

ONKYO®

FR-N9X

(CD/MD Tuner Amplifier)

X-N9X

FR-N9X (CD/MD Tuner Amplifier) D-N9X
(Speaker System)

X-N7X

FR-N7X (CD/MD Tuner Amplifier) D-N7X
(Speaker System)

User Manual



MD **LP**



Thank you for your purchase. Please read this "User Manual" carefully before use to ensure proper operation.

After reading, keep this manual in a place where you can refer to it at any time.

Please keep this warranty card, along with the Onkyo Customer Service and Repair Center information, in a safe place.

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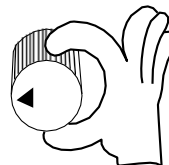
Key

Features

- Hi-MD compatible
 - Equipped with high-speed ATRAC processing
 - Supports a variety of recording modes: PCM, Hi-LP, Hi-SP, SP, LP2, LP4, and Mono
 - MD Group function for organizing large collections of tracks
 - Name Copy function for even easier MD name entry
 - DLA Link (Digital Rec Level Adjustment) function that automatically sets the recording level when transferring from CD to MD
 - CD-to-MD double-speed dubbing function
 - Supports playback of music CD-Rs and CD-RWs *1
 - FM auto-preset capability. Tuner with 30 station presets
 - Equipped with a digital recording volume control for adjusting levels during digital recording
 - WRAT (Wide Range Amplifier) technology brings out the full potential of next-generation media Technology
 - S.BASS function for adjusting deep bass, and TONE function for adjusting bass and treble
 - Comprehensive external input/output terminals [DOCK/CD-R (DOCK), TAPE, LINE]
 - Equipped with an optical digital terminal (1 input[FR-N9X only, 1 output)
 - Equipped with a sampling rate converter capable of recording Linear PCM digital audio signals from sources such as satellite broadcasts
- *1 Music CD-R/RW discs recorded in PCM format that have been finalized. However, playback may not be possible depending on scratches, dirt, or the recording condition.

Audio Etiquette

Even enjoyable music can be a nuisance depending on the time and place. Please be considerate of your neighbors. Especially during quiet nighttime hours, closing windows or using headphones is one way to help. Let's look out for one another and maintain a pleasant living environment.



This product is licensed under U.S. and foreign patents held by Dolby Laboratories Licensing Corporation.

Check the contents of

the box

The contents of the box vary depending on the product you purchased. Please check the model number and confirm that the following products and accessories are included.

X- The N9X includes the following items.

- FR-N9X (CD/MD Tuner Amplifier) • D-N9X (Speaker System)

The X-N7X includes the following:

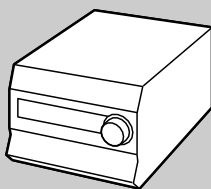
- FR-N7X (CD/MD Tuner Amplifier) • D-N7X (Speaker System)

The FR-N9X is a standalone CD/MD tuner amplifier.

The numbers in parentheses indicate the quantity. Please verify.

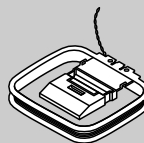
FR-N9X, FR-N7X (CD/MD Tuner Amplifier)

- Main unit (1)

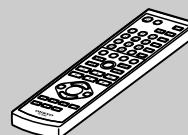


- FM indoor antenna (1) ● AM indoor antenna (1)

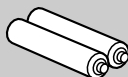
Antenna for receiving FM broadcasts This is an antenna for receiving AM broadcasts.



- Remote control – RC-659S (1)



- AA batteries (2)



- Instruction Manual (this manual, 1)

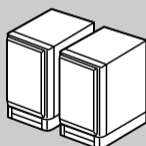
- Quick Start Guide (1)

- Warranty Card (1)

- Onkyo Customer Support and Repair Information (1)

D-N9X (Speaker System)

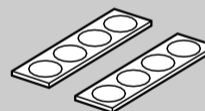
- Main Unit (2)



- Speaker Cables 1.8 m (2)

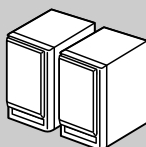


- Cork Spacers for Speakers (8)



D-N7X (Speaker System)

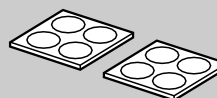
- Main unit (2)



- Speaker cable 1.8 m (2)



- Cork spacers for speakers (8)



The last letter in the model number shown in the catalog and on the packaging indicates the product color. The operating instructions are the same regardless of color.

Proper Use of Audio Equipment

To ensure safe use of your audio equipment, please be sure to read this before use.

About Pictorial Symbols

This "Instruction Manual" and the labels on the product use various pictograms to ensure safe and proper use of the product and to prevent harm to you or others, as well as property damage. The symbols and their meanings are as follows. Please read and understand this information thoroughly before proceeding with the main text.

**Warning**

This symbol indicates that ignoring this warning and handling the equipment incorrectly could result in death or serious injury.

This symbol indicates situations where ignoring this warning and improper handling could result in injury or property damage.

Examples of Pictorial Symbols

**Caution**

△ This symbol indicates that the content requires caution (including warnings). The specific cautionary information (in the case of the left figure, "Caution: Electric Shock") is depicted within the symbol.

**Do Not Disassemble**

⊘ This symbol indicates a prohibited action. The specific prohibition (in the case of the left figure, "Do Not Disassemble") is depicted within or near the symbol.



● This symbol indicates a mandatory action or instruction. The specific instruction (in the case of the top-left figure, "Please unplug the power cord from the outlet") is depicted within or near the symbol.



Warning

Do not use the unit if it is malfunctioning



- If you continue to use the unit while it is malfunctioning—such as if smoke is coming out or there is an unusual smell or noise—it may cause a fire or electric shock. Immediately turn off the power switch and be sure to unplug the power cord from the outlet.

Confirm that no smoke is coming out, and contact the retailer for repairs.

Never remove the back cover or modify the unit



Disassembly
Prohibited

- Never remove the back cover or other covers on this unit. There are high-voltage components inside that can cause electric shock. This may cause an electric shock. Please have your dealer inspect, maintain, or repair the unit.
- Do not disassemble or modify this unit. Doing so may cause a fire or electric shock.

Do not use with voltages other than 100V



- This unit is intended for use in Japan only.
- Never connect this unit to a voltage other than the specified power supply voltage (100 V AC) or to a direct current (DC) power source, such as those found on ships. Doing so may result in fire or electric shock.

Do not obstruct heat dissipation



- Do not block the ventilation openings on this unit. Blocking the ventilation openings can cause heat to build up inside, which may result in a fire. Ventilation holes are provided on the top and bottom of the unit to prevent internal overheating. Please observe the following precautions when using this unit.
 - Do not use this unit upside down or on its side.
 - Do not force this unit into a narrow, poorly ventilated space such as a closet or bookcase.
 - Do not use the unit while covered with a tablecloth or placed on a carpet or futon.
 - When installing this unit, leave a space of at least 10 cm between it and the wall. Also, to ensure proper heat dissipation, place it slightly away from other equipment. When placing it in a rack, leave a gap of at least 2 cm on the sides and 10 cm at the back.

Proper Use of Audio Equipment

Warning

■ Do not place in areas where it may get wet



Do not
use near
water

- Do not use in the bathroom. Doing so may cause a fire or electric shock.



Do not
get wet

- This unit is designed for indoor use only. Take care not to get it wet. If water enters the unit, it may cause a fire or electric shock.

■ Do not place containers with water on top



- Do not place vases, flower pots, cups, containers holding cosmetics, chemicals, or water, or small metal objects on top of this unit. If any of these items fall inside, it may cause a fire or electric shock.

■ Do not insert

objects in the unit



- Do not insert or drop metal objects or flammable materials into the speaker interior, the unit's ventilation openings, the MiniDisc slot, or the CD tray. This may cause a fire or electric shock. Please be especially careful in households with children.

■ If water or foreign objects get inside



Unplug the power cord from
the outlet

- If water or foreign objects accidentally enter the unit, immediately unplug the power cord from the outlet and contact your dealer.

■ Do not touch the unit if you hear thunder



contact
Prohibited

- If you hear thunder, do not touch the antenna cable or power plug. Doing so may cause electric shock.

■ Do not damage or modify the power cord



- If the power cord is damaged (e.g., exposed wires, broken wires), please ask your dealer to replace it. Continued use may result in fire or electric shock.

- Do not place heavy objects on the power cord or allow the cord to become trapped under the unit. This can damage the cord and cause a fire or electric shock. Please be careful, as covering the cord with a rug or similar item may cause you to place heavy objects on it without realizing it.

- Do not damage, modify, forcefully bend, twist, pull, or heat the power cord. Damage to the cord may cause a fire or electric shock.

■ Do not use if dropped or damaged



the outlet

power

- If you accidentally drop the unit or damage the cabinet, do not continue using it. Doing so may cause a fire or electric shock. Unplug the power cord from the outlet and be sure to consult your dealer.

■ Do not recharge dry cell batteries



- Do not attempt to recharge dry cell batteries. Battery rupture or leakage may cause a fire or injury.

Proper Use of Audio Equipment

Caution

■ Installation

Precautions



- Do not place the unit on unstable surfaces, such as tables that are not sturdy enough, wobbly or slanted surfaces, or thick carpets. It may fall or tip over, causing injury.
- Do not move this unit while other audio equipment is placed on top of it. It may tip over or fall, causing injury.
- Do not place objects weighing 10 kg or more, or large objects that extend beyond the outer frame, on top of this unit. This may cause the unit to lose balance, tip over, or fall, resulting in injury.

- When moving the unit, do not hold onto the grille or speaker units. Doing so may cause damage or injury.
- Before moving the unit, turn off the power and disconnect the speaker cables. Failure to do so may result in unexpected accidents such as the unit falling or tipping over.

■ Keep the speaker cable in a safe place



- Depending on where the speaker cable is routed, you may trip or get caught on it, which could cause an accident such as the unit falling or tipping over. Please be especially careful when using a speaker stand or placing the unit in a high location.

■ Do not place in the following locations



- Do not place the unit in locations where it may be exposed to cooking fumes or steam, such as near a stove or humidifier. This may cause a fire or electric shock.
- Do not place in areas with high humidity or dust. This may cause a fire or electric shock.

■ Connections



- When connecting this unit to other audio equipment or a TV, carefully read the instruction manuals for each device, turn off the power switches, and connect them according to the instructions. Also, use the specified cables for connection. Using non-specified cables or extending the cables may cause overheating and result in burns.

■ Precautions

for Use



- Do not use the unit for extended periods with distorted sound. The amplifier, speakers, and other components may overheat, which could cause a fire.
- When using headphones, be careful not to set the volume too high. Listening at high volumes for extended periods can damage your hearing.
- Do not climb on or hang from this unit. Please be especially careful with children. It may tip over or break, causing injury.
- Do not look directly into the laser light source. Laser light entering the eyes may cause vision impairment.
- Please make sure your children do not put their hands into the MiniDisc slot or CD tray. Doing so may result in injury.
- Do not use discs that are cracked, warped, or have been repaired with adhesive. Discs spin at high speeds inside the device and may fly out, causing injury.
- Keep magnetic products, such as bank cards and floppy disks, away from the unit. Magnetic interference may render the products unusable or cause data loss.

Proper Use of Audio Equipment

Caution

■ Precautions Regarding Power Cords and Plugs



Unplug the power plug from the outlet

- Do not place the power cord near heat-generating appliances. The cord's insulation may melt, causing a fire or electric shock.
- Do not plug or unplug the power plug with wet hands. This may cause electric shock.
- When unplugging the power plug, do not pull on the power cord. This may damage the cord and cause a fire or electric shock. Be sure to hold the plug when unplugging it.
- Do not use the power cord while it is bundled up. It may overheat and cause a fire.

- If you will not be using this unit for an extended period, such as when traveling, be sure to unplug the power cord from the outlet for safety. Failure to do so may cause a fire.
- When moving the unit, turn off the power switch, unplug the power cord from the outlet, and disconnect all external cables (such as those connecting to other devices) before moving it. Pulling on the cord may damage it, which could cause a fire or electric shock.

■ About the Battery



- When inserting batteries into the remote control, pay attention to the polarity markings (positive + and negative -) and insert them as indicated. Incorrect insertion may cause the batteries to rupture or leak, which could result in fire, injury, or damage to the surrounding area.

- Do not use batteries other than those specified. Also, do not mix new and old batteries. Battery rupture or leakage may cause fire, injury, or damage to the surrounding area.
- Do not heat, disassemble, or place batteries in fire or water. Battery rupture or leakage may cause fire or injury.

■ About the Speaker Cable



- Do not damage, twist, pull, or expose the speaker cable to heat. Doing so may cause a fire or electric shock.

■ Inspection and Installation



Please unplug the power cord from the outlet



- For safety, unplug the power cord from the outlet before performing maintenance. Failure to do so may result in electric shock.

- Depending on the usage environment, we recommend cleaning the interior of the unit approximately once every two years. Please consult your nearest dealer. Leaving dust accumulated inside the unit for a long period without cleaning may cause a fire or malfunction. It is particularly effective to do this before the rainy season, when humidity increases. Please consult your dealer regarding cleaning and inspection costs.

- It is known that dust accumulation on the power plug can cause spontaneous combustion (tracking phenomenon). Please remove dust from the plug regularly, several times a year. Doing so before the rainy season is particularly effective.

- Antenna installation requires technical skill and experience, so please consult your dealer.

- Install outdoor antennas away from power lines. If an antenna falls, it may cause an electric shock.

- Do not spray thinners, alcohol, or aerosol insecticides on this unit. Doing so may cause the paint to peel or the unit to deform.

- To clean surface dirt, soak a cloth in a solution of diluted neutral detergent, wring it out thoroughly, wipe the surface, and then wipe it dry with a clean cloth.

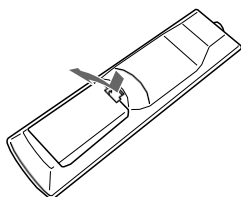
If using a chemical cleaning cloth, please read the attached instructions.

Preparing the Remote

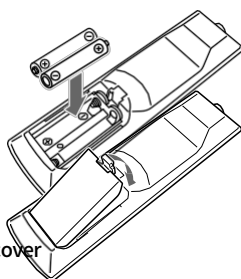
Control

Inserting the batteries

1. Lift the cover in the direction of the arrow



2. Insert the two included batteries according to the polarity markings inside, making sure not to mix up the positive (+) and negative (-) terminals



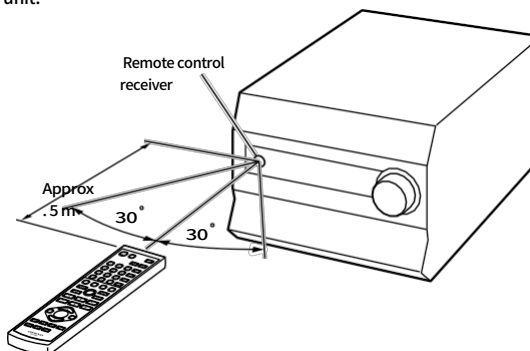
3. Replace the cover



- Do not mix different types of batteries or use a combination of new and old batteries.
- If you will not be using the remote control for an extended period, remove the batteries to prevent leakage.
- Leaving used batteries in the unit may damage the remote control due to corrosion. If the remote control becomes unresponsive, remove the old batteries and replace both with new ones.
- When replacing the batteries, please use AA batteries.

How to use the remote control

Point the remote control at the remote control receiver on the main unit.



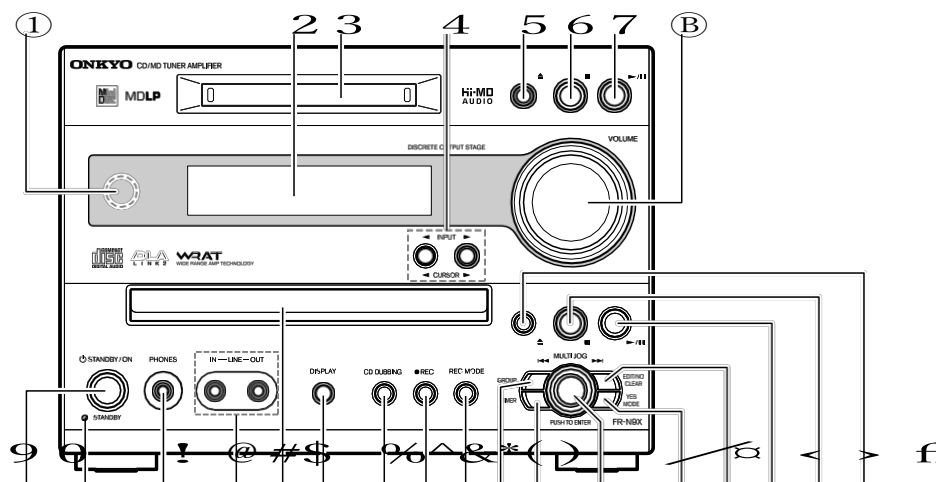
Caution

- Direct exposure of the remote control receiver to strong light, such as sunlight or inverter fluorescent lights, may cause it to malfunction.
- Using the remote control near devices that use infrared signals or using it simultaneously with other remote controls may cause malfunctions.
- Do not place objects such as books on top of the remote control. This may cause the buttons to remain pressed, resulting in battery drain.
- If the audio rack door uses tinted glass, the remote control may not function properly.
- The remote control will not operate if there is an obstacle between the remote control and the receiver.

Parts and Their Main Functions

Front Panel

The numbers in [] indicate the main reference pages.



① Remote control receiver [9]

Receives signals from the remote control.

2 Display

See the next page.

3 MD slot [26, 38]

Insert the MD here.

4 INPUT/CURSOR buttons [23, 32, 73]

Select the playback source.

Used for inserting, correcting, and deleting characters during text entry.

5 MD button [26]

Ejects the MD.

6 MD button [26]

Stops playback or recording.

7 MD button [26]

Starts playback or recording (from recording standby mode). Pressing this button during playback pauses playback.

B VOLUME knob [23]

Adjusts the volume.

9 STANDBY/ON Button [23, 71]

Switches the power between standby and on.

0 STANDBY Indicator [23]

Lights up when in standby mode.

! PHONES terminal [23]

Connect a headphone mini-plug here.

@ LINE (IN/OUT) terminal [22]

Connect portable devices such as memory players.

CD tray [24]

Insert a CD here.

\$ DISPLAY buttons [25, 27, 34, 40, 41, 63]

Switches the information displayed.

You can select the font type when entering text.

% CD DUBBING buttons [40, 41]

Starts CD dubbing. Press twice to start double-speed CD dubbing.

^ REC Button [43–45]

Puts the MD in recording standby mode.

& REC MODE button [46]

Sets the recording mode.

* GROUP buttons [50, 51, 53–56]

Press to select a group.

(TIMER buttons [66, 68, 69, 72]

Used to set the current time and timer settings.

) MULTI JOG Dial [24, 26, 32]

Selects registered radio stations or tracks to play from a CD or MD. Selects items during editing. Press to confirm settings.

YES/MODE buttons [28, 29, 33, 34, 63]

Confirms the selected item during recording, playback, or setup. Sets memory playback or random playback.

□ EDIT/NO/CLEAR buttons

[32, 33, 35, 38, 46–49, 52–62, 73]

Selects the content for settings and editing operations.

Cancels the displayed content during setup.

< CD-/f button [24]

Starts playback. Pressing this button during playback pauses playback.

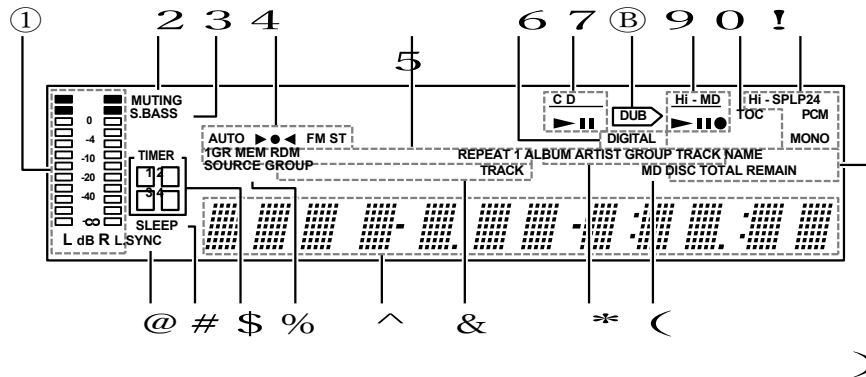
> CD button [24]

Stops playback.

fi CD button [24]

Opens and closes the CD tray.

Display



① Level Indicator

Displays the audio level.

Muting

② MUTING Indicator

Flashes when muting is active.

Super Bass

③ S.BASS indicator

Lights up when Super Bass is set.

④ FM/AM Reception Information

Displays information during FM/AM reception.

⑤ Playback Mode Indicator

Group

1GR: Lights up during 1-group playback.

Memory

MEM: Lights up when memory playback is set.

Random

RDM: Lights up during random playback.

REPEAT

REPEAT : Lights up during repeat playback of all tracks.

REPEAT 1: Lights up during single-song repeat playback.

Digital

⑥ DIGITAL Display

Lights up when the recording source is a digital input.

⑦ CD Playback Display

Displays the CD playback status.

Dub

Ⓑ DUB Indicator

Lights up during CD dubbing.

⑨ MD/Hi-MD Playback and Recording Display

Displays the MD/Hi-MD playback and recording status.

- When an MD in Hi-MD mode is inserted, the Hi-MD indicator lights up.

Track

⑩ TOC Indicator

Lights up or flashes when writing information to the MD, such as during recording or editing.

! Recording mode indicator

The mode for playback or recording lights up.

Level Sync

@ L.SYNC Indicator

Lights up when Level Sync is active.

Sleep

SLEEP indicator

Lights up when the sleep timer is active.

Timer

\$ TIMER display

Displays the timer settings.

□ : Lights up when timer recording is set.

Numbers: Lights up when timers 1-4 are set.

Source

% SOURCE Display

Lights up during recording, and the source name is displayed in the multi-purpose display.

^ Multi-purpose display

Displays playback time, names, and other information.

Group

Track

& GROUP/TRACK Display

Group

GROUP: Lights up when the number of groups is displayed

Track

TRACK: Lights up when the number of tracks is displayed

Album

Artist

Group

* ALBUM/ARTIST/GROUP Display

Lights up when the album name, artist name, or group name is displayed.

⌂ MD Display

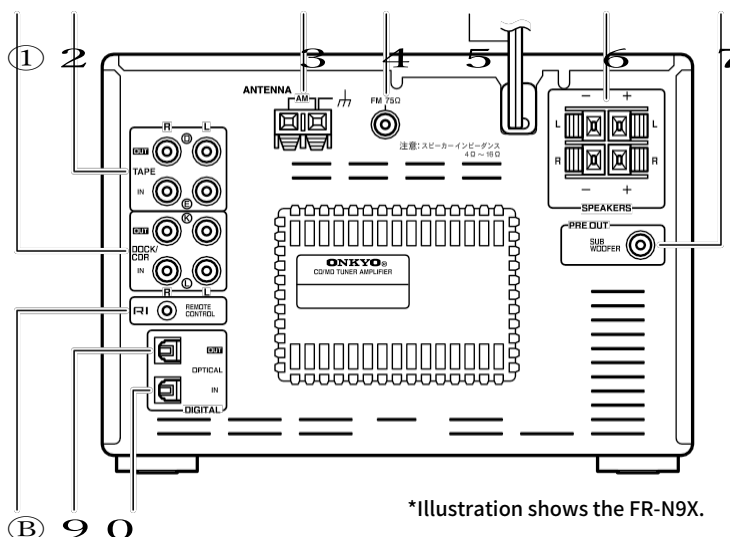
Lights up when the display is set to MD during recording.

