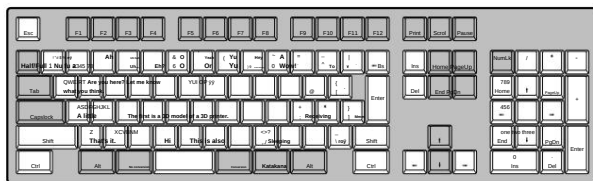
Enter Performs the action of "PUSH ENTER".

Esc This becomes the "CLEAR" button.

y This is the "8" button.

y This will be the "9" button.

2) When editing the name



Enter lowercase alphabets . (Capslock OFF)

- Enter Katakana (see page 55).

Numeric keys Enter numbers.

Symbol key: Enter symbols.

Enter numbers using the 10-key pad .

+ Enter the symbol "+".

- Enter the symbol "-".

Ins Inserts characters.

Del Deletes a character.

B.S. Go back one character and delete it.

y Move the cursor one position to the right.

y Move the cursor one space to the left.

Esc Cancels the name entry.

Enter Confirm the name input (press "PUSH ENTER")
I will.

- Shift Hold down the key and press the key to access the following functions:
will be replaced by.

Enter uppercase alphabetic characters. (Capslock OFF)

- Enter Katakana (see page 55).

Enter the numeric keypad symbols.

Symbol key: Enter symbols (upper row).

Enter numbers using the 10-key pad .

Del Deletes the text after the cursor.

y Move the cursor to the right edge of the display window.

y Move the cursor to the left edge of the display window.

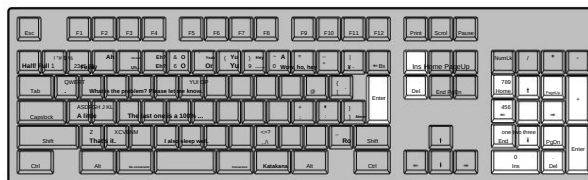
- Ctrl Hold down the key and press the key to access the following functions:
will be replaced by.

Del Deletes the entire string.

y Moves the cursor to the last character.

y Moves the cursor to the first character.

3) In program mode



1-9 keys Enter the program songs.

- These are the "1 to 9" buttons.

0 Enter the program tracks.

- This is the "10" button.

+ This is the "+10" button.

Ins Inserts a program song.

Del Deletes the program song.

Enter Confirming a track (operation of "PUSH ENTER")
I will.

Keyboard Connection and Operation (continued)

To input Katakana

* If you want to give the disc name or track name in katakana, enter it in romaji.

Enter "^^" at the beginning and end of the

character. Example: ^MINIDEISUKU^ ħ MiniDisc

^RAtuPU^ ħ Rap • If there is even

one character between "^^" that cannot be converted, the whole character will remain in romaji.

Example: ^LAtuPU^ ħ ^LAtuPU^

• If there are numbers or symbols other than Roman characters enclosed by "^^", they will not be recognized as characters that cannot be converted.

It is not possible to enter a character, so the character is

displayed as is. Example: ^RAtuPU 1^ -> rap 1

• The maximum number of characters that can be converted at one time by entering between "^^" and "^^" is 80, including "^^". If editing the katakana already entered would exceed 80 characters, please use "^^" to separate them.