) CD/MD Information

The item displayed on the multi-purpose display lights up.

Names and Main Functions of Parts

Rear Panel



*Illustration shows the FR-N9X.

- ① **DOCK/CDR Terminal (FR-N9X)**
Dock
Dock
Onkyo RI Dock (Remote Interactive Dock)
). Connect to the IN terminal. You can also connect a CD recorder or recording equipment.
- ② **TAPE terminal**
This is the terminal for connecting a tape deck.
- ③ **ANTENNA (AM) terminal**
This terminal is for connecting the included AM indoor antenna.
- ④ **ANTENNA (FM 75Ω) terminal**
This is the terminal for connecting the included FM indoor antenna or an FM outdoor antenna.
- ⑤ **Power Cord**
- ⑥ **SPEAKERS Terminal**
This is the terminal for connecting the included speakers.

- ⑦ **PRE OUT terminal**
This is the terminal for connecting a subwoofer with a built-in amplifier.
- ⑧ **REMOTE CONTROL terminal**
This terminal is used to connect to and synchronize with Onkyo equipment equipped with this terminal.
The system will not function simply by connecting the cables. Be sure to connect the audio pin cable correctly as well.
- ⑨ **DIGITAL OUT terminal (FR-N9X only)**
This is an optical digital audio output terminal.
Connect a CD recorder or other device equipped with a digital input terminal. Supports PCM signals.
Use a commercially available optical digital audio cable for connection.
- ⑩ **DIGITAL IN terminal**
This is an optical digital audio input terminal.
Connect to game consoles, BS tuners, and other devices equipped with digital output terminals. Supports PCM signals.
Use a commercially available optical digital audio cable for connection.

For connection instructions, see pages 17–22.

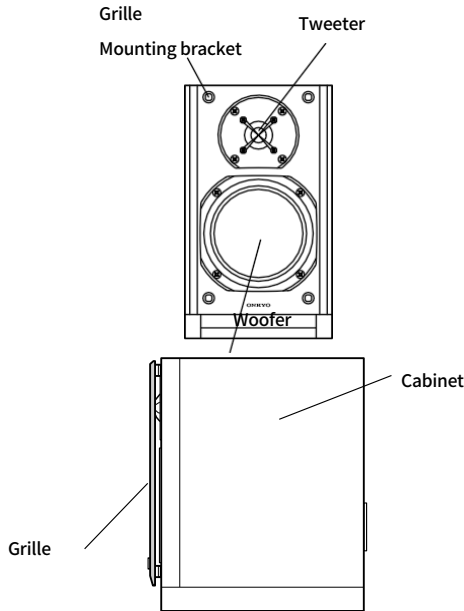
Parts and Their Main Functions

Speaker

The D-N9X and D-N7X have identical left and right speakers. The sound quality remains the same regardless of which speaker is used on the left or right side.

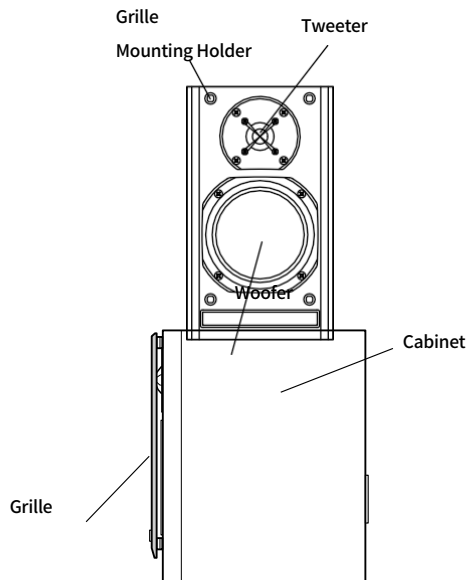
●D-N9X

The "X-N9X" comes with the "D-N9X" speaker.



●D-N7X

The "X-N7X" comes with the "D-N7X" speaker.

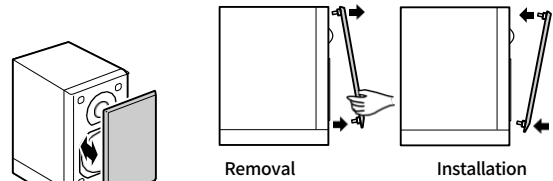


Removing and Reattaching the Speaker Grille

The front grille on this speaker can be removed. Follow the steps below when attaching or removing the grille.

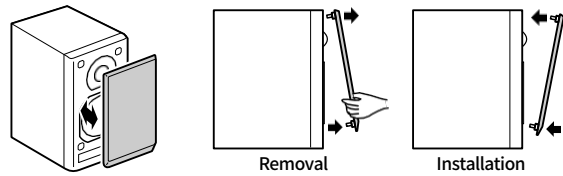
●D-N9X

1. Hold the bottom of the grille with both hands and gently pull it toward you to remove the bottom of the grille.
2. Similarly, pull the top of the grille toward you, and the grille will detach from the main unit.
3. To install, align the pins at the four corners of the grille with the grille mounting holders on the main unit and press them in.



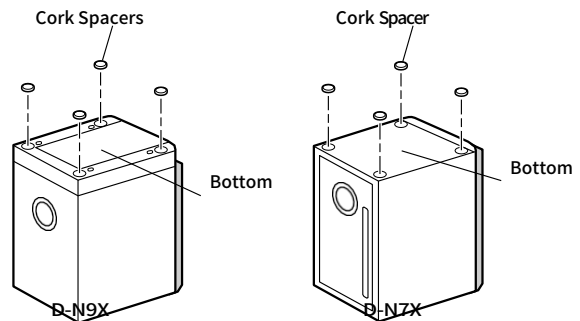
●D-N7X

1. Hold the bottom of the mesh screen with both hands, pull it gently toward you to remove the bottom of the mesh.
2. Pull the top of the mesh screen toward you in the same way, and the mesh screen will detach from the main unit.
3. To reinstall, align the pins at the four corners of the grille with the grille mounting holders on the main unit and press them in.



Use the included cork spacers

For the best sound quality, we recommend using the included cork spacers. Using the cork spacers also prevents slipping and ensures a stable installation.



Parts and Their Main Functions

Remote Control (MD)

This section explains the buttons used to operate the MD.

Character, Symbol, Alphabet, and Number Buttons

Used when entering text such as disc names or song titles. Also used for selecting songs or specifying the playback order during memory playback.

Edit No Clear

EDIT/NO/CLEAR button

Selects settings or editing operations. *During setup*, cancels the displayed content.

⏮/⏭ Button

You can select the previous or next track. Each press skips one track forward or backward.

Enter

ENTER button

Confirms items during editing and various settings.

⏮/⏭ Button

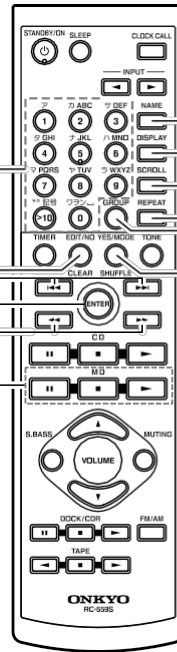
Allows you to fast-forward or rewind the currently playing track. Also used to move the cursor when entering text.

MD Control Button

⏸: Pauses playback.

⏹: Stops playback.

▶: Starts playback or recording (from standby mode).



NAME

NAME button

Use this to enter text.

Display

DISPLAY button

Each press switches the information displayed. When entering text, this button is used to select the font.

SCROLL

SCROLL button

Scrolls the text displayed on the screen. When entering text, this button allows you to select the character type.

REPEAT

REPEAT button

Plays the track repeatedly.

GROUP

GROUP button

Use this to select groups and play them.

Yes

Mode

Shuffle

YES/MODE/SHUFFLE button

Confirms the selected item during recording, playback, or setup. Sets memory playback or random playback.

Remote Control (CD)

This section explains the buttons used when operating a CD.

Character, Symbol, Alphabet, and Number Buttons

Use these to select tracks or specify the track order during memory playback.

Edit No Clear

EDIT/NO/CLEAR button

Cancels the content displayed during memory playback, etc.

⏮/⏭ Button

You can select the previous or next track. Each time you press this button, the track number skips forward or backward.

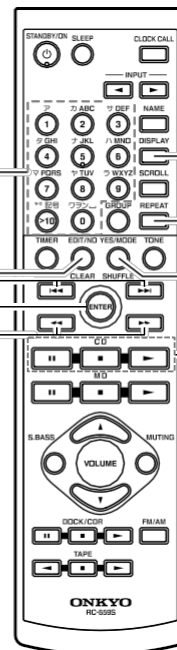
Enter

ENTER button

Confirms the selected item.

⏮/⏭ Button

You can fast-forward or rewind the currently playing track.



Display

DISPLAY button

Each press switches the display.

REPEAT

REPEAT button

Plays the track repeatedly.

Yes

Mode

Shuffle

YES/MODE/SHUFFLE button

Set memory playback or random playback.

CD control buttons

⏸: Pauses playback.

⏹: Stops playback.

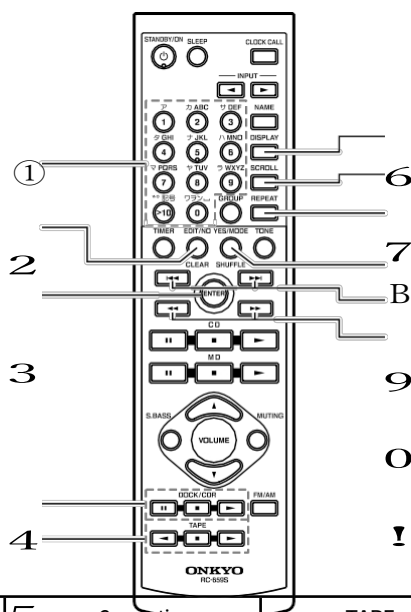
▶: Starts playback.

Parts and Their Main Functions

Remote Control (Other)

This section explains the buttons available when devices connected to the TAPE, DOCK, or DIGITAL IN terminals are an Onkyo cassette deck, RI dock, or CD recorder.

- See pages 20 and 21 for information on connecting devices.
- You will also need to change the input display name to match the connected device. See page 73.



Example: For the YES/MODE/SHUFFLE buttons on the 9

- Connect a cassette deck to the TAPE terminal. Input Name is set to "TAPE," it functions as the DOLBY NR button.
- Connect a CD recorder to the DOCK/CDR (DOCK) terminal. When the input name is set to "DOCK", the SHUFFLE button, and when set to "CD-R", it functions as the MODE button. The same applies when a CD recorder is connected to the DIGITAL IN terminal and the input name is set to "CD-R: dig".

	5	Connection terminal	TAPE	DOCK/CDR (DOCK)		DIGITAL IN
		Input Name	TAPE	DOCK	CD-R	CD-R
①		1-9			1-9	1-9
		0			10/0	10/0
		>10			>10	>10
2		EDIT/NO/CLEAR		MODE	CLEAR	CLEAR
3		ENTER		SELECT	ENTER	ENTER
4		DOCK/CDR ◀		◀	◀	◀
		DOCK/CDR ■		■	■	■
		DOCK/CDR ▶		▶	▶	▶
5		TAPE ◀	◀			
		TAPE ■	■			
		TAPE ▶	▶			
6		DISPLAY		BACKLIGHT	DISPLAY	DISPLAY
7		SCROLL			SCROLL	SCROLL
⑧		REPEAT	REV MODE	REPEAT	REPEAT	REPEAT
9		YES/MODE/SHUFFLE	DOLBY NR	SHUFFLE*	MODE	MODE
0		- / Δ	⌂ / "	- / Δ	- / Δ	- / Δ
!		⌂ / "		⌂ / "	⌂ / "	⌂ / "

- For details on the functions of each button, please refer to the user manual included with each device.
- Blank spaces indicate that pressing the button will not trigger any action.

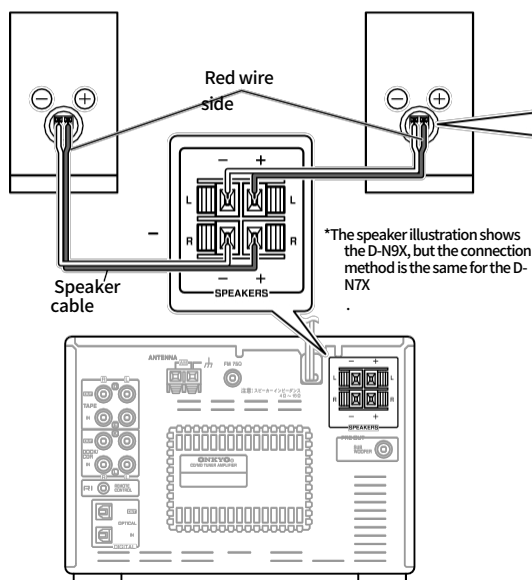
*When displaying a playlist or album list, this button functions as SHUFFLE On/Off. In cursor mode, it functions as the MENU button.

Connect

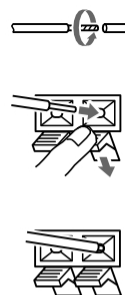
Connecting Speakers

The right-side (R channel) speaker

Left (L channel) speaker

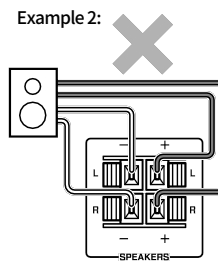
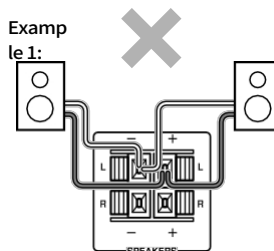
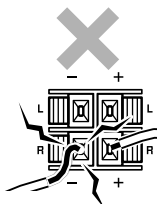


1. Remove the vinyl cover and twist the bare wires of the speaker cable.
2. Insert the end of the wire while pressing the lever on the speaker terminal. When you release your finger, the lever will return to its original position. Make sure the bare wire is slightly exposed.
3. Gently pull on the speaker cable to ensure it is securely connected.



- Connect speakers with an impedance of 4Ω to 16Ω . Connecting speakers with an impedance of less than 4Ω may cause the amplifier to malfunction.
- Connect the speaker's (+) terminal to the unit's (+) terminal, and the speaker's (-) terminal to the unit's (-) terminal. Connect the red wire of the included speaker cable to the (+) terminal.
- Do not connect multiple speakers to a single channel's speaker terminals (Example 1) or connect a single speaker in parallel to both channels' speaker terminals (Example 2). This may cause a malfunction.

- To prevent damage, never allow the speaker cable conductors to touch each other or the rear panel.
- Connect the speaker to be placed on the right to the R terminal on this unit, and the speaker to be placed on the left to the L terminal.



Speaker Setup

Speaker sound quality varies significantly depending on the room's structure, size, and the arrangement and size of furniture. To enjoy the best possible sound, please note the following.

- Placing the speakers directly on the floor can result in excessive bass, producing a so-called "boomy" sound. Please place them on speaker stands, blocks, bricks, or a sturdy shelf.
- If the bass is lacking, you can enrich the bass by using a lower speaker stand and placing the speakers in front of a solid wall.
- Sound quality varies within a room due to the influence of furniture and walls. For the best results, try to ensure that the acoustic conditions on the left and right sides are as consistent as possible.
- Ideally, your listening position should be at the apex of an equilateral triangle formed by the left and right speakers, or slightly behind the apex.
- If there is a glass door or a hard wall directly in front of the speakers, the sound may reflect and resonate at certain frequencies. In such cases, we recommend hanging thick curtains or similar materials to absorb the sound.

Important Notes

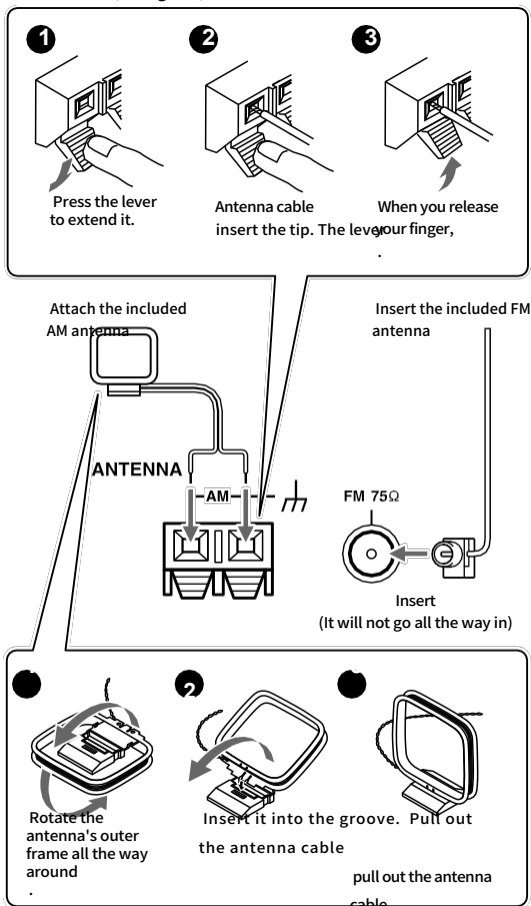
- Since the speaker cabinets are made of wood, they should not be placed in environments with extremely high or low temperatures or humidity. Do not install them in direct sunlight, near heating or cooling units, or in damp locations.
- Place the speaker on a firm, level surface.

Connecting

Connecting the Radio Antenna

Connect the included FM/AM antenna

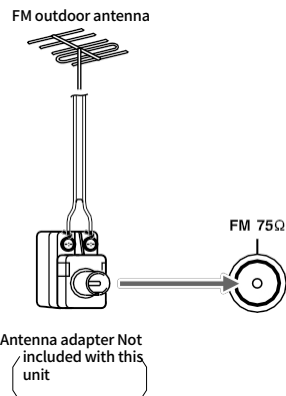
Adjust and secure the antenna position while actually listening to the broadcast. (Page 31)



! Tip

For the AM antenna cable, you can connect the split end to either the left or right terminal. (Unlike speaker cables, there is no distinction between left/right or +/-.)

Connecting the FM outdoor antenna



About the FM outdoor antenna

Use a commercially available antenna adapter to connect as shown in the figure above.

! Tip

- Install the unit in a location where it is not obstructed by buildings and can receive FM broadcast signals directly.
- To avoid noise from car engines, install the unit as far away from the road as possible.

Caution

Never install the antenna near power lines, as this is dangerous.

- Antenna installation requires technical skill and experience, so please consult your dealer.

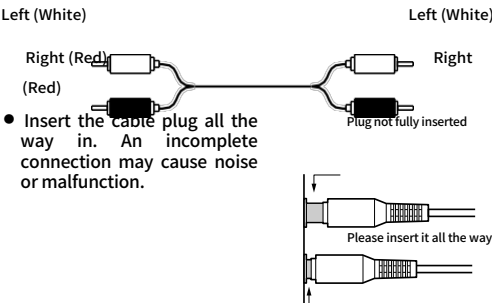
Connecting External Devices

Before Connecting

- The illustration shows an Onkyo product, but the connection method is the same for other devices. Be sure to read the instruction manual for the device you are connecting.
- Do not connect the power cord until all connections are complete.

Connect the audio pin cable as follows.

- Connect the red plug (marked “R”) to the right channel, and the white plug (marked “L”) to the left channel.



- Insert the cable plug all the way in. An incomplete connection may cause noise or malfunction.

- Do not bundle the audio pin cable with the power cord or speaker cables. This may degrade sound quality.
- If the TV picture is distorted or there is noise in the audio output from this unit, place this unit as far away from the TV as possible.

About the optical digital input/output terminals

All of the optical digital input and output terminals on this unit are of the flip-type; simply flip the cover back to insert the optical digital cable.

Note Insert and remove the optical digital cable by pulling it straight out. Inserting or removing the plug at an angle may damage the connector.



When installing, do not place other equipment on top of this unit. This blocks the ventilation holes and is dangerous.



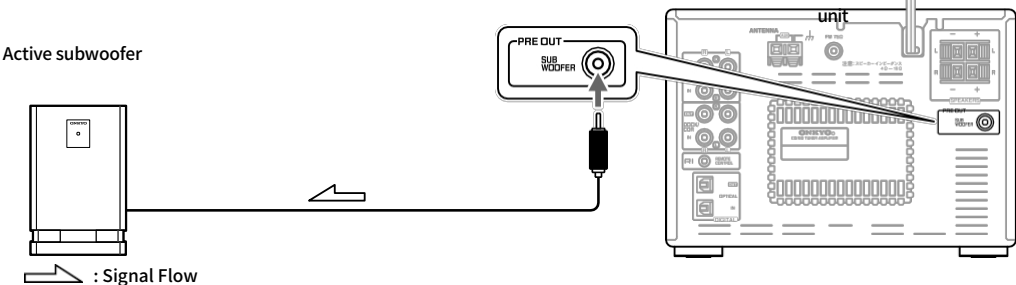
About Audio Cables and Connector Types

No cables are included with this unit.

Cable names	Cable shape	Connector Shape	Functions of Cables and Connectors
Optical digital cable (OPTICAL)		 OPTICAL	Transmits digital signals.
Audio Pin Cables		 R AUDIO L	Transmits analog audio.
Stereo mini-jack cable		 -IN LINE OUT	Transmits analog stereo audio.

Connecting a subwoofer

Since this unit's subwoofer output is a pre-out, please connect a subwoofer with a built-in amplifier (active subwoofer).



Connecting external devices

Connecting a Cassette Deck (The illustration shows a connection example with a separately sold Onkyo cassette deck.)

■ Connecting to an Onkyo cassette deck

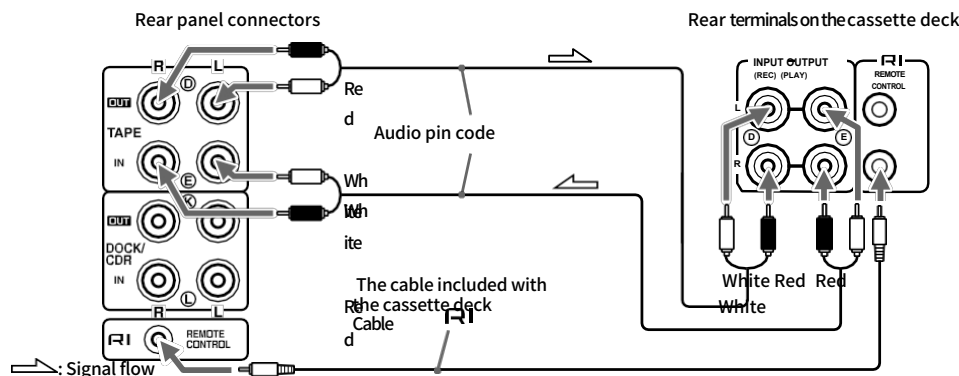
Connect the TAPE OUT terminal D on this unit to the IN terminal D on the cassette deck.

Connect the TAPE IN terminal E on this unit to the OUT terminal E on the cassette deck.

- The display name for the external input must be set to "TAPE." (The default setting is "TAPE," so please use it as is.)

RI Once the terminals are connected, the following functions are available. (Please also connect the audio pin cable.)

- You can also operate an Onkyo cassette deck using the remote control included with this unit.
- When you play a tape on an Onkyo cassette deck, the input on this unit automatically switches to TAPE.
- You can perform system recording operations. (☞ Page 44)



■ When connecting to other cassette decks

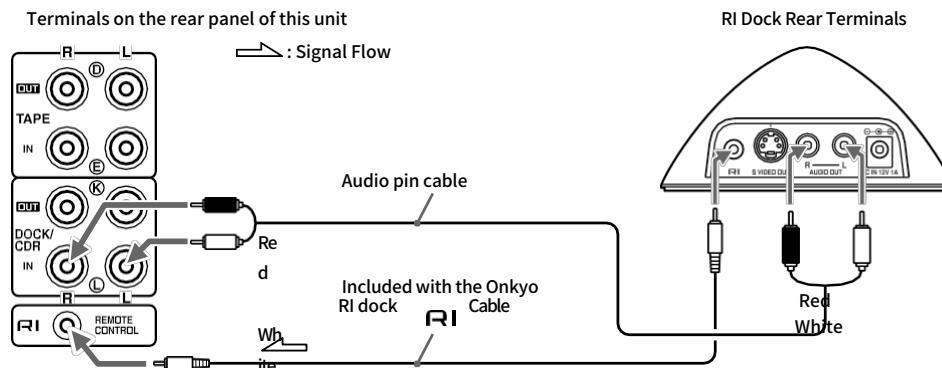
Connect the TAPE OUT terminal D on this unit to the audio input terminal on the cassette deck, and connect the TAPE IN terminal E on this unit to the audio output terminal on the cassette deck.

Connecting the Remo Interactive Dock (RI Dock)

Connect an Onkyo RI Dock, such as the DS-A1, to this unit.

Connect the DOCK/CDR IN terminal on this unit (the DOCK IN terminal on the FR-N7X) to the audio output terminal on the RI Dock.

- The display name for the external input must be set to "DOCK." (☞ Page 73. The default setting is "DOCK." , so please use it as is.) Also, set the RI Dock's MODE switch to "HDD".



RI Once the terminals are connected, the following functions are available.

- You can operate the Onkyo RI Dock using the remote control included with this unit (Please also connect the audio pin cable.)
- When playback begins on the Onkyo RI Dock, this unit's input automatically switches to "DOCK."

Connecting External Devices

CONNECTING A CD RECORDER (THE ILLUSTRATION SHOWS AN EXAMPLE OF CONNECTION WITH A SEPARATELY SOLD ONKYO CD RECORDER.)

■ Connecting to an Onkyo CD Recorder

Connect the DOCK/CDR OUT (DOCK OUT on the FR-N7X) terminal K on this unit to the IN (REC) terminal K on the CD recorder.

Connect the L terminal of this unit's DOCK/CDR IN (DOCK IN on the FR-N7X) to the L OUT (PLAY) terminal of the CD recorder.

- The display name for the external input must be set to "CD-R." (☞ Page 73. The default setting is "DOCK.")

Connect the DIGITAL IN terminal on this unit to the DIGITAL OUT terminal on the CD recorder using an optical digital audio cable.

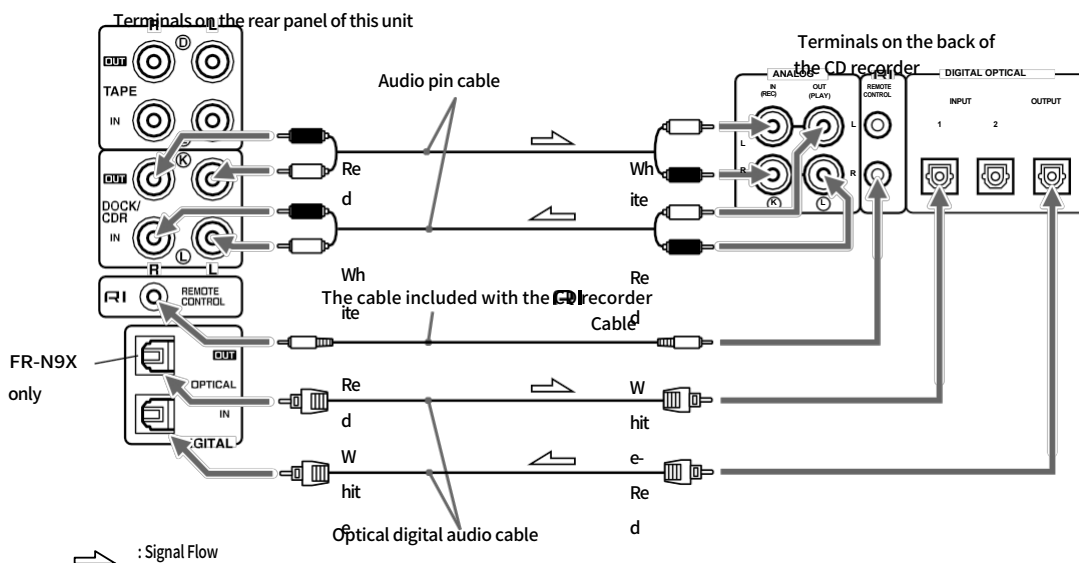
- The display name for the external input must be set to "CD-R/dig." (☞ Page 73. The default setting is "DIGITAL.")

(FR-N9X only) To record digitally from this unit to a CD recorder, use an optical digital audio cable to connect this unit's

DIGITAL OUT terminal to the CD recorder's DIGITAL INPUT 1 terminal.

RI Once the terminals are connected, the following functions are available. (Please also connect the audio pin cable.)

- You can also operate an Onkyo CD recorder using the remote control included with this unit. However, remote control operation is not possible if the CD recorder is connected only via the DIGITAL terminal. For example, if you connect the RI dock to the DOCK/CDR IN terminal (or the DOCK IN terminal on the FR-N7X) and connect the CD recorder to the DIGITAL IN terminal, the CD recorder cannot be operated via the remote control.
- When connecting a CD recorder and a cassette deck to this unit, also connect the RI terminal between the two devices.
- When you play a CD-R on an Onkyo CD recorder, the input on this unit automatically switches to CD-R. If a digital connection is in use, the input switches to "CD-R/dig".
- You can perform system recording operations.



■ When connecting to other CD recorders

Connect terminal K of this unit's DOCK/CDR OUT (DOCK OUT on the FR-N7X) to the audio input terminal of the CD recorder, and connect terminal L of this unit's DOCK/CDR IN

(DOCK IN on the FR-N7X) terminal L to the audio output terminal on the CD recorder.

(FR-N9X only) To record digitally from this unit to a CD recorder, use an optical digital audio cable to connect this unit's DIGITAL OUT terminal to the CD recorder's digital input terminal.

Connecting External Devices

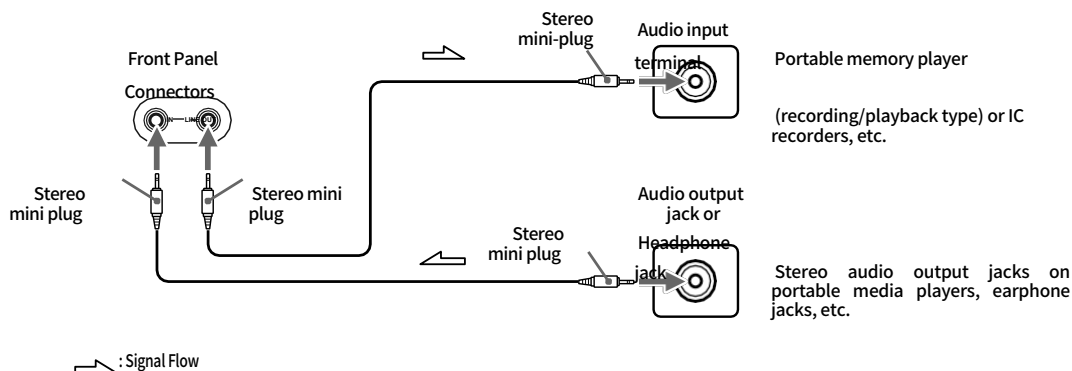
Connecting Portable Audio Devices

Line In/Out

The LINE IN/OUT terminals on the front of this unit are convenient for connecting portable audio devices.

Connect portable audio devices (such as memory players, MD players, CD players, and other playback devices) to the LINE IN terminal. Connect portable memory players (recording/playback type) or IC recorders to the LINE OUT terminal to record the sound played back by this unit.

Depending on the connector type of the device you are connecting, you may need to purchase a separate cable. The LINE IN/OUT terminals on this unit are compatible with stereo mini plugs.



- Please use a cable without a built-in resistor for connection.
- When recording from this unit's LINE OUT jack to another device, the volume remains constant. Adjust the recording level on the destination device.
- The sound quality after recording may differ from that of the original source.
- When connecting the headphone jack of another device to the LINE IN jack of this unit, adjust the volume on the connecting device beforehand.
- When connecting to the LINE IN jack, be careful not to accidentally connect to the adjacent PHONES jack. Incorrect connection may cause the PHONES jack to malfunction.

Connecting the power cord

Make sure all connections are complete.

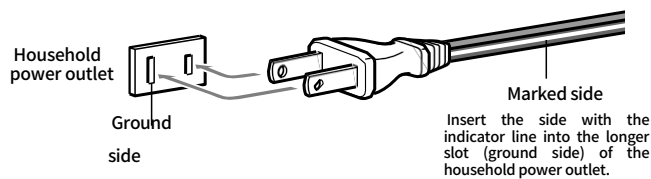
Standby

When the power cord is connected, the unit enters standby mode and the STANDBY indicator lights up.

For better sound quality

The power cord on this unit is polarized. Insert the end of the power cord marked with a line into the longer slot of the household power outlet. If both slots on the household power outlet are the same length, either end can be used.

Example:



Understanding Basic Operation

Turn on the power

Standby On
STANDBY/ON
Button
Standby
STANDBY
Indicator

Phones
PHONES jack

Volume
VOLUME
Knob
INPUT ◀▶
Button

Standby On
STANDBY/ON
Button

Main Unit
STANDBY/ON

Remote Control
STANDBY/ON

or

Press the STANDBY/ON button on the main unit or remote control

The STANDBY indicator will turn off and the unit will turn on. To return to standby mode, press the same button again.

! Tip
If an Onkyo RI dock or CD recorder, or cassette deck connected to this unit via an "xml-ph-0000@deepl.internal" cable and an audio pin cable, the power to this unit will automatically . Also, when you switch this unit between standby and on, the connected devices will turn on or enter standby mode.

Switching Inputs

Main unit
INPUT

Remote control
INPUT

Press the **INPUT** ◀▶ button on the main unit or remote control to switch

You can choose from CD, MD, FM, AM, radio, or a connected external device. Each time you press the button, the input switches as follows:



Adjusting the volume

Main unit
VOLUME

Remote control
VOLUME

Turn the **VOLUME** knob on the unit or press the **VOLUME** ▲/▼ buttons on the remote control

VOLUME ▲/▼ buttons

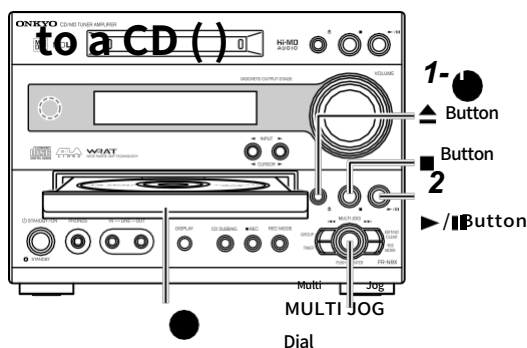
When listening with headphones

Connect the stereo mini plug of your headphones to the **PHONES** jack. Turn down the volume before connecting. Headphones

When headphones are connected, the speaker sound is muted.

Caution
Connecting the audio output signal from another device to the **PHONES** jack by mistake may cause a malfunction. Be careful not to plug the cable intended for the adjacent **LINE IN** jack into the **PHONES** jack by mistake.

Listening



1-

1

(CD Side)



Inserting a CD

Open/Close

Press the CD's "a" button to open the tray

Place the CD on the tray

Place the CD on the tray with the label side facing up.
For 8cm CDs, place them in the inner recess.

Pressing the CD button while the unit is in standby mode turns it on automatically.

2

(CD side)



Play/Pause

Press the -/f button on the CD

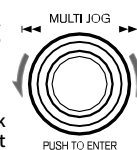
The tray closes and playback begins.



Track number currently playing
Elapsed time

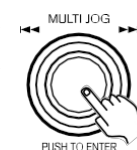
Select the song you want to hear

- During playback, turning the MULTI- JOG dial to the left returns you to the beginning of the current track; turning it further skips back one track at a time. Turning it to the right skips forward one track at a time. When stopped, turning it to the left skips back one track at a time, and turning it to the right skips forward one track at a time. On the remote control, pressing the · button during playback returns to the beginning of the current track, and pressing it again skips back one track at a time. When stopped, pressing the · button skips back one track at a time, and pressing the Δ button skips forward one track at a time.



PUSH TO ENTER

- When stopped, pressing the MULTI JOG dial starts playback. During playback, pressing the MULTI JOG dial skips to the next track one track at a time.

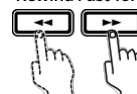


PUSH TO ENTER

Rewind/Fast-forward using the remote control

Press and hold while playing or paused, then release your finger at the point you want to listen to.

Rewind Fast-forward



Pause



Play/Pause

Press the CD's -/f button

The f indicator will light up on the display. Press it again to resume playback from where you paused.

Stop playback



Stop

Press the ■ button on the CD

Eject the CD



Open/Close

Press the a button on the CD to open the tray

Listen to the CD

Operate with the remote control

Select a

Number

Buttons

Select a track and play

Button: Select 10 or 0. Button: Select a track with two or more digits.

Example) Song number

press

8

10

34

To play track 11 or later, press , then select a track.

Pause playback

Press it again to resume playback from where you paused.

Stopping playback

Switching the display information

Display

Press the DISPLAY button.

Select the song you want to listen to

* While playing or paused Press the once while playback is in progress or paused to return to the beginning of the current song, pressing it twice returns you to the previous track. After that, each press takes you back one track.

* Pressing the button skips to the next track each time.

To rewind or fast-forward

While playing or paused, hold down the button and release it when you reach the point you want to listen to.

Play

If a CD is loaded, the power will turn on automatically and playback will start even if the unit is in standby mode.

Switch display information

Press the DISPLAY button on the unit or the remote control (repeatedly) to switch the information displayed.

Display button

Display button

During playback

Disc

Total

Total tracks

Total playback time (DISC TOTAL)

During playback or pause

Elapsed Time

Remaining

Remaining track time (REMAIN)

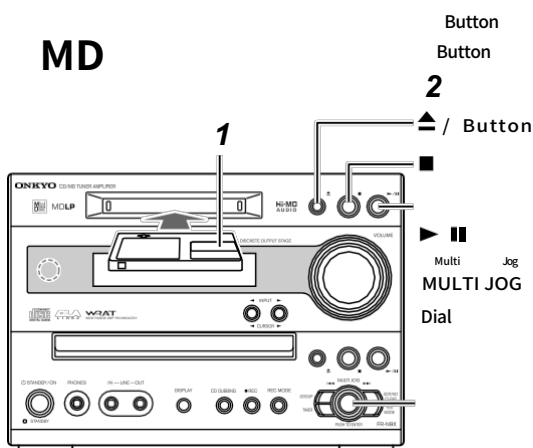
Total

Remain

Total remaining time for the entire disc (TOTAL REMAIN)

Listen to

MD



1

Insert an MD

Select either a blank MD or a pre-recorded MD. Insert the MD with the label side facing up and the arrow pointing toward the unit's slot.

Press lightly and it will be drawn in automatically.

- For Hi-MDs, the Hi-MD indicator will light up.



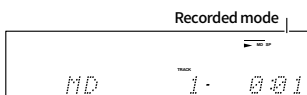
You cannot insert an MD while the unit is in standby mode. Please turn on the power before inserting an MD.

2

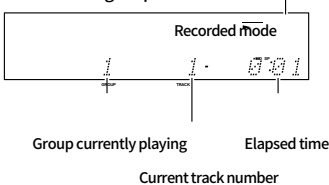


Press the $\blacktriangle/\text{f}$ button on the MD

Playback will begin.



For MDs with groups



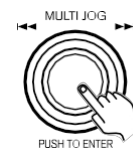
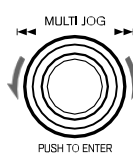
Group currently playing Elapsed time
Current track number

Select the song you want to hear

- While playing, turning the MULTI JOG dial to the left returns you to the beginning of the current track; turning it further skips back one track at a time. Turning it to the right skips forward one track at a time.

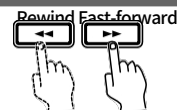
When playback is paused, turning the dial to the left skips back one track at a time, and turning it to the right skips forward one track at a time. On the remote control, pressing the $\cdot$ button during playback returns to the beginning of the current track, and pressing it again skips back one track at a time. When playback is paused, pressing the $\cdot$ button skips back one track at a time, and pressing the Δ button skips forward one track at a time.

- When stopped, pressing the MULTI JOG dial starts playback. During playback, pressing the MULTI JOG dial skips to the next track one by one.



Rewind/Fast-forward using the remote

Press and hold while playing or paused, then release your finger at the point you want to listen to.



!Tip

Rewinding or fast-forwarding while paused will not produce any sound. Please check the elapsed time on the display.

Pause



Play/Pause

Press the MD's $\blacktriangle/\text{f}$ button

The f indicator on the display will light up. Press it again to resume playback from where you paused.

Stop playback



Stop

Press the $\blacksquare$ button on the MD

Eject the MD



Eject

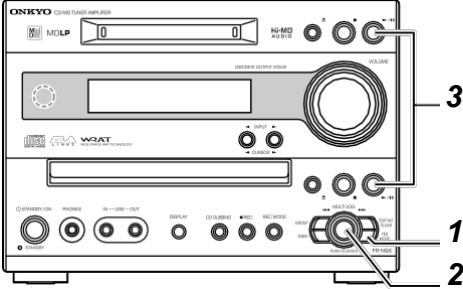
Press the Δ button on the MD

Various CD/MD Playback Options ()

In addition to basic playback, you can enjoy various playback options and repeat functions.

Memory Playback

- You can specify tracks (up to 25 tracks each for CD and MD) and play them in that order.
- By saving your favorite tracks from a CD and combining this with the CD dubbing function, you can easily create your own custom MD. (Note: CD double-speed dubbing is not available.)



Input is set to CD/MD and is paused

1

Yes Mode

Press the YES/MODE button (repeatedly)

Press the MEM

Press to display "MEM"

Memory

"MEM" lights up

2

Multi Jog

MULTI JOG Turn the dial to select a track, then press the dial to confirm. Repeat this procedure to select the next track.

Reserved track number

Total reserved tracks

Playback Time

MULTI JOG

PUSH TO ENTER

! Tip

If the total reservation time exceeds the following limits, the total time will not be displayed, but playback will not be affected.

CD: If the total exceeds 99 minutes and 59 seconds, the display will show "-----"

MD: If the total time exceeds 999 minutes and 59 seconds, it will display as "-----"

You cannot program more than 26 tracks.

"Memory Full" will be displayed.

Operate with the remote control

2

"Number buttons" (page 27) (Cannot be operated during memory playback)

Edit No Clear

EDIT/NO/CLEAR Button

Left Arrow Button

Right Arrow Button

1

Press the Press

- To select a track within a group on an MD, see page 50.

3

(CD side)

Or (For MD)

Play/Pause

Press the /f button on the CD or MD

Press

Memory playback will begin. The reservation will not be deleted even after playback ends.

Track number currently playing

During playback, turn the MULTI JOG dial or press the π / Δ button on the remote control to select a song from your playlist.

To check your presets

You can check your presets by pressing the π / " button while the unit is stopped.

To cancel a reserved track

- While in memory playback mode and the unit is paused, press the EDIT/NO/CLEAR button (repeatedly) to cancel starting from the last reserved track.
- Once you switch playback modes, the stored data will be erased.

To cancel

"Return to Normal Playback" on page 30

- The settings are also canceled when you remove the disc or put the unit into standby mode.

28

FR-N9/X-N9N7 (25-30) (SN29344207)

Black

28

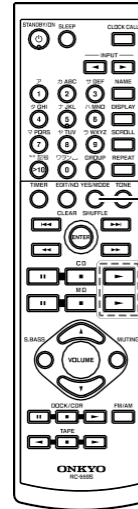
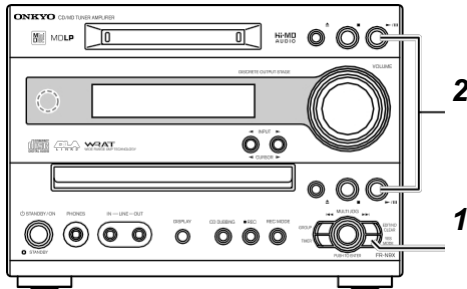
March 10, 2006,
3:47 PM

Various CD/MD Playback Modes

Random Play

- Randomizes the track order and plays all tracks once.

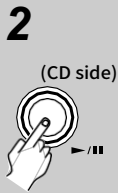
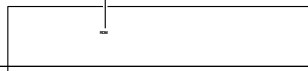
Operating with the remote control



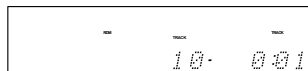
Input is CD/MD and playback is paused



Yes Mode
Press the YES/MODE button
(repeatedly)
Random
Press to display "RDM"
Random
"RDM" lights up



Play/Pause
Press the $\square/\square$ button on the CD or MD
Playback begins.



Track number currently playing

To cancel

Return to Normal Playback on page 30

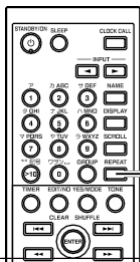
- This mode is also canceled when you eject the disc or put the unit into standby mode.

Various CD/MD Playback

One Track

Repeat/1TR Set repeat playback

- Set using the remote control.
- Repeat playback repeats either the CD or the MD.
- 1TR repeat playback repeats a single track on either a CD or MD.
- Repeat playback can be used in combination with MD 1-group playback (page 51), memory playback, random playback, and normal playback. 1TR repeat playback can only be used in combination with normal playback.



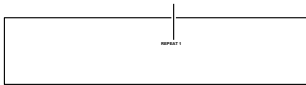
Repeat
REPEAT button

REPEAT



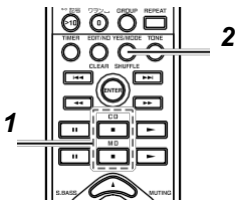
Press the REPEAT button on the remote control repeatedly until "REPEAT" or "REPEAT 1" is displayed

Repeat
"REPEAT" or
"REPEAT 1" is lit



Repeat or 1TR Repeat playback mode is selected.

Operate with the remote control



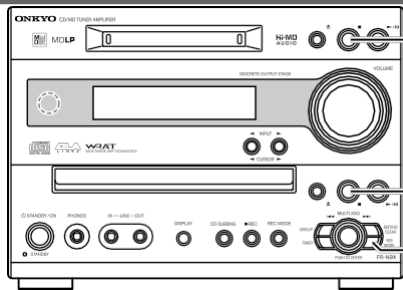
Repeat, 1TR Cancel repeat playback

REPEAT



Press the REPEAT button on the remote control repeatedly to cycle through "REPEAT," "REPEAT 1" is displayed

Return to normal playback



1

(CD side)



or

(MD side)



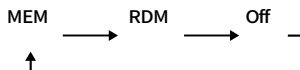
2



Press the  button on the CD or MD to stop playback

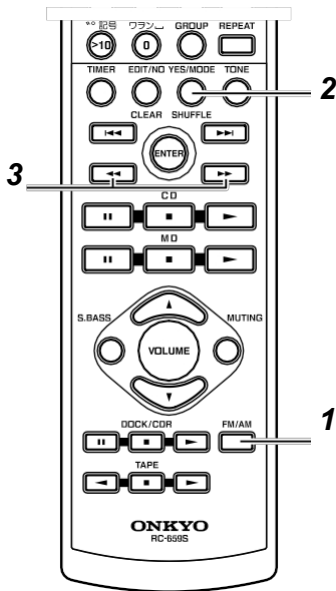
Press the YES/MODE button (repeat Memory Random)
Press to ensure that neither "MEM" nor "RDM" is lit

Each time you press it, the display changes



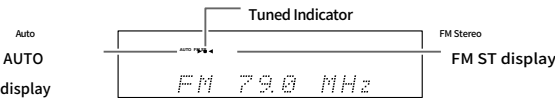
Listening to FM/AM broadcasts

Tune in to a frequency



When a station is received, the tuned indicator  lights up.