Romaji Katakana conversion table

a	i	u	e	o
A	I	Uh...	Yeah	O
A	I	U	E	o
A	I	U	E.	O
KA	K.I.	KU	K.E.	KO
Car	Key	Q	Case	Co
SA	SI	S.U.	SE	SO
Sa	Shi	S	Se	So
T.A.	T.I.	TU	TE	TO
Tag	Chi	Tsu	The	To
NA	NI	NU	NE	NO
Na	Niħ	Nu	Ne	No.
HA	HI	HU	HE	H.O.
Har	Hi	F	Heħ	Ho
MA	MI	M.U.	ME	MO
Ma	M	M	Me	Mo
Y.A.		YU		YO
Ya		Yu		Yo
RA	RI	RU	RE	RO
La	Ri	Lu	Re	RO
W.A.				WO
Wow				Wo
GA	G.I.	G.U.	GE	GO
Gaħ	Gi	Good	G	Gold
Z.A.	ZI	ZU	Z.E.	Z.O.
The	J.	Z	Ze	Zo
D.A.	DI	D.U.	DE	DO
Da	D	Z	De	Do
BA	BI	BU	B.E.	BO
B	Bi	B	Be	Bo
PA	PI	PU	PE	PO
Pa	Pi	Pro	P.	Po
VU	n			
V	N			
ya	yu	yo	tu	
.	ħ	.	ħ	

19 Messages

Messages will be displayed depending on your usage.

The message content is as follows:

Message display	Message content
TOC Reading	Loading TOC.
Blank Disc	There is a blank minidisc inside.
Complete	Editing is complete.
Copy Prohibit	The source is digitally copy-protected by the SCMS (Serial Copy Management System). When recording
Dig. Unlock	digital input, the digital input terminal is not connected properly, or the input signal is not being input normally due to some other problem. The
Disc Err R	minidisc is scratched and the data cannot be read. Or, The TOC has not been written to the minidisc or the data is incorrect. The minidisc
Disc Full	has run out of time. The number of tracks has exceeded 254.
Impossible	The operation you are performing cannot be performed.
No Name	No title text has been entered.
No Track	The disc has a name, but no songs on it.
Playback Only	Recording and editing are performed on a playback-only minidisc.
Protected	The MiniDisc is in a state where it is protected from accidental recording/erasure.
Name Full	The disc name/song name exceeds 100 characters, or the total number of characters entered for the disc name and song name exceeds approximately 1,700 characters.
Tr. Protected	This song cannot be edited.
Disc ?	There is something wrong with the data or the minidisc is out of spec.
TOC Err R	The MiniDisc is scratched so the TOC information is unreadable, or it is a non-standard MiniDisc.
Can't REC	Recording did not work properly due to shock or scratches on the MiniDisc.
Temp Over	The temperature has become too high (low). The operating range of this unit is 10 to 35°C. Please use it within this operating range.
Mech Error	The minidisc is not working properly.
Not Audio	Non-audio data is recorded.
UTOC U Err	The TOC information could not be created correctly due to a shock or a scratch on the
UTOC Err R	MiniDisc. The recorded TOC information does not conform to the MiniDisc standard or cannot be read due to other problems.

20 MiniDisc Standard Restrictions

* The MiniDisc standard uses a different recording method than conventional recording methods such as cassette decks. Therefore, there are some restrictions imposed by the standard. Please note that the following symptoms do not indicate a malfunction.

(1) Restrictions on the number of songs

If you record from the first track on a blank MiniDisc or a blank MiniDisc with only the disc name recorded, you can record up to 254 tracks. However, if you edit a lot, you may not be able to record up to 254 tracks.

(2) Restrictions on recording function

- Even if the maximum recording time for a minidisc has not been reached, you will not be able to record if the number of tracks is 254. • Recording is done in approximately 2-second increments. Even if the recording does not reach that limit, approximately 2 seconds of disc space will be used. Therefore, the actual recording time will be shorter.
 - If the MiniDisc is scratched, the scratched area cannot be recorded, and the recording time will be reduced accordingly. • When digitally recording a CD, a silent section of a few seconds may be created depending on the recorded content of the CD, and the number of tracks may differ from that of a CD. This may happen.
 - When automatic track marking is performed with "ANALOG ATM ON", depending on the contents of the recording the track number may not be assigned correctly.
- Even if you erase a short song, the remaining time on the minidisc may not increase. This is because
This is because when displaying the interval, the part below 12 seconds is ignored.

(3) Restrictions on editing functions

- It may not be possible to combine short tracks that have been edited. • When using a minidisc that has been repeatedly recorded or edited, the sound may be interrupted during manual search.