When an FM stereo station is received, the FM ST indicator lights up.



1



FM/AM

Set the input to FM or AM. Press the FM/AM button to select FM or AM.

2



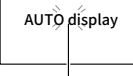
YES/MODE

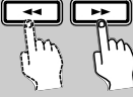
Press the MODE button to select automatic or manual reception.

To tune automatically (auto-tuning) to light up the "AUTO" display. This will enable stereo reception.

To tune manually (manual tuning) Turn off the "AUTO" display. This will switch to mono reception.

- Press the YES/MODE button on the unit to switch modes.





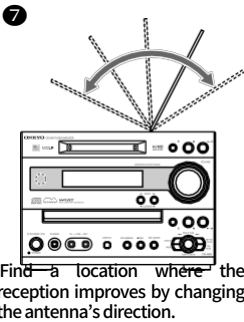
Press the  button on the remote control. During automatic reception (auto-tuning), the unit will stop automatically when it finds a station.

During manual reception (manual tuning), the frequency changes by 0.1 MHz for FM and 9 kHz for AM with each press. If you hold the button down, the frequency changes continuously. The frequency stops when you release the button.

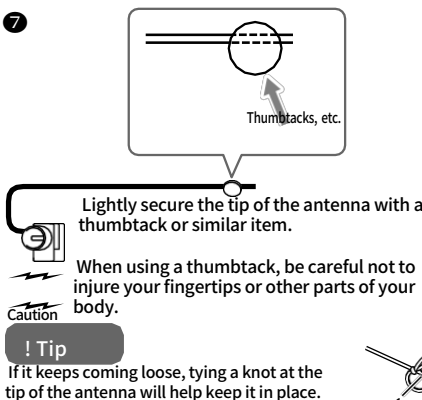
Adjust the antenna

Adjust and secure the FM indoor antenna

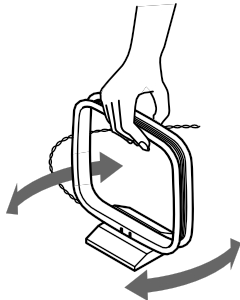
Adjust the FM antenna while listening to an FM broadcast.



Find a location where the reception improves by changing the antenna's direction.



Adjusting the AM indoor antenna While listening to AM broadcasts, reposition the antenna or rotate it left and right to find the position that provides the best reception.



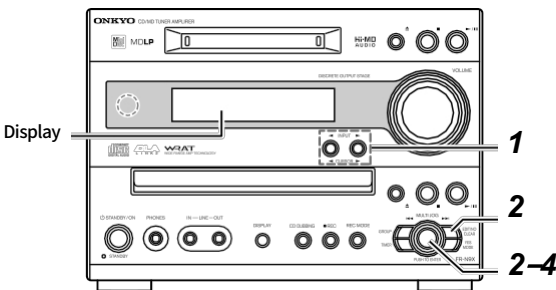
Registering Stations

Automatic Registration – Auto Preset – (FM-only feature)

Once registered, you can select stations without having to tune to their specific frequencies. The entire process, from reception to registration, is performed automatically. AM stations cannot be registered automatically; please refer to page 33.

Prerequisite

- The FM reception frequency range is 76.0–90.0 MHz. This unit can also receive audio from TV channels VHF 1–3. The display will show “VHF 3CH” or similar. TV audio frequencies
Channel 1: 95.75 MHz, Channel 2: 101.75 MHz, Channel 3: 107.75 MHz
*Please also refer to the "Notice" below.
- If you have already registered FM stations, performing an auto-preset will erase all previous registrations and register them anew.



Before Operation

Turn on the power.

Adjust the position of the FM antenna

(page 31)

Note

Depending on your location, non-broadcast signals (noise) may be registered. Please delete such channels. (page 35)

1

INPUT

Press the **INPUT** button repeatedly to display "FM"

2

EDIT/NO CLEAR

Press the **EDIT/NO/CLEAR** button, Turn the **MULTI JOG** dial to display "AutoPreset?"

3



Press the MULTI JOG dial

"AutoPreset?" will be displayed for confirmation. To cancel, press the EDIT/NO/CLEAR button.

4



Press the MULTI JOG dial

Auto Preset will begin. Up to 20 stations will be registered automatically, starting with the lowest frequency.

! Tip

Use the FM/AM button, EDIT/NO/CLEAR button, and Δ buttons, and the ENTER button on the remote control.

! Tip

You can also do the following after registration.

- Name the registered channel [Page 62](#)
- Select a registered channel [Page 35](#)
- Delete.
- Copy the registered stations to another channel [Copy to another channel.](#)

Notice

National law stipulates that terrestrial analog TV broadcasting will end by July 2011. After terrestrial analog TV broadcasting ends, you will not be able to hear the TV audio. The same applies to VHF Channels 1–3, which can be received by this unit.

Registering a station

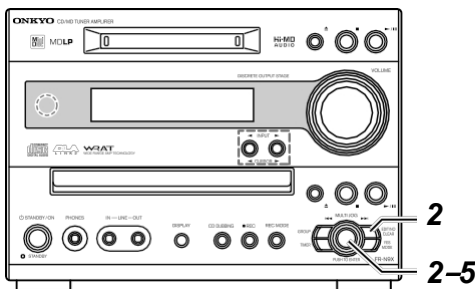
Registering one station at a time – Preset Light –

For AM stations, tune to the frequency manually and register them one by one.
(For FM, you can use this method or the automatic registration method, "Auto Preset.")

Prerequisite

Knowledge

- You can register up to 30 channels in total for FM and AM. For example, if you are using 8 FM channels, you can register up to 22 AM channels.
- FM and AM are displayed separately, so it is okay if the same channel numbers are used for both FM and AM.
- When registering stations one by one, you can assign them to your preferred channel numbers. For example, you can set them to AM channels 2, 5, and 9.



Before Use

Please turn on the power.

1

Tune in to the station you want to register

Refer to page 31 to tune in to the station you want to register.

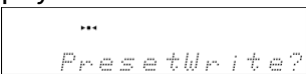
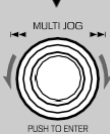
2



Press the EDIT/NO/CLEAR button,

Turn the MULTI JOG dial

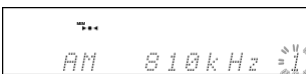
Display "Preset Write?"



3



Press the MULTI JOG dial

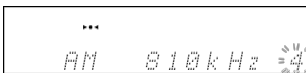


The channel to be registered is displayed.
Press the EDIT/NO/CLEAR button to cancel.

4



To register a different channel, turn the MULTI JOG dial

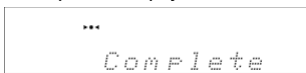


5



Press the MULTI JOG dial to confirm.

When "Complete" is displayed



the station has been registered to a preset channel.

When "Overwrite?" is displayed

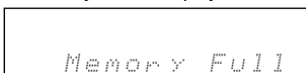


The selected channel number is already registered.

- To delete a station that is already registered and register a new one, press the YES/MODE button.
- To cancel registration, press the EDIT/NO/CLEAR button.



When "Memory Full" is displayed



30 channels have already been registered for FM and AM combined. Delete any unnecessary channels (page 35), then register them again.

6

To register the next channel, repeat steps 1 through 5

! Hint

You can also use the remote control's EDIT/NO/CLEAR buttons, +/- buttons, and ENTER button to operate the system.

! Tip

You can also do the following after registration.

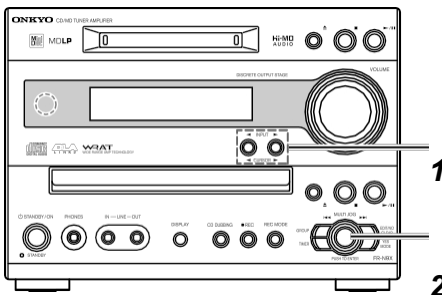
- Assign a name to the registered channel [Page 62](#)
- Select a registered channel [Page 35](#)
- Delete.
- Copy the registered station to another channel [Page 35](#)

Register a station

Listening to registered stations

Please register the stations in advance. (Pages 32, 33)

Operating the Main Unit



Before operating

Please turn on the power.

1

INPUT

Set the input to FM or AM

Press the **INPUT** button to select FM or AM.

FM 79.0 MHz 1

2

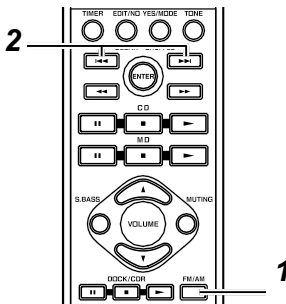
MULTI JOG

MULTI Turn the dial to select a preset channel.

Turn left to select the previous channel, or turn right to select the next channel.

FM 89.9 MHz 2

Operating with the remote control



Before Use

Turn on the power.

FM/AM

Press the FM/AM button

Press it again to switch bands. Pressing it while in FM mode switches to AM, and pressing it while in AM mode switches to FM.

2

MULTI JOG

Press the **MULTI JOG** button to select a preset station

Pressing the **MULTI JOG** button selects the previous channel, Pressing the **MULTI JOG** button selects the next channel.

You can also select a preset station using the number buttons.

Example) Press the **8** Button to press

10

22

8 1 0 >10 2 2

Switch the information on the display

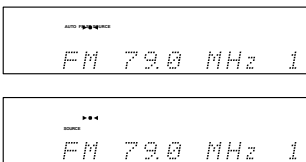
Press the DISPLAY button on the unit or the remote control (repeatedly) to switch the information.

FM/AM frequency ↔ Name assigned to the station

34

If you have difficulty receiving FM broadcasts

YES/MODE



- If the registered station does not have a name,

No
"No Name" will be displayed, and the screen will return to the frequency display.

 "Naming Registered Stations" ( page 62)

In areas with weak reception or a lot of noise, press the

Yes
YES/MODE button on the main unit or the
Auto
remote control to clear the AUTO (Auto
Stereo) display and switch to mono
reception.

This will reduce noise and sound dropouts.

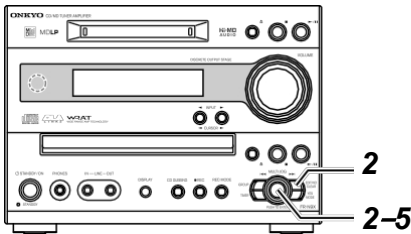
Auto
To return to AUTO, press the same button
again. Normally, if you leave it set to AUTO,
it will automatically switch to FM stereo
reception.

Editing Registered Stations

Using the two basic functions—Copy and Delete—you can copy a station registered on one channel to another channel, change channel numbers, and delete unwanted channels.

Copying registered stations

When you copy a registered station, the name you assigned to (page 62) will be copied at the same time.



1	Select the FM or AM channel you want to copy Channel Example: When selecting Channel 4, FM 80.00 MHz FM 80.00 MHz 4
2	Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Preset Copy?" Preset Copy?
3	Press the MULTI JOG dial FM 80.00 MHz 4 The channel will start flashing; turn the MULTI JOG dial to select the destination channel.
4	Press the MULTI JOG dial The station will be copied to the specified channel, and "Complete" will be displayed.

	When "Overwrite?" is displayed FM 80.00 MHz 4 the selected channel is already registered. - To delete a station already registered and replace it with a new one, press the MULTI JOG dial. - To cancel the overwrite, press the EDIT/NO/CLEAR button. Use the buttons and the CLEAR button, and ENTER button on the remote control.
Registered stations	

1	Select the FM or AM channel you want to delete
2	Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Preset Erase?" Preset Erase?
3	Press the MULTI JOG dial A confirmation message saying "Erase OK?" will appear. To cancel the deletion, press the EDIT/NO/CLEAR button. To delete, press the MULTI JOG dial again. The registered station will be deleted, and "Complete" appears, and the display returns to normal.

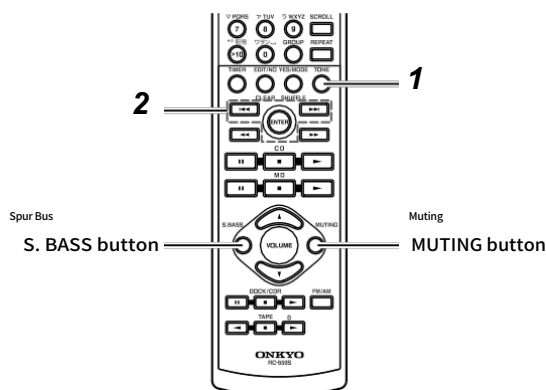
Editing Tips

To change a channel number, Use the copy and delete functions. For example, to change a station registered to channel 4 on FM to channel 6 (an empty channel),

- Copy Channel 4 to Channel 6.
- Delete Channel 4.

You can follow these steps.

Adjust the sound quality



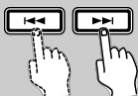
Adjust bass

1



TONE
Press the TONE button (repeatedly) to display "Bass"

2



Press the ∇/Δ button to adjust,
Press the ENTER button to confirm

- The default setting is " ± 0 ", but you can adjust it in 1-step increments between -3 and +3.
- Press the ENTER button to adjust the treble.

Note

If you do not perform any operations for approximately 8 seconds, the screen will return to the previous display.



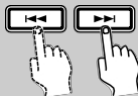
Adjust treble

1



Press the TONE button (repeatedly) to display "Treble"

2



Press the ∇/Δ button to adjust, then press the ENTER button to confirm

- The default setting is " ± 0 ", but you can adjust it in 1-step increments between -3 and +3.
- Press the ENTER button to return to the previous display.

Note

If you do not perform any operation for approximately 8 seconds, the display will return to the original screen.

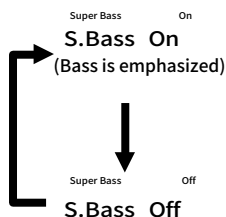


Emphasizes bass

S.BASS



Super Bass
Press the S.BASS button
Each time you press the button, the settings cycle as follows.



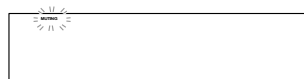
When the S.BASS function is active, the S.BASS indicator lights up.

Temporarily lower the volume

MUTING



Muting
Press the MUTING button
The MUTING indicator flashes and the volume is reduced to a very low level.



Press it again to cancel. It is also canceled in the following cases.

- When you adjust the volume
- When you turn the power off and then back on

Recording

MD Basics

There are two types of MDs: playback-only and recordable.

With cassette tapes, rewinding the tape causes the new recording to overwrite the previous one, but with MDs, new recordings are appended to the end of the previously recorded tracks. If you want to record from the beginning, erase the existing recording before starting. Information about recordings, names, and edits is stored in the MD's table of contents.

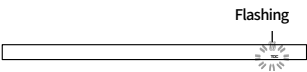
(TOC = Table of Contents).

When the TOC indicator is lit (during recording or when naming a track, for example), the information to be written to the MD's TOC is stored in the unit's memory.



When the TOC indicator is flashing (e.g., when recording is stopped or a disc is being removed)

Information is currently being written to the MD. Do not unplug the power cord or shake the unit while in this state. If a power failure occurs, the recording data prior to the failure will be erased.



What is MDLP?

It cuts out sounds inaudible to the human ear and compresses the data for recording. As a result, the recording time is doubled or quadrupled compared to standard recording. You can select this option in MD mode, such as LP2 or LP4.

What is the Group Function?

You can organize the tracks on a single MD into groups of your choice. This is especially useful when using discs with many tracks in MDLP or Hi-MD mode. (Page 50)

What is Hi-MD?

This unit supports two types of MD: Hi-MD mode and MD mode.

- 60-, 74-, and 80-minute discs without the Hi-MD logo can be formatted (page 38) to enable Hi-MD mode. However, 1GB discs designed exclusively for the Hi-MD standard are for Hi-MD mode only and cannot be used in MD mode.
- Hi-MD mode uses a different recording method to achieve higher compression and better sound quality compared to conventional LP2 and LP4 formats. This allows for longer recording times than MD mode while maintaining high sound quality.

MD mode is a mode that records only conventional music data. Hi-MD mode is a new MD format that allows you to record not only conventional music data but also text and image data using a computer. This unit supports only the recording, playback, and deletion of music data. Additionally, music data transferred from a computer (such as MP3s) via a computer cannot be played back on this unit.

How to Choose Between Hi-MD Mode and MD Mode

You cannot mix MD mode and Hi-MD mode on a single disc. Please refer to the items below and select the appropriate mode for each disc based on your intended use.

Hi-MD Mode

- When using MDs exclusively with this unit
- If you will only play discs recorded on this unit on Hi-MD-compatible devices (such as other portable MD players or in-car MD players you own that support Hi-MD)

Initialize the Hi-MD. (Page 38) Any tracks already recorded will be erased.

MD Mode

- If you plan to play discs recorded on this unit on devices that do not support Hi-MD (if your other portable MD players or in-car MD players do not support Hi-MD, discs created in Hi-MD mode cannot be played)

Recording Mode and Recording Time

(In MD mode)

Disc Type Recording Mode	80-minute disc	74-minute disc	60-minute disc
SP (Stereo Recording)	Approx. 80 min	Approx. 74 min	Approx. 60 min
LP2 (Stereo Recording)	Approx. 2 hours 40 minutes	Approx. 2 hours 28 minutes	Approx. 2 hours
LP4 (Stereo recording)	Approx. 5 hours 20 minutes	Approx. 4 hours 56 minutes	Approx. 4 hours
MONO (Mono recording)	Approx. 2 hours 40 minutes	Approx. 2 hours 28 minutes	Approx. 2 hours

(in Hi-MD mode)

Disc type Recording mode	Hi-MD Standard-specific 1GB Disc	80-minute disc	74-minute disc	60-minute disc
PCM (Uncompressed stereo recording)	Approx. 1 hour 34 minutes	Approx. 28 min	Approx. 26 min	Approx. 21 min
Hi-SP (Stereo recording)	Approximately 7 hours and 55 minutes	Approx. 2 hours 20 minutes	Approx. 2 hours 10 minutes	Approx. 1 hour 45 minutes
Hi-LP (Stereo recording)	Approx. 34 hours	Approx. 10 hours 10 minutes	Approx. 9 hours 25 minutes	Approx. 7 hours 40 minutes

- PCM is a recording mode that records CD music data without any compression, allowing you to achieve the same sound quality as a CD. However, because it requires a large amount of storage space, the recording time is shorter.

Note

- Discs recorded in Hi-MD mode cannot be played on devices that do not support Hi-MD.
- You cannot mix Hi-MD mode and MD mode recordings on a single disc.
- Discs recorded in LP2 or LP4 mode cannot be played on devices that do not support LP2 or LP4 mode.

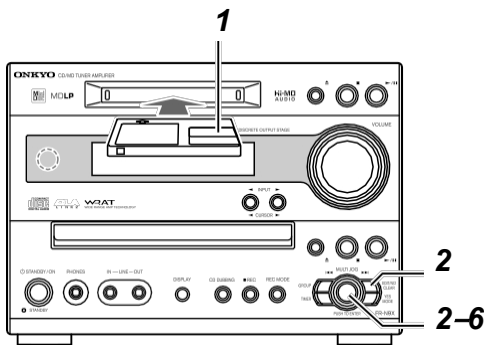


Recording

Initializing the MD (Disk Format)

Set 60/74/80-minute discs to MD mode or Hi-MD mode. (Discs designed exclusively for the Hi-MD standard are for Hi-MD mode only and cannot be set to MD mode.)

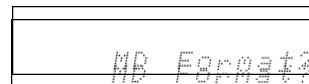
- If the disc contains recorded music or, in the case of Hi-MD, other data (such as documents or images), all data will be erased during initialization.



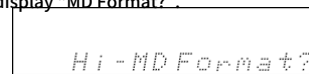
4



Turn the MULTI JOG dial to display "MD Format?" or "Hi-MD Format?"



- To set the unit to MD mode, display "MD Format?"



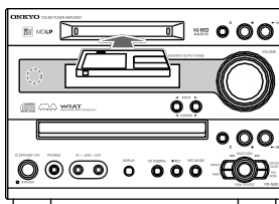
- To set to Hi-MD mode, "Hi-MD Format?" will be displayed.

Input is stopped on the MD

1

Insert an MD

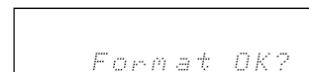
- For MD-mode discs, "MD" will appear on the display.
- For Hi-MD mode discs, the Hi-MD indicator will light up.



5



MULTI Press the JOG dial. "Format OK? (Data will be erased. Are you sure?)" will appear



6



Press the MULTI JOG dial

The MD will be initialized.



Note

- When you set the unit to MD mode, the disc will be in MD mode and will not switch to Hi-MD mode unless you initialize it again.
- If you set it to Hi-MD mode, the disc will be in Hi-MD mode and will not return to MD mode unless you initialize it again. Also, it cannot be played on devices that do not support Hi-MD.

! Tip

Use the EDIT/NO/CLEAR button, the ∇ / Δ buttons, and the ENTER button.

Recording Methods

You cannot digitally record a CD-R that was recorded digitally.

CD Dubbing	Dubbing Use the CD DUBBING button to record from the unit's CD to an MD with a single touch - Digital Input Recording... Automatically records from the digital input. - Track numbers are automatically assigned to the MD. - You can turn DLA Link (a function that automatically adjusts to the optimal recording level) on or off.
CD Double-Speed Dubbing	Performs the above CD dubbing in about half the time DLA Link does not function.
Synchronized Recording	Recording to MD from Onkyo external devices - You can turn Level Sync (a feature that automatically assigns track numbers based on the rise of the input level) on or off. - You can adjust the recording level to your liking.
Signal	Recording to MD from other external devices
Synchronized recording	• You can turn Level Sync (a function that automatically assigns track numbers when the input level rises) on or off. You can adjust the recording level to your liking.

How do I handle recordings like this?	This feature and setting are useful	
I want to record in Hi-MD mode	Initialize and set the disc to Hi-MD mode	Page 38
I want to record an album CD directly to an MD	CD dubbing (You can also dub CDs at double speed)	Page 40 Page 41
I want to record only the song I'm currently listening to	Track-Specific CD Ripping	Page 42
I want to record only my favorite songs from a CD	Ripping only the songs you like Record using the memory playback function	Page 42
I want to record many single CDs onto an MD	Track-selective CD dubbing	Page 42
Want to finish recording quickly	CD dubbing at double speed	Page 41
Want to record FM/AM broadcasts	Recording FM/AM Broadcasts to MD	Page 43
Recording to MD from an Onkyo cassette deck or CD recorder	Synchronized Recording	Page 44
Recording to MD from other external devices	Signal-synchronized recording	Page 45
I want to put many songs on a single MD	Switching recording modes	Page 46
Recording while creating groups	MD Group Recording Settings	Page 46
I want to fade out tracks that aren't recorded to the end	Fade-out dubbing settings	Page 47
I want to dub a CD while maintaining the CD's volume level	Switch the DLA link and dub the CD	Page 47 Page 40
Adjusting the recording level	Adjusting the recording level	Page 48
I want to record from a CD to an MD via an analog connection	Set to analog input recording and perform synchronized recording	Page 48 Page 44
I want to switch the level sync	Switching Level Sync	Page 49

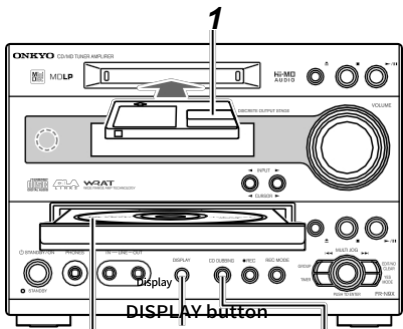
Recording

Recording a CD to an MD (CD dubbing)

- One-touch digital recording.
- Track numbers are assigned automatically.

Note

You cannot copy CDs when the CD is in random play mode.

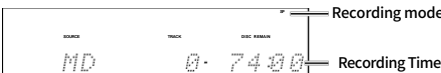


1
DISPLAY



Inserting CDs and MDs

To check the remaining recording time on an MD
set the input to MD and press the DISPLAY button repeatedly.



1

2

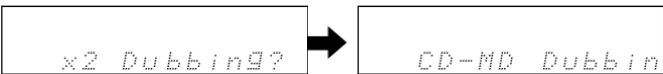
!Tip

To switch recording modes,
Press the REC MODE button.
(Page 46)

2
CD DUBBING



Press the CD DUBBING button

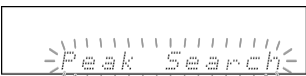


"X2 Dubbing?" appears for 3 seconds displayed.

"CD-MD Dubbing DLA Link On" is
Or
"CD-MD Dubbing DLA Link Off" scrolls
across the display.

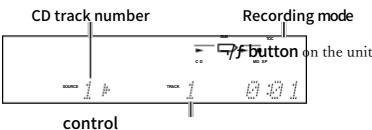
<DLA Link>

The CD performs Peak Search (detection of maximum level),
sets the optimal recording level for the MD. (To turn this feature on
, see page 47)



<Start Recording>

Recording will then begin. The recording time is the same as the CD's recording time
It takes only that much time to record.



Playback starts from the track number
began

<Stop Recording>

Recording stops when the CD finishes playing or when the MD is fully
recorded.
After recording stops, the TOC indicator will flash while the recorded
information is written. This may take about 90 seconds.

!Tip

Peak Search may take up to 90
seconds.

Precautions During CD

Buttons such as $\blacktriangle$ and $\blacktriangleright$ do not

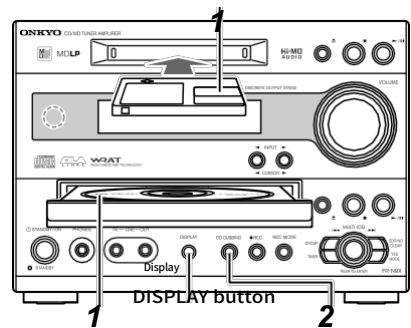
To check the recording result

After recording is complete, press the
or press the MD button on the remote

Playback starts from where recording
Recording will stop.

Recording a CD to an MD (CD double-speed dubbing)

- Digital recording is completed in about half the usual time.
- Track numbers are assigned automatically.
- DLA Link does not work.
- You cannot hear the audio while dubbing at double speed.
- You cannot perform double-speed CD dubbing when the CD is in memory playback or random playback mode. Repeat playback will be canceled.
- High-speed CD dubbing is more susceptible to issues caused by disc dirt or other factors. If you experience skipping or noise, please record using standard CD dubbing.



1

DISPLAY

Insert a CD or MD

To check the remaining recording time on an MD

Set the input to MD, press the DISPLAY button repeatedly, Please do so.

!Tip

To switch recording modes, press the REC MODE button, and then press the REC MODE button. (Page 46)

2

CD DUBBING

Press the CD DUBBING button twice

Press the CD DUBBING button again within 3 seconds.

CD-MD × 2 Dubbing scrolls

<Start Recording>
Recording will then begin. The buttons during recording.
It takes about half the time.

<Stop Recording>
Recording stops when the CD finishes playing or when the MD is full.
button on the unit or

After recording stops, the TOC indicator will flash, and the recorded information will be written where the sound began. This may take about 90 seconds.

Play/Pause/Eject
-/f, a, and other buttons do not function

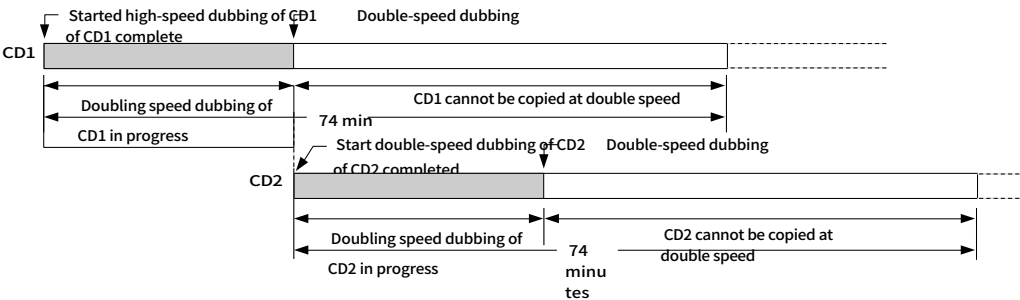
After recording is complete, press the -/f button

Press the MD- button on the remote control. Playback starts from the point where the

Restrictions on CD double-speed dubbing *Restrictions apply only to discs in MD mode.

CDs recorded in MD mode at double speed cannot be played back at double speed for the first 74 minutes, regardless of the recording time, due to copyright protection.

If you attempt to perform high-speed CD dubbing, "Time Protect" will be displayed, and that CD cannot be high-speed CD (e.g., "Wait 42 min"). If you use a different CD, you can continue recording, but you cannot record more than 21 CDs consecutively within 74 minutes.



Record

Recording CDs to MD (Various CD Ripping Methods)

Record only the currently playing track from the beginning (Track-specific CD dubbing)

Play/Pause

- ⑦ Insert the CD and MD, then press the $\overline{\text{P}}/f$ button to start playback Dubbing
- ⑦ If you find a song you want to record while listening to a CD, press the CD DUBBING button
When the DLA Link function is “On,” the system performs a peak search, and then recording starts from the beginning of the track you were listening to. (See page 47 to set DLA Link to “On.”)
Recording takes as long as the CD track.
The MD will stop when the track is finished dubbing. The CD will continue playing.

Note

- Double-speed CD dubbing is not available.
- You cannot copy a CD when it is in random play mode.

Copying only your favorite songs

- ⑦ Insert the CD and MD, set the input to CD, and then configure the memory playback settings
Follow the setup instructions on page 28.
(Do not play the disc. If you play it, the CD dubbing will be performed by track.)
- ⑦ CD Dubbing
Press the DUBBING button When the DLA Link function is “On,” peak search will be performed, and recording will begin afterward. (See page 47 to set the DLA Link function to “On.”)

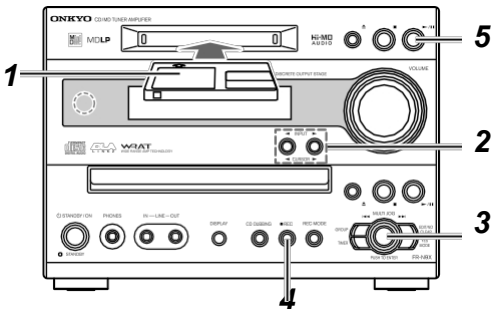
Note

- You cannot perform double-speed CD dubbing when the CD is set to memory playback or random playback.
- When recording in 1TR repeat mode, track numbers may not be assigned.

Recording

Recording FM/AM broadcasts to an MD

When recording long radio programs, etc., it is convenient to switch the recording mode (⇨ page 46).



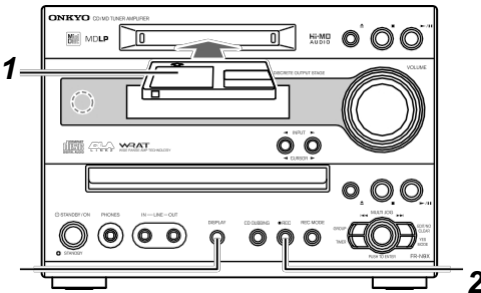
1	Insert the MD
2	Input Press the INPUT²/ button repeatedly to set the input to "FM" or "AM" FM
3	Multi JOG MULTI JOG Turn the dial to select the station you want to record MULTI JOG FM 79.00MHz 1 To switch recording modes, press the REC MODE button. (⇨ Page 46)
4	REC Press the REC button to put the unit in recording standby mode REC FM 79.00MHz 1 When recording, assign Track Numbers – Level Sync" Switching" (page 49)
5	Play/Pause Press the $\blacktriangle/\text{II}$ button on the MD to start recording Recording mode paused Track number during recording Recording will stop automatically when the MD is full. To stop recording midway, press the $\blacksquare$ button on the MD. After recording stops, the TOC display will flash, and the recorded information will be written. This may take about 90 seconds. To check the recording results After recording is complete, press the $\blacktriangle/\text{II}$ button on the unit or the MD- button on the remote control. Playback will start from the point where recording began. Press the II button on the MD. Now Press once to resume from where you recording will start. The track number will advance to the next track. To stop While recording, at the point where you Press the II button. However If the interval between button presses is short (approx. 4 seconds (Below) Sometimes, track numbers are not assigned



Recording

Recording from an Onkyo product to an MD (Synchronized Recording)

- This is convenient for recording from Onkyo external devices.
- It is also useful



Display
DISPLAY button

Here, we explain the procedure for
to the unit's MD.

1

DISPLAY

Set the recording source (tape in the connected cassette deck) and MD

To check the remaining recording time on the MD

Set the input to MD and press the DISPLAY button repeatedly.

REC

Mode

! Tip

To switch recording modes, press the REC MODE button. (See page 46)

2

REC

Press the REC button to put the unit in recording standby mode

1. 000

If the MD group recording setting is set to "On," a new is displayed because a new group is created for recording.

3

(Cassette deck side)

Play the to be recorded (the connected cassette tape)

Synchro Rec

Recording begins.

Recording mode

TA 1. 001

To pause sync recording

want to assign a track number stop the source currently playing (the connected cassette tape), the MD will enter recording standby mode. succession (about 4 seconds or less), track numbers will not be assigned. This may take about 90 seconds.

Pause to select a track

If you pause or stop the currently playing source, the MD will also enter recording standby mode. Once you select a track and resume playback, recording on the MD will begin. However, M D Pressing the M stops, but the cassette tape decks will continue playback.

To assign track numbers as you like

While recording, at the point where you

To check the recording result

See the same section on page 43

! Tip

If you connect a separately sold Onkyo cassette deck or CD recorder to this unit, you can perform the following operations. Synchronized recording from a CD to a cassette tape or CD recorder

Synchronized recording from an MD to a cassette tape or CD recorder

- For synchronized recording from a CD or MD to a cassette tape, you will need to adjust the recording level on the cassette deck. For details, refer to the cassette deck's instruction manual.
- For instructions on recording to a CD recorder, refer to the CD recorder's instruction manual.

Recording from external devices to an MD

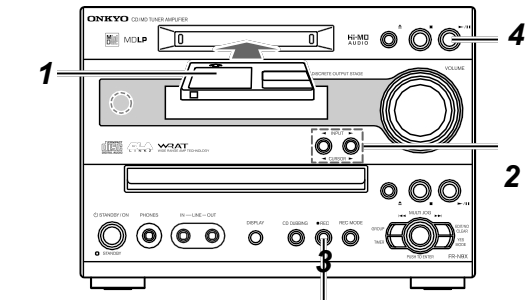
Record to an MD from an external device connected to this unit.

About digital recording

This unit is equipped with a sampling rate converter , so you can record digital signals (32 kHz or 48 kHz) from external digital devices (such as DAT or satellite broadcasts) other than CDs (44.1 kHz).

You cannot digitally record MDs or CD-Rs onto an MD.

1	Insert the MD
2	Input Press the INPUT  button repeatedly to select the external device you want to record from Dock Tape Line Digital Select one of DOCK, TAPE, LINE, or DIGITAL LINE If you change the name, that name will be displayed. ( Page 73) REC Mode To switch recording modes, press the REC MODE button. ( Page 46)
3	REC  Press the REC button to put the unit in recording standby mode Digital In Unlock For external digital inputs, if “D.In Unlock” is displayed or the DIGITAL indicator is flashing, either the digital terminal is not connected or the external device is not powered on.
4	Play/Pause Press the  button on the MD to start recording HI 1 001
5	Start playback from an external device Recording will stop automatically when the MD is full. To stop recording midway, press the  button on the MD.



Signal Sync Recording

Signal-synchronized recording is a function that automatically starts recording to the MD when an external input signal is detected.

7 Follow **steps 1–3** in the **left** column

The unit is now in normal recording standby mode.

7 Press the REC button



“Signal Rec” is displayed, and the unit enters signal-synchronized recording standby mode.

8 Start playback on the external device

Recording will start automatically when a signal is received from the external device.

( You do not need to perform step 4 in the section on the left.)

!Tip

You can also record in sync with the CD in this unit.

When adjusting the recording

See the section on page 48.

To switch the level sync

See the section on page 49.

To assign track numbers wherever you like

During recording, press the  button at the point where you want to assign a track number. However, if the interval between button presses is too short (4 seconds or less), the track number may not be assigned.

To pause recording

Press the  button on the MD. To resume recording, press the same button again.

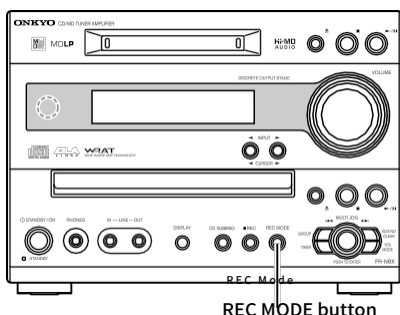
To check the recording

After recording is complete, press the  button on the unit or the MD  button on the remote control. Playback will start from the point where recording began.

Recording Settings

Switching recording modes While the MD is stopped

Set these before starting recording.



REC MODE

REC Mode

Each time you press the REC MODE button, the recording mode switches in the following order

The recording time varies depending on the recording mode. You can set this for each song.

MD Mode

SP: Standard stereo recording mode. You can record stereo audio for the duration indicated on the disc.

LP2: Compresses standard stereo recording to half the size. The recording time is twice that of "SP".

LP4: Compresses standard stereo recording to 1/4 of its original length. The recording time is four times that of "SP".

Mono

Mono: Mono recording mode.

The recordable time is twice that of "SP".

Hi-MD Mode

PCM: Uncompressed recording mode.

Hi-SP: This is the standard stereo recording mode for Hi-MD.

Hi-LP: This is the long-time stereo recording mode for Hi-MD.

Note

• Discs recorded in "LP2" or "LP4" mode cannot be played back on devices other than those equipped with LP2 or

LP4 modes.

In addition, the sound quality of discs recorded in "LP2" or "LP4" mode differs slightly from that of discs recorded in SP mode.

• Discs recorded in "PCM," "Hi-SP," or "Hi-LP" modes cannot be played back on devices other than those compatible with Hi-MD-compatible devices. Also, sound quality varies slightly depending on the mode.

MD Group Recording Settings Set while the input is MD and the unit is stopped

Set this before starting recording.

During recording, you can record multiple songs as a single group. (When dubbing from a CD using track selection, songs are dubbed one at a time, so they are not grouped.)

1

EDIT/NO/CLEAR

MULTI JOG

PUSH TO ENTER

Edit No Clear

Press the EDIT/NO/CLEAR button,

Turn the MULTI JOG dial,

Display "Group Rec?"

Group Rec?

2

MULTI JOG

PUSH TO ENTER

Press the MULTI JOG dial

On + Off?

The current settings are displayed. In this case, "On→Off?" means "Do you want to cancel group recording mode?"

On: Group recording mode is active. Multiple songs are recorded as a single track.

Off: Group recording mode is not active

3

MULTI JOG

PUSH TO ENTER

Press the MULTI JOG dial to confirm

If you want to stop this setting in the middle, Press the EDIT/NO/CLEAR button.

• If you use this setting for CD dubbing or recording, the tracks will be recorded as a single group. For synchronized recording or signal-synchronized recording, after starting recording, press the MD button.

! Tip

- Pressing the GROUP button during recording displays the current settings.
- Press the EDIT/NO/CLEAR button or $\uparrow/\downarrow$ buttons, and the ENTER button on the remote control.

For details on the MD Group function, see page 50.

Recording Settings

Fade-out dubbing setting Input is MD and stopped

Set this before starting recording.

If you set this function to "On" and perform CD dubbing or track-selective CD dubbing, songs that cannot be recorded to the end because the disc is full will be faded out (the volume will gradually decrease) midway through. (This is not available during double-speed CD dubbing.)

1 	Edit No Clear Press the EDIT/NO/CLEAR button, Multi Jog Turn the MULTI JOG dial, Fade Dub to display "Fade Dub?" Fade Dub?
2 	Press the MULTI JOG dial Off → On? The current setting is displayed. In this case, "Off→On?" means "Do you want to switch to fade-out mode?"
3 	Press the MULTI JOG dial to confirm To cancel this setting, press the EDIT/NO/CLEAR button. • When set to "On," CD dubbing and track selection CD dubbing will be performed with a fade-out effect. ! Tip • If you press the CD DUBBING button during CD dubbing, the current settings will be displayed. • Use the EDIT/NO/CLEAR buttons on the remote control, the $\backslash/\Delta$ buttons, and the ENTER button on the remote control.

Note

During recording, the audio being recorded is output through the speakers. If the MD recording finishes first, the CD playback audio will be output afterward. This is why the volume suddenly increases after the recording ends with a fade-out.

DLA Link Setting Input is CD and playback is paused

DLA Link is a feature that automatically adjusts the recording level during CD dubbing. For tracks containing many quiet passages, you may need to adjust the volume during playback. To ensure you can enjoy playback at the same volume setting, the unit performs a high-speed peak search before CD dubbing to adjust the recording level.

If you want to copy a CD using a mode such as PCM, which does not compress the audio data at all, and preserve the original volume level, make sure the DLA Link setting is set to "Off" before copying the CD. For audio sources that contain sudden loud sounds interspersed with quiet passages—as is often the case with classical music—it may be difficult to detect peaks, so we recommend setting the DLA Link to "Off" before recording.

1 	Press the EDIT/NO/CLEAR button, to display the "DLA Mode?" DLA Mode?
2 	Press the MULTI JOG dial The current setting is displayed. The default setting is Off → On? "Off". In this case, "Off →On?" asks if you want to set up DLA Link.
3 	Press the MULTI JOG dial to confirm To cancel this setup, press the EDIT/NO/CLEAR button. • When set to "On," DLA Link is active during CD dubbing and track selection When dubbing a CD with track selection, DLA Link will function. DLA Link does not function even when set to "On" during double-speed CD dubbing. • You can also operate these functions using the EDIT/NO/CLEAR button, the $\backslash/\Delta$ buttons, and the ENTER button on the remote control. • The DLA Link setting will revert to the default "Off" when you perform the following actions: → When the unit is put into standby mode → When switching inputs → When a disc is removed

Recording Settings

Adjusting the recording level

Adjust the recording level when it is not appropriate. You can adjust it during sync recording and signal sync recording.

While the source you want to record is playing, press the **REC** button to put the unit in recording standby mode, then perform the following operations.

Adjust the recording level for CD (Digital), CD (Analog),

Tuner (AM/FM), DOCK, TAPE, LINE, and DIGITAL.

- The level adjusted here is saved, and the next recording will be made at the same level.

- When recording a CD, make sure to set the DLA Link to

to "On" beforehand. (Page 47)

1



EDIT/NO
CLEAR

2



MULTI JOG

3



MULTI JOG

4



MULTI JOG

Edit No

Clear

Press the EDIT/NO/CLEAR button

Multi

Jog

and turn the MULTI JOG dial to display "Rec Level?"

REC

Level

Rec Level?

2



MULTI JOG

Press the MULTI JOG dial

REC

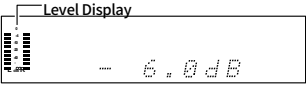
Level

REC

Level

Adjust the recording level (Rec Level)

Level Display



The adjustable range is from -∞ dB to +18.0 dB. Within the range of -12.5 dB to +18.0 dB, adjustments can be made in 0.5 dB increments; from -12.5 dB to -30.0 dB, in 2.5 dB increments; and from -30 dB to -60 dB, in 5.0 dB increments.

- When making analog recordings, adjust the level so that the -4 dB indicator on the level display occasionally lights up when the input level is at its highest.

3



MULTI JOG

Turn the MULTI JOG dial to select REC

REC

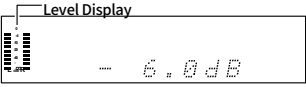
Level

REC

Level

Adjust the recording level (Rec Level)

Level Display



The adjustable range is from -∞ dB to +18.0 dB. Within the range of -12.5 dB to +18.0 dB, adjustments can be made in 0.5 dB increments; from -12.5 dB to -30.0 dB, in 2.5 dB increments; and from -30 dB to -60 dB, in 5.0 dB increments.

- When making analog recordings, adjust the level so that the -4 dB indicator on the level display occasionally lights up when the input level is at its highest.

4



MULTI JOG

Press the MULTI JOG dial

Complete

"Complete" will be displayed, and the adjustment is complete.

! Tip

Press the EDIT/NO/CLEAR button on the remote control, the  buttons, and the ENTER button.

Select digital input recording from CD to MD or analog input recording

When the input is a CD and playback is paused

This is effective during synchronized recording to MD and signal-synchronized recording. When recording a digitally recorded CD-R to an MD, select analog input recording. Make this setting after inserting the disc.

- When recording from a CD, make sure to set the DLA Link

(Page 47)

1



EDIT/NO
CLEAR

2



MULTI JOG

3



MULTI JOG

Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Rec Signal?"

Rec Signal?

! Tip

CD If "DIGITAL" is lit, the current setting is digital input recording. If it is not lit, the setting is analog input recording.

Digital

Lit

2



MULTI JOG

Press the MULTI JOG dial

Digital Analog

Dig → Ana?

The current setting is displayed. In this case, "Dig→Ana?" asks if you want to switch to analog input recording.

3



MULTI JOG

Press the MULTI JOG dial to confirm

To cancel this setting, press the EDIT/NO/CLEAR button.

Note

Pressing the CD DUBBING button will return the setting to digital, so do not press the CD DUBBING button when recording in analog.

• The setting will also return to digital when you remove the CD.

! Tip

You can also use the EDIT/NO/CLEAR button, the  buttons, and the ENTER button on the remote control.

48

FR-N9/X-N9N7 (46-49) (SN29344207)

Black

48

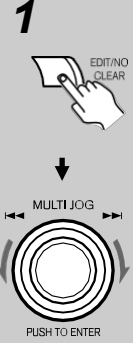
March 10, 2006,
3:52 PM

Assigning track numbers – Switching levelsync

Input is MD and recording is paused

- Level Sync is a function that automatically assigns track numbers based on the rise of the input level. During Synchro Recording or Signal Synchro Recording, track numbers are automatically assigned during recording if Level Sync is turned on. (However, track numbers may not be assigned if the silent interval is too short.)
- When recording digital audio from a CD, track numbers are assigned automatically regardless of whether Level Sync is on or off.
- To assign track numbers at specific points, set Level Sync to **On**, and press the **REC** button at the point where you want to assign a track number during recording. (If you press the button too quickly, a track number may not be assigned.)
- If Level Sync is on, recording will automatically stop if there is no sound in the input signal for 60 seconds or longer.
- When the LEVEL-SYNC indicator is lit, Level Sync is on. (The LEVEL-SYNC indicator turns off when Level Sync is turned off.)
- When recording radio or records, set this to "Off" if too many track numbers are being assigned.