21 Warranty and Service

1 This product comes with a warranty. The warranty will be filled out by the retailer where you purchased the product, so please check the details and keep it in a safe place.

2 The warranty period is one year from the date of purchase. Depending on the details of the warranty, repairs will be carried out by the store where you purchased the product or the nearest Columbia sales office (see Columbia service network list). (However, if the warranty is not attached even within the warranty period, repairs will be charged.) For other details, please refer to the warranty.

3 For repairs after the warranty period has expired, please contact the store where you purchased the product or the nearest Fuji Electric sales office. If the product can be restored to its original function through repair, we will carry out the repair work for a fee at your request.

4 Replacement parts for this machine will be available for a minimum of eight years after production is discontinued.

5 If you have any questions regarding warranty and repairs, please contact the store where you purchased the product or your nearest sales office.

6 Please note that we are not liable for any compensation for incidental damages, such as damage caused by missed recording or playback opportunities due to a breakdown, malfunction or defect of this product.

22 What to do if you think something is broken

If you think it might be broken, check it again.

Are the connections correct? Are you following the instructions in the manual ?

If the unit does not operate normally, check the following items. If the problem does not match any of the items in this table, the unit may be broken. Turn off the power, unplug the power cord from the outlet, and contact the store where you purchased the unit or the nearest sales office.

Phenomenon	Cause	Treatment	Related pages
Cannot operate.	Is the MiniDisc inserted? Is the MiniDisc damaged or dirty? Huh?	Please insert a mini disk. Please replace it with another mini disk. stomach.	27 -
Cannot play.	• Is the connection correct? • Is the recording being made onto a MiniDisc? ("Blank Disc" or "No Track" will be displayed.)	• Check the connections. • Replace the minidisc with one that has been recorded.	8, 9 56
I can't record.	The MiniDisc may be record-protected. (The message "Protected" will be displayed.) • Is there any time remaining on the minidisc? ("Disc Full" will be displayed.) • Record onto a mini disc containing 254 songs • Are you trying to delete any unnecessary songs and check the number of recorded songs? ("Disc Full" will be displayed.) • Are you trying to record a digital input recording source using digital input recording? • Are you trying to record a digital input recording source using analog input recording? (See SCMS.) ("Copy Prohibit" is displayed.) • Is the input selector knob (INPUT SELECT) set correctly? • Is the recording level adjustment knob (INPUT LEVEL) set correctly? Is it narrowed down?	• Slide the minidisc's anti-recording/anti-erasing tab so that the hole is closed. • Please replace the mini disc. If there is any unnecessary material, delete it to free up more recording time. • Replace the mini disc. • Input selector knob (INPUT SELECT) Please check. Recording level adjustment knob (INPUT LEVEL) Please adjust the setting.	19, 56 56 56 20, 56 33, 34 33, 34

23 Main Specifications

Shape	MiniDisc Digital Audio System Measurement limit ($\pm 0.001\%$ W.Peak) or less
Wow and flutter Sampling frequency Recording method Light source	44.1kHz Magnetic field modulation overwrite method Semiconductor
S/N ratio Dynamic range Power consumption Maximum external dimensions	110dB 105dB AC100V 50/60Hz 28W (according to the Electrical Appliance and Material Control Law) 434 (width) x 135 (height) x 354 (depth) mm (including feet, knobs, and terminals) 13.0kg
Remote control unit	RC-274
Remote control type Number of buttons Power supply Maximum external dimensions Weight	Infrared pulse type 45 buttons DC3V Uses 2 AA batteries 68 (width) x 233 (height) x 20 (depth) mm 160g (including batteries)

Specifications and appearance may be changed without notice for improvement purposes.

★ This unit can only be used in Japan and cannot be used overseas.

★ This unit is designed for use in Japan. Always insert the power plug into an AC 100V outlet before use. Do not connect to any power source other than AC 100V.



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For inquiries, please contact
the Private Recording Compensation Management Association.

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