1



EDIT/NO/CLEAR

MULTI JOG

PUSH TO ENTER

2



MULTI JOG

PUSH TO ENTER

3



MULTI JOG

PUSH TO ENTER

Edit No

Clear

Press the EDIT/NO/CLEAR button

Multi Jog

Level Sync?

to display "Level Sync?"

Level Sync?

Press the MULTI JOG dial

On → Off?

"On→Off?" or "Off→On?" is displayed.

Press the MULTI JOG dial

Level Sync Off

When it is off, "LevelSyncOff" is displayed;

Level Sync On

"LevelSyncOn" is displayed when it is on.

To cancel this setting, press the

EDIT/NO/CLEAR button.

Tip

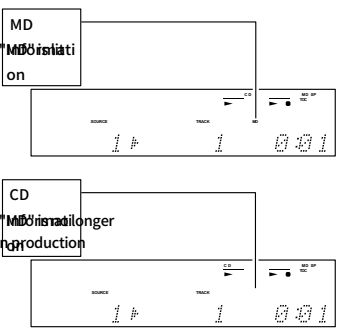
The EDIT/NO/CLEAR button on the remote control,

the Enter button.

Switching the display during recording

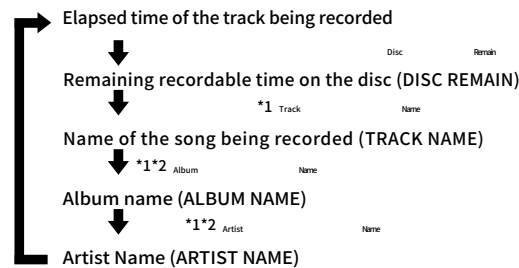
You can switch the display information while recording from a CD to an MD

- Press the **INPUT** button to switch between the CD and MD displays.



- After switching between CD and MD display, pressing the **DISPLAY** button will switch the display as follows.

When MD information is displayed

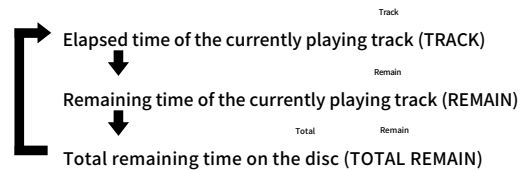


※1 Not displayed if no name is assigned.

※2 Naming MDs and Registered Stations" (page 62)

※2 Displayed only when the disc is in Hi-MD mode.

For CD information



MD Group Function

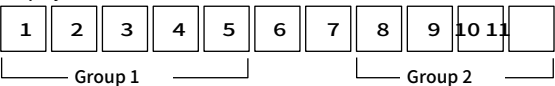
You can organize the tracks on a single MD into groups of your choice. This is especially useful when using discs with a large number of tracks, such as Hi-MD or MDLP.

- Only consecutive tracks can be grouped. (Example: Tracks 1–15)
- You can add songs to a group later.
- You cannot place a single track into multiple groups.
- If you play an MD with groups created on this unit on a device that does not support the group function, the disc name will not be displayed correctly.
- Do not edit an MD with groups on a device that does not support the group function.

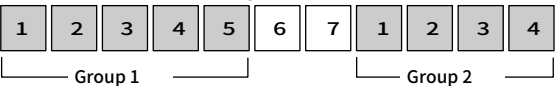
About track numbers

Track numbers are assigned sequentially starting from the first track within a group. For tracks not in a group, the total number of tracks is displayed.

Display of consecutive track numbers



Display track numbers within groups

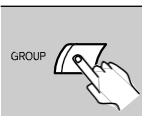


Numbers are assigned sequentially starting from 1 within each group.

Switching the Track Number Display

Method

By default, continuous track numbers are displayed. To switch to displaying track numbers within groups, follow the steps below.



Press and hold the GROUP button for at least 3 seconds

Group Mode On

"Gr. Mode On" will be displayed. This will switch the display to show track numbers within groups.

!Tip

- Use the same method to return to the original continuous track number display.
- You can also use the GROUP button on the remote control.

Select a song within a group  Input is MD and stopped

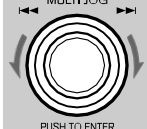
Select on the unit



1 Press the GROUP button

The group number will flash.

2

MULTI JOG 

PUSH TO ENTER

Multi Jog

MULTI JOG Turn the dial to select a group 



In the group Number of tracks in group Total playback time

3

GROUP 

Press the GROUP button twice

The group number will stop flashing.

4

MULTI JOG 

PUSH TO ENTER

Turn the MULTI JOG dial to select a track within the group 

Select with the remote

1

GROUP 

Press the GROUP button

2

Use the $\cdot$ / Δ buttons to select a group 

3

GROUP 

Press the GROUP button twice

The group number will stop flashing.

4

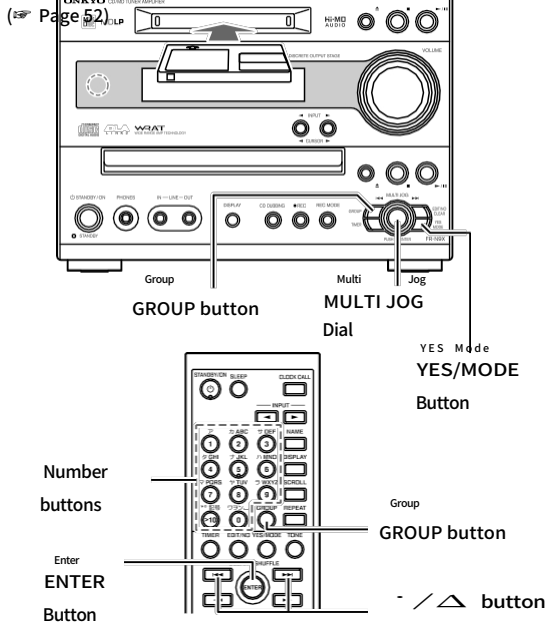
 

Use the $\cdot$ / Δ buttons to select a song within the group 

MD Group Function

Play MD Group

You must create a group on the disc in advance.



MD Group Play

Input is MD and playback is paused

Plays from the selected group to the end.

1 GROUP	Group Press the GROUP button
2 MULTI JOG	MULTI Turn the jog dial to select the group you want to play.
3 MULTI JOG	MULTI Press the JOG dial. Playback starts from the first track in the selected group. ! Tip GROUP button on the remote control, $\cdot/\Delta$ buttons You can also operate the device using the remote control's GROUP button, $\cdot/\Delta$ buttons, and ENTER button or number buttons.

MD1 Group Playback

Input is MD and paused

Only the selected group will be played.

Stop playback before operating. Also, if "MEM" or "RDM" is

press the YES/MODE button repeatedly to turn off the display.

1 GROUP	Press the GROUP button repeatedly to light up "1GR" The group number will flash.
2 MULTI JOG	Turn the MULTI JOG dial to select a group
3 MULTI JOG	Press the MULTI JOG dial Playback will start. When playback ends, MD 1 group playback mode is canceled. ! Tip GROUP button and $\cdot/\Delta$ buttons on the remote control Play, ENTER button, or $\cdot/\Delta$ button on the remote control.

MD Group Skip

You can skip by group during playback.

1 GROUP	Press the GROUP button during playback
2 MULTI JOG	MULTI Turn the jog dial to select a group Playback starts from the first track in the selected group. ! Tip You can also control this using the remote's GROUP button, $\cdot/\Delta$ buttons, and ENTER button or number buttons.

Note

- You cannot operate the unit while MD1 group playback is in progress.
- You cannot operate the unit , operation is not possible.

MD Group Function

Creating/Dissolving an MD Group

Single Group Memory

Random

You cannot edit while 1GR, MEM, or RDM are lit. Please switch to normal playback mode (display off).

Group Set

Input is MD and playback is stopped

Combines multiple tracks that are not in a group into a new group.

1

Multi Jog
MULTI JOG Turn the dial to select the first song to add to the group

2

Edit No Clear
Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "○○Tr G. Set?"

3

Press the MULTI JOG dial

4

Turn the MULTI JOG dial to select the last song to add to the group

5

Press the MULTI JOG dial
Once the group is created and displayed, the screen returns to the normal display.

Press the EDIT/NO/CLEAR button on the remote control,
the / buttons, and the **ENTER** button.

Group In

Input is MD and stopped

Adds a track that is not in a group to an existing group.

1

Turn the MULTI JOG dial to select the tracks to add to the group

2

Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "○○Tr G. In?"

3

Press the MULTI JOG dial

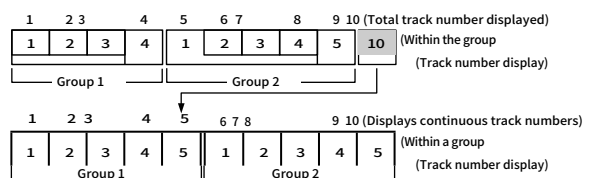
4

Turn the MULTI JOG dial to select which group to add it to

5

Press the MULTI JOG dial
You will be added to the end of the selected group, and after "Complete" appears, and the screen returns to normal.

!Tip
You can also use the EDIT/NO/CLEAR buttons, the / buttons, and the **ENTER** button on the remote control.



MD Group Function

Editing/Deleting MD Groups

There are three basic functions: moving groups to rearrange them, combining two groups into one, and deleting songs within a group.

Introduction to the Edit/Delete Functions

Delete a Group – G.Erase

Deletes all songs contained in the specified group.

Move Group – G.Move

This function moves a group.

Combine Groups – G.Combine

This function combines the current group with the previous one into a single group.

Editing Combinations

Connecting two separate groups

(G.Move + G.Combine)

G.Combine connects the selected group with the previous group.

. When connecting two separate groups, use the G.Move

function after moving the groups using the G.Move

Notes on Editing/Deleting

- Information regarding editing and deletion is erased when the MD is removed or the unit is powered off.

* Track

Do not unplug the power cord or shake the unit while the TOC indicator is lit or flashing.

- You cannot edit while MEM, RDM, or 1GR is lit. Please switch to normal playback mode.

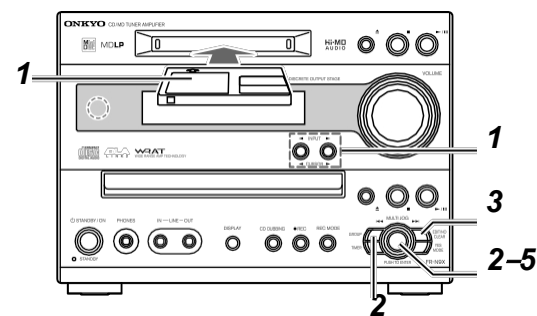
All songs in the selected group

Delete – G.Erase

Input is MD and stopped

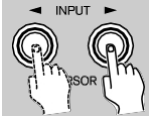
Stop

To cancel during the process, press the **■** button on the MD.



1

Insert the MD and set the input to MD



2

GROUP

Press the **GROUP** button, then press the **MULTI JOG** dial.

Turn the **JOG** dial to select the group you want to turn off.

GROUP

In the group
Number of songs in the group
Total playback time

The selected group will flash.

3

EDIT/NO/CLEAR

Press the **EDIT/NO/CLEAR** button, turn the **MULTI JOG** dial, and to display "Erase?"

Erase?

GROUP

andby mode

4

MULTI JOG

Press the **MULTI JOG** dial

Erase

"Erase??" (Are you sure you want to erase?) will be displayed for confirmation.

5

MULTI JOG

Press the **MULTI JOG** dial

The songs in the group will be deleted, and "Complete" appears, and the unit returns to normal. The group will be reassigned.

Deleting a group

1 2 3 4

1 3 4

Reassigning Group Numbers

1 2 3

Complete

The **GROUP** button on the remote control, and the **+/Δ** buttons

, the **EDIT/NO/CLEAR** buttons, and the **ENTER** button.

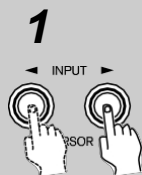
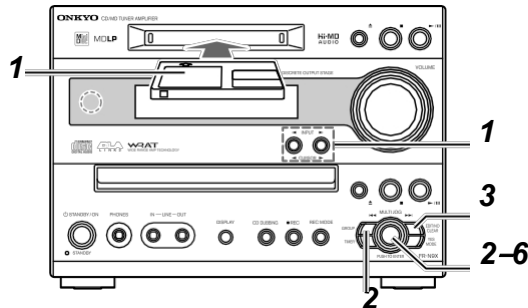
MD Group Function

Move Group – G.Move

Input is paused on MD

Stop

To cancel during playback, press the  button on the MD.



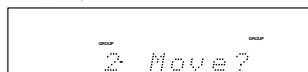
Insert the MD and set the input to MD



Press the GROUP button, then MULTI
Turn the JOG dial to select the group you want to move to



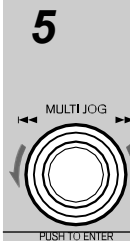
Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Move?"



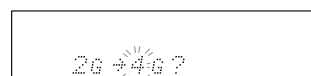
Press the MULTI JOG dial



The group number being moved and the destination group number are displayed.



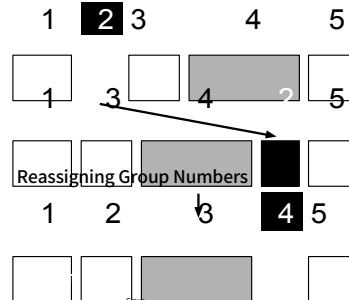
If necessary, turn the MULTI JOG dial to change the destination group number



Press the MULTI JOG dial

The specified track is moved, and after "Complete" is displayed, the screen returns to the original display. The group numbers are reassigned.

Moving a group



The GROUP button on the remote control, and the $\pm/\Delta$ buttons, the EDIT/NO/CLEAR buttons, and the ENTER button.

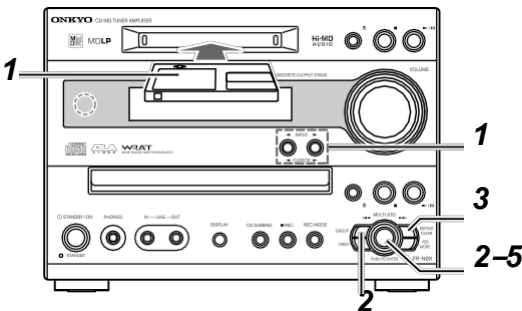
MD Group Function

Group Combine

Connecting Groups – G.Combine

If input is paused on MD

- If the previous group has a group name, that group loop name will become the group name after combining.
- To cancel during the process, press the **■** button on the MD.



1

INPUT

GROUP

MULTI JOG

PUSH TO ENTER

Insert the MD and set the input to MD

2

GROUP

MULTI JOG

PUSH TO ENTER

Press the GROUP button, then MULTI JOG

Turn the JOG dial to select the group you want to connect to

The selected group will be linked to the previous group. Therefore, you cannot select the first group.

3

EDIT/NO/CLEAR

MULTI JOG

PUSH TO ENTER

Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Combine?"

Display "Combine?"

4

MULTI JOG

PUSH TO ENTER

Press the MULTI JOG dial

The number of the selected group and the number of the group immediately preceding it are displayed.

20 + 30 ?

5

MULTI JOG

PUSH TO ENTER

Press the MULTI JOG dial

The groups are linked, "Complete" is displayed, and the screen returns to the previous display. The group numbers are reassigned.

Group connection

1 4 5

1 4 5

Reassigning Group Numbers

1 3 4

The ED11/NO/CLEAR buttons on the remote control, **Enter** buttons, and the ENTER button.

Edit/Erase MD

There are five basic functions: moving tracks to reorder them, splitting one track into two, combining two tracks into one, deleting tracks, and erasing all recordings on the MD.

Introduction to the Edit/Delete Functions

Erase All Tracks – All Erase

Deletes all tracks and titles recorded on the MD.

(The disc will be blank.)

Delete a Song - Erase

This feature allows you to select and delete a single song.

Move

This function allows you to select and move a single song.

Divide

This function splits one track into two.

Combine

This feature allows you to select a track and merge it with the track immediately preceding it into a single track.

Combinations of editing and erasing functions

Deleting part of a song

(Divide + Erase)

Use the Divide function (or repeat this function) to split the section you want to delete, then use the Erase function to delete it.

Connecting two separate songs

(Move + Combine)

Combine connects the selected track to the track immediately preceding it. To connect two tracks that are far apart, use the Move function to reposition the tracks first, then use the Combine function.

Important Notes on Editing and

- Information regarding editing and deletion is lost when the MD is removed or the

This information is written to the MD's table of contents (TOC) during certain operations. Do not unplug the power cord or shake the unit while the TOC indicator is lit or flashing.

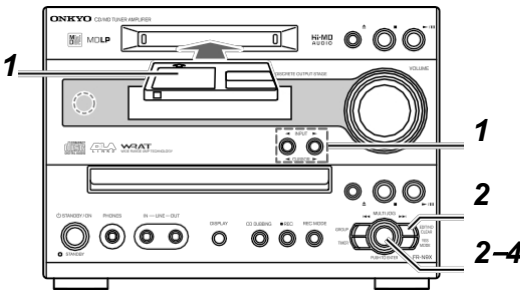
- You cannot edit when MEM, RDM, or 1GR is lit.
 - Please switch to normal playback mode (display off).
- Editing a grouped MD may change the group information.

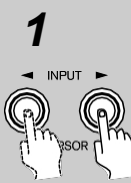
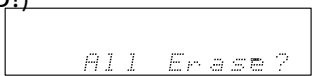
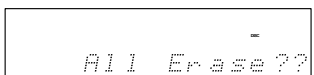
Delete All Tracks – All Erase

Input is from an MD and is currently paused

Stop

To cancel during playback, press the  button on the MD.



	1 Insert an MD and set the input to MD
	2 Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "All Erase?" (Do you want to erase all recordings on the MD?) 
	3 Press the MULTI JOG dial  A confirmation message, "All Erase??", will appear.
	4 Press the MULTI JOG dial "Complete" is displayed, and "MD Blanc Disc" is displayed. Press the EDIT/NO/CLEAR button on the remote control,  /  buttons, and the ENTER button.

Editing/Erasing an MD

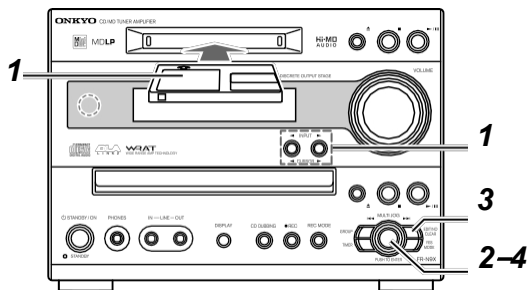
Track Erase

Selecting and Deleting a Single Track – Tr Erase

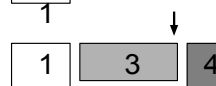
Input is stopped or paused on the MD

Stop

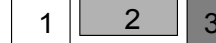
To cancel playback, press the  button on the MD.



Deleting a



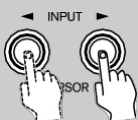
Renumbering tracks



! Hint

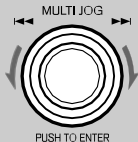
Use the  /  buttons on the remote, or press EDIT/NO/CLEAR button, and the ENTER button.

1



Insert the MD and set the input to MD

2



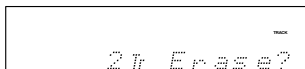
Turn the MULTI JOG dial to select the track you want to skip



3



Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Tr Erase?"



4



Press the MULTI JOG dial

"Complete" appears, and the display returns to normal.
The track numbers will be renumbered.

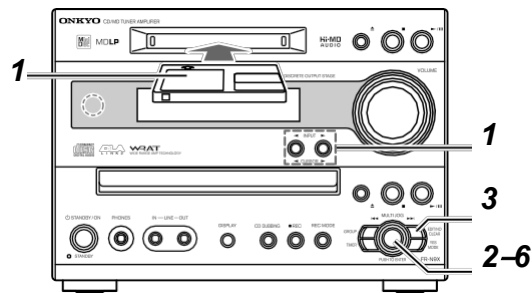
Editing/Deleting an MD

Track Move

Move Track – Tr Move

Input is MD and stopped/paused

To cancel the process, press the  button on the MD.

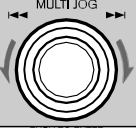


1

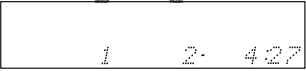


Insert an MD and set the input to MD

2



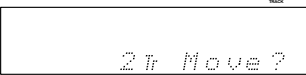
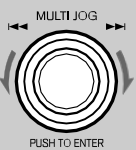
Turn the MULTI JOG dial to select the track you want to play



3



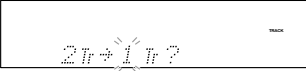
Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display “Tr Move?”



4



Press the MULTI JOG dial



The track number you are moving from and the destination track number are displayed.

5



If necessary, turn the MULTI JOG dial to change the destination track number

6



Press the MULTI JOG dial

Complete

After “Complete” is displayed, the screen returns to the normal display.

The track numbers will be renumbered.

- Songs in a group can only be moved within that group. If you want to move a song to another group, first use the Group Out function to remove it from the group, then move it to the new group.
- Songs that are not in a group can be moved into a group.
- Moving a song will reorder the track list.

Moving Songs

1	3	4	5
1	3	4	5

Reassigning Song Numbers

1	2	3	4	5
1	2	3	4	5

Use the  button on the remote, or press EDIT/NO/CLEAR button, and the ENTER button.

! Hint

When tracks are displayed by continuous track number, you can move them across groups; however, when tracks are displayed by group, you can only move them within the group. For information on switching the display, see page 50.

MDs with groups

1	2	3	4	5	6	7	8	9	10	11
1	2	3	4	5	6	7	8	9	10	11
Group 1				Group 2						

This becomes Track 4 in Group 1, and the original Track 4 becomes Track 5.

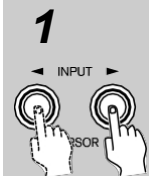
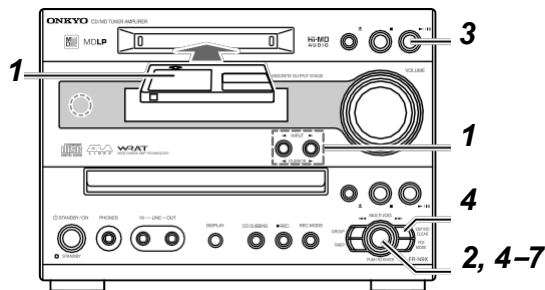
Editing/Deleting an MD

Track Divide

Split Song – Track Divide

When playback is in progress or paused on the MD

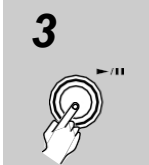
- (page 62), only the previous track
- To stop playback, press the  button on the MD.



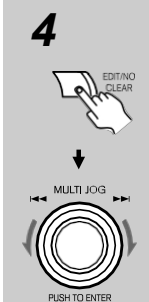
Insert the MD and set the input to MD



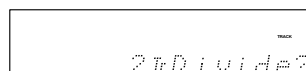
Turn the MULTI JOG dial to select the track you want to split, then press the MULTI JOG dial. The track you selected will play.



Press the MD's  button at the point where you want to split. This will pause the track. You can rewind or fast-forward using the  buttons on the remote control.

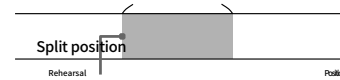


Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Tr Divide?"



Press the MULTI JOG dial

Rehearsal Playback (a few seconds)

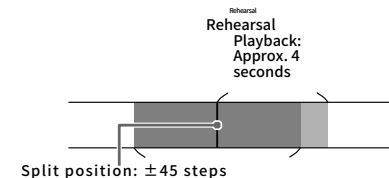


"Rehearsal" (playback in progress) and "Position OK?" (Is it OK to split here?) are displayed alternately, and the section is played back repeatedly for a few seconds starting from the point where the song is to be split.

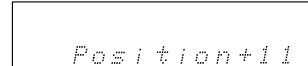


Turn the MULTI JOG dial while listening to the audio to fine-tune the split position

You can adjust the position within the track between -45 and +45 ($\pm$ approx. 3 seconds when REC MODE is set to SP).



The split position can be fine-tuned forward or backward.

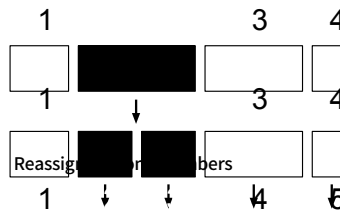


Press the MULTI JOG dial

After "Complete" is displayed, playback of the split tracks begins.

The track numbers will be renumbered.

Splitting a track



The number buttons on the remote, EDIT/NO/CLEAR button,  buttons, and ENTER button.

Edit/Delete MD

TrackCombine

Joining Tracks – Tr Combine

If the input is MD and is stopped/playing/on pause

- If the previous track has a title, that title will be used for the track name
- To stop playback, press the button on the MD.

1

1

3

2-5

1

INPUT

1

1

Insert the MD and set the input to MD

2

MULTI JOG

1

1

Turn the MULTI JOG dial to select the track to play

GROUP

TRACK

1

?

The selected track will be linked to the previous track. Therefore, you cannot select the first track 1st.

3

EDIT/NO/CLEAR

1

1

Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Tr Combin?"

EDIT

NO

CLEAR

Track Combine

2

Tr Combin?

4

MULTI JOG

1

1

Press the MULTI JOG dial

1

7

+

2

7

?

The number of the selected track and the track number immediately preceding it are displayed.

5

MULTI JOG

1

1

Press the MULTI JOG dial

"Complete" is displayed, and the screen returns to the normal display.

The track numbers will be renumbered.

Song connection

1

4

5

1

4

5

Reassign numbers

1

3

4

Content

Use the / buttons on the remote, or press EDIT/NO/CLEAR button, and the ENTER button.

Note

- TrCombine allows you to link tracks across groups when continuous track numbers are displayed, but when track numbers within a group are displayed, you can only link tracks within that group.
- If you try to link tracks across groups, the message "Impossible" will appear. See page 50 for information on switching between number display modes.
- Combine is only available for songs recorded in the same recording mode.

Example: You cannot combine a track recorded in Mono mode with a track recorded in LP2 mode. Also, you cannot combine a track recorded digitally with a track recorded analog.
- As shown in the table below, if a track is too short, it may not be possible to combine tracks.

MD mode	Track length
SP Mode LP2/Mono Mode	12 seconds or less
LP4 mode	24 seconds or less
	48 seconds or less
Hi-MD Mode	
PCM mode Hi-SP mode	9 seconds or less
Hi-LP mode	8 seconds or less
	32 seconds or less

FR-N9/X-N9N7 (57-61) (SN29344207)

Black

61

March 10, 2006,
3:55 PM

61

MD, naming registered radio stations

You can assign names to MD discs (such as disc names or song titles) and to registered FM or AM stations (such as channel names) using letters or katakana. For Hi-MD discs, you can assign artist names and album names.

Naming registered radio stations

Select an FM or AM channel, then follow the instructions in the right column or on page 64 to "Enter Text." You can assign a name of up to 8 characters.

Naming an MD Disc

- Insert the MD and set the input to MD
- Follow the instructions in the section on the right or on page 64 to "Enter Text"

Assigning song names to the MD

- Insert the MD and set the input to MD
- Turn the MULTI JOG dial to select the track you want to name
- Follow the instructions in the section on the right or on page 64 to "Enter Text"

Assign an album name to the MD (Hi-MD only)

- Insert the MD and set the input to MD
- Turn the MULTI JOG dial to select the track you want to name
- Press the DISPLAY button to display "ALBUM NAME"
- Follow the instructions in the right column or on page 64 to "Enter text"

Assign an artist name to the MD (Hi-MD only)

- Insert the MD and set the input to MD
- Turn the MULTI JOG dial to select the track you want to name
- Press the DISPLAY button to display "ARTIST NAME"
- Follow the instructions in the right column or on page 64 to "Enter text"

Assign a group name to the MD (if a group exists)

- Insert the MD and set the input to MD.
- Press the GROUP button, then turn the MULTI JOG dial to select the group you want to name.
- Follow the instructions in the section on the right or on page 64 to "Enter Text"

Note

- You cannot assign a name to MDs with a hole to prevent accidental erasure or to MDs intended for playback only. (Page 76)
- When naming a disc, make sure no tracks are selected. If a track is selected, press the button on the MD.
- You can name tracks even while recording or playing back. If you skip to the next track, you may not be able to enter text correctly. You cannot assign group names while recording.
- To name a track on an MD during recording, switch the input to the MD before entering text.

- If the MEM, RDM, or 1GR indicators are lit, you cannot assign a disk name.
- Information such as the name is displayed when the MD is ejected or the player is in standby mode, when the MD is ejected, when it enters standby mode, or when recording stops, information such as the name is written to the MD's table of contents (TOC). Do not unplug the power cord or shake the unit while the TOC indicator is lit or flashing.

Entering text using the unit's control buttons

1



PUSH TO ENTER

2



PUSH TO ENTER

Edit No Clear

Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Name In?"

Depending on what you enter, the display will appear as follows.

- When entering a disk name:
"Disc Name In?"
- When entering a track name, artist name, or album name:
"X Track Name In?"
- When entering a group name:
"X Name In?"

Name In?

Press the MULTI JOG dial

This enters text input mode.

MD, assign a name to a registered station

3

DISPLAY

Display

Press the DISPLAY button to select the type of characters to enter

Each press cycles through the following options.

A (Uppercase letters)

a (lowercase letters)

1 (Numbers)

A (Katakana)

♪ (Short Name) *1

*1 This will not be displayed when naming a broadcast station.

4

MULTI JOG

PUSH TO ENTER

MULTI JOG

YES/MODE

5

Yes Mode

When you have finished entering text, press the YES/MODE button

"Complete" is displayed, and text entry is finished. If you stop entering the name midway, press and hold the EDIT/NO/CLEAR button for at least 2 seconds.

Available characters

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6
7 8 9
_ @ ` < > # \$ % & * = ; : + - / () ? ! " ' " . (space) # (insert)
A I U E O K a K i K u K e K o S a S h i S u S e S o T a C h i T s u e T e T o N a N i N u
N e N o H a H i F u H e H o M a M i M u M e M o Y a Y u Y o R a R i R u R e R o W a O
N
A I U E O K a K i K u K e K o S a S h i S u S e S o T a C h i T s u T e T o N a N i N u N e N o H a H i F u H e H o M a
M i M u M e M o Y a Y u Y o R a R i R u R e R o W a O N

Displayed short name
(Not displayed when naming a station.)

Turn the MULTI JOG dial to select.

Ballad	Pop	African	Anthology	Heavy
BALLAD	POPS	African	Anthology	Heavy
BLUES	REGGAE	American	Best of	Hit Songs
BLUES	REGGAE	American	Best of [with "of" followed by]	Hit Songs
CLASSIC ROCK	Asian	is blank (/)	Omnibus	
DANCE	Soul	fits one character.]	Selection	
DANCE	SOUL	Collection	Special	
FUSION	Techno	Collection	Special	
FUSION	TECHNO	Euro	Super	
JAZZ	VOCAL	German	Super	
JAZZ	VOCAL	German	Super	
LIVE	Japanese	Happy	(blank)	
LIVE	Japanese	Happy	(blank)	

Copy the name assigned to the MD

This is useful for assigning the same name—such as an artist or album name—to multiple tracks. After assigning an artist or album name to a track, you can apply the same name to other tracks. You can copy the disc name, track name, artist name, album name, and group name; the last name entered for each will be copied. This section explains how to copy the artist name.

- Assigning an artist name to a track
- Select the tracks you want to assign the same artist name to, and press the DISPLAY button

button to display "ARTIST NAME"

- Press the EDIT/NO/CLEAR button and turn the MULTI JOG dial to display "Name Copy?"
- Press the MULTI JOG dial. The same artist name will be assigned.

! Tip

- In step ②, if you display the disc name, album name, song name, or group name, those names will be copied.
- Use the remote control's DISPLAY button, EDIT/NO/CLEAR buttons, and the ENTER button.

Entering characters with the remote control

1

NAME



↓

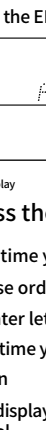


(For MD)

Refer to page 26 to display the item you want to name.
You can select a track using the $\cdot/\Delta$ buttons on the remote control.

Press the NAME button

"Name In?" will be displayed, so Press the ENTER button.



1

NAME



(For radio stations)
Press the NAME button



2

DISPLAY



ア	カ	サ
1	2	3
タ	チ	ハ
4	5	6
マ	ヤ	ラ
7	8	9
ワ	ウ	エ
0	10	

ABC	DEF
2	3
GHI	JKL
4	5
MNO	PQR
6	7
STU	VWX
8	9
YZ	
0	

↓



Press the DISPLAY button to select the type of characters to enter

Each time you press the button, the character type changes. Press the SCROLL button to cycle through the options in reverse order.

To enter letters
Each time you press a number button, the displayed character changes to the one listed. For example, Press the button 2, the display cycles through A→B→C→A, so please select the desired character and press the ENTER button on the remote control.

To enter numbers
Press the number buttons to display the corresponding numbers.

To enter katakana
Each time you press a number button, the row of characters displayed above the button changes. For example, each time you press the "1" button, the characters displayed will cycle through "A→I→U→E→O→A→I→U→E→O." Please select the desired character and press the ENTER button on the remote control.

To enter a simple name (This option is not displayed when naming a broadcast station.)
Each time you press a number button, the simple name displayed—with the letter above the button as its initial—will change. For example, Each time you press the button, the display cycles through DANCE → Euro → Favorite → FUSION, so please select the desired short name and press the ENTER button on the remote control.

To enter symbols
The symbols displayed on the buttons change with each press. (The buttons display the symbols ./*-;!&'() respectively, and the button enters a space.) Display the desired number or symbol and press the ENTER button on the remote control.

You can also select a character by pressing the $\cdot$ or Δ button on the remote control, then press the ENTER button to enter the character.

Note
Not all symbols can be entered using the remote control's number buttons.

To enter " " when inserting text or other symbols, press the $\cdot$ or Δ button on the remote control to select them.

3

NAME



Press the NAME button to finish entering

MD, naming registered stations

Correcting/Deleting

Characters

- If you are not in text input mode, follow steps 1 and 2 in "Entering Text" (page 62).
- Press the *CURSOR*/ $\leftarrow$ button on the unit to make the character you want to correct or delete flash
 - To correct a character, enter the correct character following steps 3 and 4 in "Entering Characters" (page 63).
 - To delete, press the *EDIT/NO/CLEAR* button or the *CLEAR* button on the remote control

Note

- To continue entering text, follow **steps 3 and 4** on page 63; to finish, follow step 5.
- If you press and hold the *EDIT/NO/CLEAR* button for 2 seconds or longer, the display will return to its original state without deleting anything.

! Tip

You can also use the *NAME* button, π/π^* button, and number buttons on the remote control.

Inserting characters

- If you are not in text input mode, follow steps 1 and 2 in "Entering Text" (page 62).
- Press the *CURSOR*/ $\leftarrow$ button on the unit to make the character immediately preceding the insertion point blink



- Turn the *MULTI JOG* dial to the left to display π , then press the dial



- Enter the characters to be inserted following steps 3 and 4 in "Entering Characters."



To continue inserting characters, follow steps 3 and 4 on page 63; to finish, follow step 5.

! Tip

You can also use the *NAME* button, π/π^* button, and number buttons on the remote control.

Delete the name assigned to a station

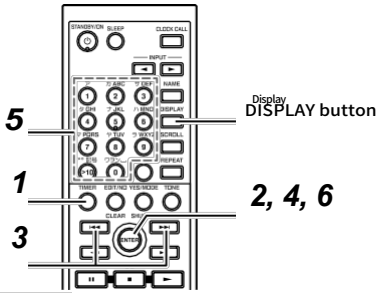
- Set the input to AM or FM
 - Turn the *MULTI JOG* dial to select the station you want to clear
 - Press the *EDIT/NO/CLEAR* button, and turn the *MULTI JOG* dial to display "Name Erase?"
 - Press the *MULTI JOG* dial
- "Complete" will appear and the name will be erased.

! Tip

You can also operate the unit using the *FM/AM*, $\cdot/\Delta$, *EDIT/NO/CLEAR*, and *ENTER* buttons on the remote control.

Setting the Day of the Week and Current Time

You can choose between 12-hour (am/pm) and 24-hour display formats according to your preference. (This manual explains how to set the 24-hour display.)

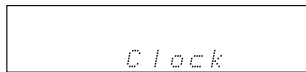


1

TIMER



Timer
Press the **TIMER** button repeatedly to display "Clock".
If the clock is already running, pressing the **TIMER** button will display "Timer 1," so press the **TIMER** button repeatedly to display "Clock".



2

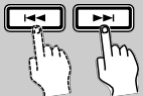


Enter
Press the **ENTER** button



Enter the day of the week.

3



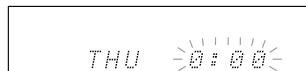
Press the **←/Δ** button to select today's day of the week

SUN	MON	TUE	WED	THU	FRI	SAT
Sun	Mon	Tue	Wed	Thu	Fri	Sat

4



Press the **ENTER** button to confirm the day of the week

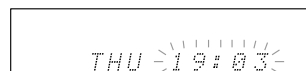


Proceed to time entry.

5



Press the number buttons to set the time
Use the number buttons to enter the 4-digit time (hours and minutes) consecutively.
24-hour format

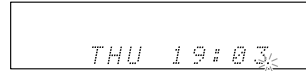


- In 12-hour (am/pm) mode, press the **>10** button to toggle between am and pm.
- In 24-hour mode, pressing the **>10** button advances the time by 12 hours.
- You can also adjust the time using the **←/Δ** buttons.

6



Press the **ENTER** button when the hourly chime sounds



The clock will start, and the seconds hand will begin to flash.

! Tip

You can also set this using the **TIMER** button or the **MULTI JOG** dial on the unit.

To cancel the clock setting

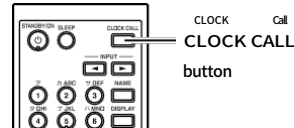
Press the **EDIT/NO/CLEAR** button.

To display the day of the week and time

Press the **CLOCK CALL** button on the remote control.

Press the **CLOCK CALL** button again or switch the display to turn off the time display.

In standby mode, the display will remain on for approximately 8 seconds before turning off.



To switch between 12-hour and 24-hour formats

Press the **DISPLAY** button while the time is displayed.

To switch between displaying the time in STANDBY mode and not displaying it

While the power is on, press the **STANDBY/ON** button on the unit for at least 2 seconds.

Note

Setting the time display to "On" increases standby power consumption compared to when it is set to "Off".

Using the Timer Function

There are Sleep, Once, and Every timers.

About Timer Scheduling

Selecting a timer number

You can set up to 4 timers.

Timer Types

- The **Play** timer starts the selected device will start playback.
- The **Rec** (Recording) timer starts recording from the selected device at the set time.
- **Timer Rec** records to the unit's MD or to an Onkyo cassette deck equipped with a "RI" terminal connected to this unit. Please set the input display correctly.

Playback device settings

You can select Onkyo devices equipped with a "RI" terminal, such as AM, FM, CD, MD, or an Onkyo cassette deck connected to this unit. (You must set the display name correctly. [Page 73](#))

Timer Rec (recording) is available for **FM**, **AM**, or **DOCK/CDR** (DOCK on the FR-N7X), **TAPE**, **LINE**, or **DIGITAL** to record.

Day of the week setting

The timer can be set to "Once" (operates only once) or "Every" (operates every week on the set day).

"Every" timers that run on specific days and times each week.

Additionally, with the Every Timer, you can freely set consecutive days of the week, such as "Everyday," "Every Monday through Friday," or "Every Saturday and Sunday."

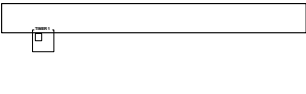
Example)

Timer 1	As a morning alarm Timer Play—Every—Everyday Sun—7:00-7:30
Timer 2	Record weekly radio broadcasts Timer Rec (Recording)—Every—MON (Monday) ~SAT (Saturday)—3:10 PM-3:30 PM
Timer 3	Record the radio broadcast only this Sunday Timer Rec (Record)—Once—SUN (Sunday)—10:00-12:00

Note

- Pressing the **TIMER** button cancels the currently active timer, and the power will not switch to standby even when the timer-off time is reached.
- You cannot set a timer if the current time is not set. Be sure to set the correct time.
- When setting a timer for a device connected to this unit, ensure that it is securely connected. If the connection is incomplete, timer playback or timer recording recording will not be possible.
- During timer recording, the **MUTING** function is activated and the audio volume is reduced to a very low level. To listen to the audio during timer recording, press the **MUTING** button on the remote control.

About the Timer Display



If even one timer is set, the **TIMER** indicator will light up. If a number is lit, it means a timer is set. A number with a lit square indicates that a Rec timer is set.

If timer reservations overlap on the same day

- The timer with the earlier start time takes priority.
- If the start times are the same, the timer with the lower number takes priority.

Timer 1	9:00 – 10:00
Timer 2	8:00 AM – 10:00 AM
	Priority (the timer with the earlier start time)
Timer 3	12:00 – 13:00
	Priority (based on earlier timer number)
Timer 4	12:00 – 12:30
	Sleep

About the Sleep Timer

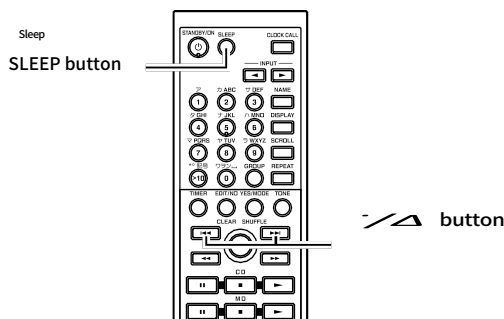
The unit automatically enters standby mode when the set time is reached.

Using the Timer Function

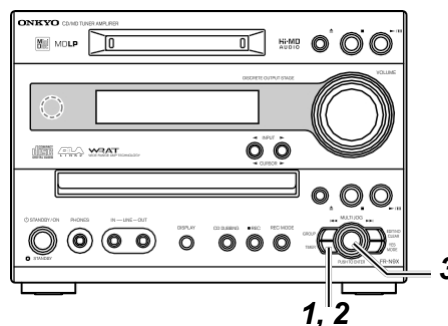
Sleep

Using the Sleep Timer

Operating with the Remote Control



Operating the unit



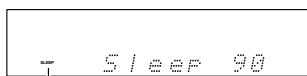
SLEEP



Sleep

Press the SLEEP button

The SLEEP indicator lights up, and "Sleep 90" appears on the display, setting the power to turn off after 90 minutes. Each time you press the button, the time is reduced in 10-minute increments.



Lit

To set the time in 1-minute increments, press the $\cdot/\Delta$ button. You can set a time between 1 and 99 minutes. The set time will be displayed for about 8 seconds, then the display will return to normal.

To check the remaining time

Pressing the SLEEP button displays the remaining time until the power turns off. However, if you press the SLEEP button again while the remaining time is 10 minutes or less, the SLEEP timer will be canceled.

To cancel the sleep timer

Sleep Off

Press the SLEEP button repeatedly until "Sleep Off" appears.

!Tip

If the set sleep timer time is reached while "CD Ripping" is in progress, the unit will enter standby mode after "CD Ripping" is complete. You can use this feature to start CD dubbing before going to bed or before leaving the house.

1

TIMER



Press the

Press the TIMER button for at least 1 second

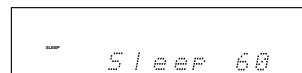
"Sleep 90" will appear, and the device will be set to turn off after 90 minutes.

2

TIMER



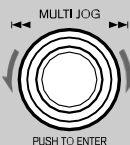
Press the TIMER button



Each time you press the button, the time decreases by 10 minutes.

90→80→.....→10→off

3



When you want to set the time in 1-minute increments

Turn the MULTI JOG dial



Turning it to the right increases the time by one minute at a time, up to 99 minutes. Turning it to the left decreases the time by one minute at a time, down to 1 minute.

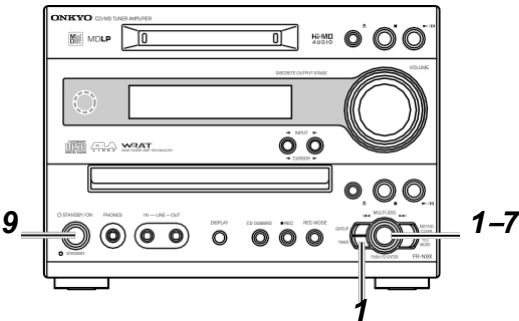
Using the Timer Function

Setting a Timer

To set a timer for FM or AM, please register the radio station in advance. (☞ Pages 32, 33)

Note

You cannot set a timer if the current time is not set. If you do not perform any operation for 60 seconds while setting the time, the display will return to normal.



	<Selecting a Timer Number> Timer 1 <Selecting a Timer Type> Or Play <Selecting a Playback Device> FM	Press the TIMER button repeatedly to set the number of the timer Select one of Timer 1 through Timer 4, then press the MULTI JOG dial. If only "Clock" is displayed, the day of the week and time have not been set, so please set them. (☞ Page 66) Turn the MULTI JOG dial to set the timer. Play (Play) or Timer Rec (Record) Once the timer type is displayed, press the MULTI JOG dial. Timer Rec records to the unit's MD or a tape. The MUTING function is active during recording. Turn the MULTI JOG dial to select the playback device to play Once the playback device is displayed, press the MULTI JOG dial Tape Rec (Recording), the display shows FM, AM, DOCK, TAPE, LINE, or DIGITAL. If you select FM or AM Turn the MULTI JOG dial to select a preset channel When the preset channel appears, press the MULTI JOG dial.

Using the timer

function

REC

4

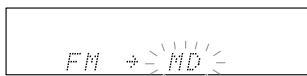


PUSH TO ENTER



PUSH TO ENTER

<Select Recording Device> (Only when Timer Rec is set)



Turn the ^{Multi}MULTI JOG dial to select the device to record from.

You can choose between ^{Jog}MD or ^{Tape}TAPE.

- If you select TAPE, you cannot select it if the input name has been changed to something else.

When the recording device is displayed, press the MULTI JOG dial.

5

of the Week>



PUSH TO ENTER



PUSH TO ENTER

<Setting the Day

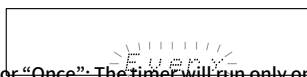
Turn the ^{Once}MULTI JOG dial to select "Once" or "Every".

"Every"

If you select "Once," the timer will run only once; if you select "Every," it will run every week.

After selecting, press the MULTI JOG dial.

For "Once": The timer will run only once on the set day.



TURN THE MULTI JOG DIAL TO SELECT A DAY OF THE WEEK. ONCE THE DAY IS DISPLAYED, PRESS THE MULTI JOG DIAL. THE DAYS OF THE WEEK ARE DISPLAYED AS FOLLOWS:

MON (Monday)	FRI (Friday)	TUE
(Tuesday)	SAT (Saturday)	WED
(Wednesday)	SUN (Sunday)	THU
(Thursday)		

For "Every": The device will operate every week on the selected day.

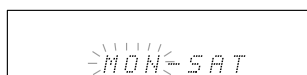
Turn the MULTI JOG dial to select a day of the week

Once the day of the week is displayed, press the MULTI JOG dial.

MON ⇄ TUE ⇄ WED ⇄ THU ⇄	FRI
(Mon) (Tue) (Wed) (Thu) (Fri)	(Sat)
SUN ⇄ Days Set ⇄ Everyday ⇄ SAT	
(Sun) Set the days of the week as desired. (Sat)	

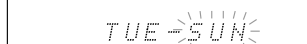
Days Set

If you select "Days Set": Set the range of consecutive days as desired.



In this case, the timer will activate every week from Tuesday to Sunday at the set time.

You can only set consecutive days of the week. You cannot set non-consecutive days, such as Monday and Wednesday.



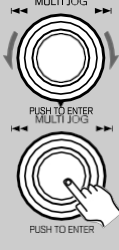
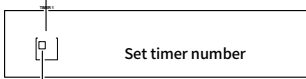
- ① Turn the MULTI JOG dial to select the first day of the week.

Once the day is displayed, press the MULTI JOG dial.

- 2 Turn the MULTI JOG dial to select the last day of the week.

Once the day is displayed, press the MULTI JOG dial.

Using the Timer Function

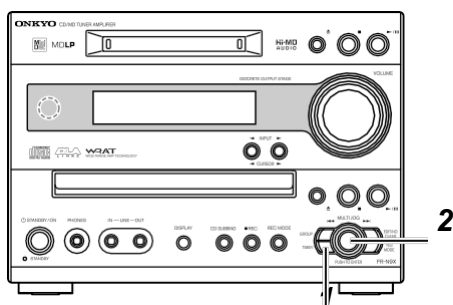
6 	<Setting the Start Time> 	MultiJog Turn the MULTI JOG dial to set the timer start time Once the time is displayed, press the MULTI JOG dial. You can also set the time using the number buttons on the remote control. To set 7:29, press 7, 2, and 9. - When the am/pm display is active, press the >10 button to toggle between am and pm. - When you set the start time (On), the end time (Off) will automatically be set to one hour later. - When using the timer to record to the unit's MD, recording may not start for a few seconds after the start time, so please set the start time about one minute earlier.
7 	<Setting the End Time>  Timer setting display 	Turn the MULTI JOG dial to set the timer end time Once the time is displayed, press the MULTI JOG dial.
8	Play <Volume Setting> (Only when the timer is set to Play)	TURN THE MULTI JOG DIAL TO ADJUST THE VOLUME. THE DEFAULT SETTING IS 10. ONCE THE VOLUME IS DISPLAYED, PRESS THE MULTI JOG DIAL. To play back at the same volume you normally use, turn the MULTI JOG dial to the left to set it to "Timer Vol. off." This allows playback at the same volume as before entering standby mode.
9 	<Putting into Standby> Note - Even if you set Memory, Random, 1 GR Mode, etc., for MD or CD timer playback, normal playback will occur when the timer is activated. - If the power is not in standby mode, the timer will not operate even when the scheduled time is reached. Be sure to set the power to standby mode before operating the timer. - If you set the sleep timer or press the TIMER button while the timer is running, the active timer will be canceled. - During timer recording (Rec), the MUTING function is active and the audio volume is very low. To hear the audio, press the MUTING button on the remote control. You can also operate the device using the TIMER, +/-, and ENTER buttons on the remote control. 	Putting the Power into Standby StandbyOn Press the STANDBY/ON button to put the power into standby mode. Group Timer Timer Enter

To reset the timer... Press the TIMER button and set it from the beginning.

Using the Timer Function

Toggle the timer between On (Run) and Off (Cancel)

- Use this when you want to cancel a scheduled timer or run the timer again.
- You cannot schedule a timer if the current time is not set.



1



Timer
Press the TIMER button repeatedly to display the timer number you want to set

Timer 1

If the timer number is lit, it is set to ON (active).

2



Multi Jog
Turn the MULTI JOG dial to
Switch between On (Execute) and Off (Cancel)

Timer On

or

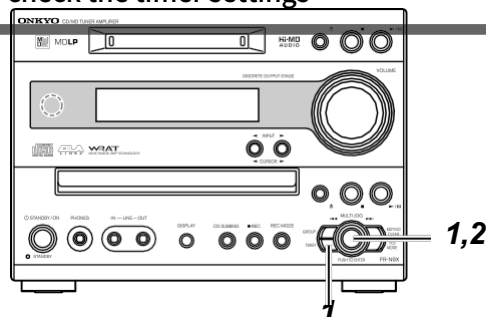
Timer Off

The display will return to its original state approximately 2 seconds after switching.

! Tip

You can also operate the timer using the TIMER button or the $\cdot/\Delta$ buttons on the remote control.

To check the timer settings



1



Press the TIMER button repeatedly to display the number of the timer you want to check, then press the MULTI JOG dial

Timer 1

2



Press the MULTI JOG dial repeatedly to check the following settings

Each press cycles through the settings.

Checking You can also turn the MULTI JOG dial to change the settings.

TIMER When the setting is Off, within the settings, the timer setting will automatically switch to On.

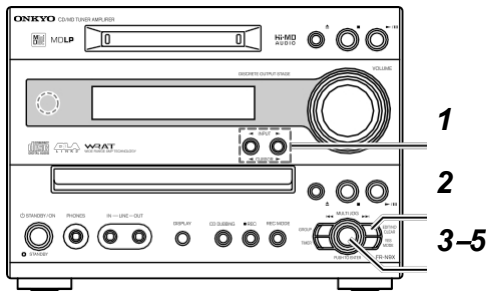
After confirming all items, the display will return to normal if there are no changes to the settings.

Press the TIMER button to return to the normal display.

You can also operate the device using the remote control's TIMER, ENTER, $\cdot/\Delta$ buttons, and the EDIT/NO/CLEAR buttons on the remote control.

Changing the display name of a connected device

When connecting an Onkyo product equipped with a terminal, you must switch the input display to ensure that system operations such as Direct Change function correctly. You can also change the input display name to match the connected external device.



1

Press the **INPUT** button (repeatedly) to select the external input whose name you want to change.

You can choose from **DOCK**, **TAPE**, and **DIGITAL**.

2

Press the **EDIT/NO/CLEAR** button to display "Name Select?"

Name Select?

3

Press the **MULTI JOG** dial

4

Turn the **MULTI JOG** dial to select a name.

DOCK ↔ CD-R ↔ PC

TAPE ↔ VIDEO ↔ DAT

DIGITAL ↔ CD-R:dig

*1 ↔

PC:dig ↔ GAME:dig

To cancel the change, press the **EDIT/NO/CLEAR** button.

*1 Select this option when connecting a USB audio processor other than the UE-205.

5

Press the **MULTI JOG** dial to confirm

After "Complete" is displayed, the screen returns to the normal display.

Abbreviated Display Names

Input names may be abbreviated on this unit. In such cases, please refer to the table below.

Name	Abbreviated Name
CD-R	CR
DIGITAL, **:dig	DG
DAT	DT
DOCK	DC
LINE	LI
PC	PC
TAPE	TA
VIDEO	VI

Handling the Speakers

About the D-N9X Speaker Cabinet

The D-N9X cabinet features a real wood veneer finish, using natural wood as the surface veneer. Unlike mass-produced items, no two products with this real wood veneer finish have exactly the same grain pattern. This is because the growth rings of the raw wood are visible on the surface, giving each piece its own unique character, including irregular variations in pattern and variations in shade.

At Onkyo, we strive to make the most of the elements provided by nature. We invite you to appreciate this unique character as part of the experience of reproducing music.

Additionally, the surface of this unit is coated with a protective finish. Prolonged contact with products containing plasticizers, such as synthetic leather sofas, may cause color transfer or discoloration of the unit's finish. Please take care to avoid direct contact when setting up the unit.

We also recommend using the included spacers when placing the unit on furniture or mounting it on a wall.

We strictly manage the quality of the paint and finish according to our company standards.

Care Instructions

Wipe the surface of the product occasionally with a soft, dry cloth. For heavy soiling, dip a soft cloth in a solution of diluted neutral detergent, wring it out thoroughly, wipe away the dirt, and then finish with a dry cloth. Do not use rough cloths or volatile substances such as thinners or alcohol.

If using a chemical cleaning cloth, please read the attached instructions.

If dust accumulates on the speaker grille, you can remove it effectively by vacuuming or brushing it off.

Regarding use in close proximity to televisions and

computers

Generally, the cathode ray tubes used in televisions and computers are so sensitive that they are even affected by the Earth's magnetic field; therefore, placing ordinary speakers in close proximity may cause color distortion or distortion on the screen.

The included speakers feature a magnetic shielding design that complies with the technical standards of the Japan Electronics and Information Technology Industries Association (JEITA), allowing them to be used in close proximity to televisions and other devices. However, depending on the setup, color unevenness may occur. In such cases, please turn off the TV, wait 15 to 30 minutes, and then turn it back on. The TV's self-demagnetization function will help resolve the issue. If color unevenness persists, move the speaker away from the TV. Also, please be careful when setting up the unit, as objects that generate magnetism, such as magnets, located nearby may cause color unevenness on the TV due to interaction with this unit.

The tweeters in the included speakers contain powerful magnets, so do not bring screwdrivers, iron, or other magnetic objects near them. Doing so may cause them to be attracted, resulting in injury or damage to the diaphragm.

Handling Precautions

The included speakers are suitable for normal music playback; however, please be aware that if they are subjected to the following types of special signals, there is a risk of burnout or wire breakage due to excessive current.

- ① Noise when the FM tuner is not receiving a signal properly
- ② Sounds with high-frequency components, such as those from oscillators or electronic musical instruments
- ③ Special test tones, such as those found on audio test CDs
- ④ Feedback when using a microphone
- ⑤ Sounds produced when fast-forwarding a tape recorder
- ⑥ When an amplifier is oscillating
- ⑦ The clicking sound when plugging or unplugging connectors, such as pin connectors

About Condensation

If you bring this unit from a cold location into a warm room, or if you suddenly heat a cold room with a heater, water droplets may form inside the unit. This is called condensation. Not only will the unit fail to operate properly if left as is, but it may also damage discs and components. We recommend removing the disc when the unit is not in use.

If condensation is suspected, turn on the power and let the unit sit for about one hour before use.

About the CD

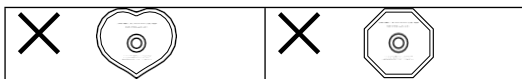
Playback Precautions Please use CDs (Compact Discs) that have the following mark on the disc label. Do not use discs not intended for music, such as computer CD-ROMs. Doing so may cause abnormal noises and result in damage to the speakers or amplifier.



※ This unit supports CD-R and CD-RW discs recorded in the PCM format used for music CDs.

Depending on the disc's characteristics, scratches, dirt, or recording quality, playback may not be possible. Additionally, discs recorded on an audio CD recorder that have not been finalized cannot be played back.

Do not use discs with special shapes, such as heart-shaped or octagonal discs. Doing so may cause the unit to malfunction.

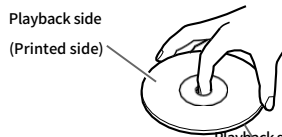


Regarding playback of music CDs with copy protection (copy control)

Some music CDs with copy protection (copy control) do not conform to official CD standards. Since these are special discs, they may not play on this unit.

Handling

To avoid touching the playback surface (the unprinted side), hold the disc by pinching both ends or by holding it between the center hole and the edge.



Do not attach paper or stickers to the playback side or the printed side, or write on them. Also, please take care not to scratch or damage them.

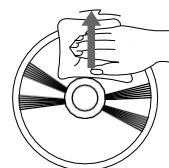
Precautions for Rental CDs

Do not use CDs with adhesive residue from cellophane tape or rental CD labels that has seeped onto the surface, CDs with signs of adhesive removal, or CDs with decorative stickers attached. This may cause the CD to become stuck or result in equipment malfunction.

CD Care

Dirt can reduce signal readability and degrade sound quality. If the disc is dirty, gently wipe away fingerprints and dust from the playback surface with a soft cloth, moving from the inner edge toward the outer edge. If the disc is very dirty, dampen a soft cloth with water, wring it out thoroughly, wipe away the dirt, and then use a soft cloth to wipe off any remaining moisture.

Do not use vinyl record cleaning sprays or anti-static agents. Also, never use volatile chemicals such as benzene or thinner, as they may damage the surface.



About MD

Serial Copy Management System

You cannot record an MD that was recorded via digital input using digital input again. This unit is a digital audio device that complies with the Serial Copy Management System standard. This standard limits the copying of digital signals between various digital AV devices to "only once" and is based on three principles.

Principle 1

You can perform "digital input recording" from a CD, DAT, or MD to an MD. However, you cannot perform "digital input recording" of a recording that has already been made via "digital input recording" onto another MD while maintaining the digital signal.

Principle 2

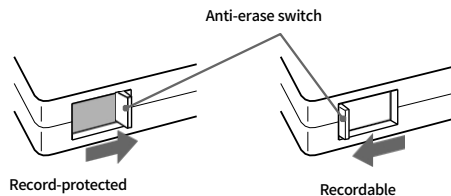
You can perform "digital input recording" from an MD that was recorded via analog input (e.g., from vinyl records or FM broadcasts) to another MD. However, you cannot record the digital signal as-is from an MD that has already been recorded via "digital input recording" to another MD. When MD recorders are connected via analog input/output terminals, you can record as many times as you like.

Rule 3

With a DAT deck or an MD recorder supporting sampling frequencies of 32 kHz or 48 kHz, you can also perform "digital input recording" of digital audio signals from satellite broadcasts. In this case, you can perform a second "digital input recording." However, depending on the BS tuner (satellite broadcast receiver), a second digital input recording may not be possible.

Preventing Accidental Deletion on MDs

Recording MDs have a "protect" switch to prevent accidental erasure of recorded content. To disable recording, slide the "protect" switch on the MD so that the hole is exposed, as shown in the figure (recording disabled).



When recording to an MD or performing editing tasks such as naming the disc, use a recording-grade MD and ensure the write-protect switch is disengaged.

Handling MDs

MDs are housed in cartridges, making them easy to handle without worrying about dust or fingerprints. However, dirt or warping of the cartridge can cause malfunctions. To ensure you can enjoy beautiful sound for a long time, please note the following.

Do not touch the disc inside directly

Do not open the disc shutter by hand. Forcing it open may cause damage.

Storage Location

Do not place the unit in locations exposed to direct sunlight, high temperatures, high humidity, or excessive dust; in poorly ventilated areas; or near equipment that generates significant electrical noise, such as large air conditioners or flickering old fluorescent lights.

When not in use for an extended period

When an MD is inside the unit, the disc shutter remains open. If you will not be using the unit for an extended period, remove the MD from the unit to prevent dust from accumulating on the internal disc.

Perform regular maintenance

Wipe off any dust or dirt on the surface of the cartridge with a dry cloth.

Notice

Under copyright law, you may not use your recordings for any purpose other than personal enjoyment without the rights holder's permission. Please note that the price of this product includes a private recording levy as required by copyright law.

Contact Information:

Private Recording Compensation
Management Association Tel. 03-
5353-0336

Fax: 03-5353-0337

System Limitations of MD

MDs use a different recording method than conventional cassettes and DATs. As a result, there are several system limitations, and the following symptoms may occur. Please note that these are not malfunctions.

- "Disc Full" is displayed even before the maximum recording time is reached.

Regardless of the total time, the "Disc Full" message appears once the maximum number of tracks has been reached. You cannot record more than 2,048 tracks in Hi-MD mode or 255 tracks in MD mode. To add more tracks, delete unnecessary tracks or split the recording across two MD discs.

- "Disc Full" appears even though there is still room in terms of both track count and recording time.

If there are frequent changes in emphasis information during a track, this is treated as a track break, and regardless of the time or number of tracks,

"Disc Full" will appear.

- Depending on the recording status of the MD, deleting several short tracks may not increase the remaining time on the MD.
- Depending on the recording method, it may not be possible to join tracks together. Tracks created through editing may not be joinable.
- Depending on the condition of the MD or the recording method, the remaining recording time may decrease to a level lower than the recorded time.
- If you fast-rewind or fast-forward a track created by editing, the sound may cut out.

- Track numbers may not be assigned correctly. When recording from a CD, short tracks may be created depending on the content of the CD. Also, if track marking is performed automatically with Level Sync On, track numbers may not be assigned correctly depending on the content being recorded.

- The "MD Reading" display does not disappear. When you insert a blank recording disc, the "MD Reading" message may remain on the display longer than usual.

- You can enter approximately 55,000 characters in Hi-MD mode and approximately 1,700 characters in MD mode on an MD. However, the number of characters you can enter will be reduced if you use the group function or enter Katakana.

- Group function information is written in the area normally used for the name. Therefore, if you enter too many characters, the area available for writing information becomes smaller, and you may not be able to edit groups. In that case, reducing the number of characters in the name may allow you to edit groups.

About MDLP and Hi-MD

Discs recorded in LP2 or LP4 mode cannot be played back on devices other than those equipped with LP2 or LP4 mode. Discs recorded in PCM, Hi-SP, or Hi-LP mode cannot be played back on devices other than those compatible with Hi-MD.

Recording Time

Operating Mode	Recording Mode	Codec /Bitrate	Disc Type			
			For Hi-MD format only 1 GB	80 minutes	74 minutes	60 minutes
Hi-MD Mode	PCM	Linear PCM /1.4 Mbps	Approx. 1 hour 34 minutes	Approx. 28 min	Approx. 26 min	Approx. 21 min
	Hi-SP	ATRAC3plus /256 kbps	Approx. 7 hours 55 minutes	Approx. 2 hours 20 minutes	Approx. 2 hours 10 minutes	Approx. 1 hour 45 minutes
	Hi-LP	ATRAC3plus /64 kbps	Approx. 34 hours	Approx. 10 hours 10 minutes	Approx. 9 hours 25 minutes	Approx. 7 hours 40 minutes
MD Mode	SP	ATRAC /292 kbps	Recording is not possible in MD mode.	Approx. 80 min	Approx. 74 min	Approx. 60 min
	LP2	ATRAC3 /132 kbps		Approx. 2 hours 40 minutes	Approx. 2 hours 28 minutes	Approx. 2 hours
	LP4	ATRAC3 /66 kbps		Approx. 5 hours 20 minutes	Approx. 4 hours 56 minutes	Approx. 4 hours
	MONO			Approx. 2 hours 40 minutes	Approx. 2 hours 28 minutes	Approx. 2 hours

Number of tracks/groups/characters per disc

Operating mode	Disk Type	Maximum number of tracks	Maximum Number of Groups	Maximum number of characters
Hi-MD Mode	Exclusive to Hi-MD standard: 1 GB	2047	255	Approx. 55,000 characters
	80 minutes	2047	255	Approx. 55,000 characters
MD Mode	80 minutes	254	99	Approx. 1,700 characters



If you're having trouble

Please check the table below first. The problem may be caused by another device connected to this unit. Please check the user manual for that device as well.

Power Issues

The power won't turn on

- Check to see if the power plug is loose in the outlet.
- Unplug the power cord from the outlet, wait at least 10 seconds, and then plug it back in.

The power turns off unexpectedly

- If "SLEEP" is displayed on the screen, the sleep timer is active. Please cancel it. (Page 68)
- Timer playback and recording (page 69) will switch to standby when the end time is reached.
- If the STANDBY indicator is flashing, the protection circuit is active. Check to see if the

Regarding sound

No sound

- Is the power plug disconnected from the outlet?
- Are the speakers connected correctly? Are the speaker wires making contact with the terminals on the unit? (Page 17)
- Is the volume turned all the way down?
- Please check that the INPUT is selected correctly.
- If "MUTING" is displayed, the muting function is active; press the MUTING button on the remote control to cancel it. (Page 36)
- No sound will come from the speakers if headphones are connected. Please disconnect the headphones. (Page 23)

Sound quality is poor/there is noise

- Check that the + and - terminals on the speaker cable are connected correctly. Connect the speaker on the left to the L terminal on the main unit, and the speaker on the right to the R terminal. (Page 17)
- Insert the pin plug all the way into the jack.
- This unit may be affected by strong magnetic fields, such as those from a TV. Keep this unit away from the TV.
- Noise may occur if there are devices emitting strong radio waves near this unit, such as a cell phone during a call.
- Since this unit contains rotating parts, you may hear the sound of precision components reading the disc during playback or track selection in a quiet environment.

No sound from a device connected to the LINE IN terminal, unable to record to an MD, or no sound output to a device connected to the LINE OUT terminal

- Have you connected the LINE IN and LINE OUT terminals in reverse? (Page 22)
- Have you accidentally connected to the PHONES jack?

Sound cuts out due to vibration

- This unit is designed for installation, so please use it in a location with as little vibration as possible.

No sound or noise coming from the headphones

- This may be due to a loose connection. Clean the headphone jack. (For details, see the instructions.) Please refer to the user manual included with the headphones for details.
- Check the connection of the power plug for possible noise and quality. Sound quality stabilizes approximately 10 to 30 minutes after power is turned on. Please note that bundling the audio pin cable with the speaker cable may degrade sound quality.

Regarding CD/MD

Playback takes a long time to start

- For discs with a large number of tracks, it may take some time to load.

Skipping

- Skips may occur if the unit is vibrating, or if the disc is heavily scratched or dirty.

Unable to save a track

- Make sure a disc is inserted in the unit and that the track you are trying to save is on that disc.

The disc won't fit

- Unplug the power cord and plug it back in.
- For CDs, check the disc placement; for MDs, check the disc orientation.
- Try using a different disc.

The disc is inserted but does not play

- Check to see if the disc is inserted the right way up.
- Check to see if the disc is severely dirty or damaged.
- Is there a blank disc inserted? Replace it with a disc that has recordings on it.
- If you suspect condensation, wait about an hour before operating the unit. (Page 74)

The disc does not play in the correct order

- Cancel playback modes such as repeat, memory, and random playback. (Page 30)

Playing music CDs with copy protection

Noise or skipping during playback / The unit does not recognize the disc and displays "NO DISC" / The first track does not play / It takes longer than usual to skip to the beginning / Playback starts in the middle of a track / There are sections that cannot be played / Playback stops midway / Incorrect display

- The disc being played is a music CD with copy control (copy protection). Some music CDs with copy control do not comply with CD standards. Since these are special discs, they may not play on this unit.

Regarding FM/AM Radio

There is static on the broadcast / There is a lot of hissing noise during FM stereo broadcasts / Stations cannot be recalled using Auto Preset

(FM only)/The "ST" indicator does not light up fully during FM broadcasts

- Please check the antenna connection again. (Page 18)
- Try repositioning the antenna. (Page 31)
- Move it away from TVs and computers.
- Noise may occur if a car is driving or an airplane is flying nearby.
- Reception may be poor if the signal is blocked by concrete walls or other obstacles.
- Try switching the FM mode to mono. (Page 34)
- Operating the remote control while receiving AM broadcasts may cause static.
- If reception is still poor, we recommend using a commercially available indoor antenna or installing an outdoor antenna. Please consult your dealer regarding the installation of an outdoor antenna.

Troubleshooting

In the event of a power outage or if the power plug is unplugged

- the memory is not normally lost. However, if the preset radio stations have been erased, please register them again.
- The current time will be reset, so please set the current time and timer.

I cannot tune the radio

- Operation is limited to the remote control. Press the π / " button on the remote control to adjust the frequency. (Page 31)

About the Remote Control

The remote control does not work

- Check that the battery polarity (+, -) is correct as shown. (Page 9)
- Try replacing both batteries with new ones. (Avoid using different types of batteries or mixing new and old batteries.)
- Is the remote control too far away from the main unit?
- Is there an obstacle between the remote control and the main unit?
- Is a strong light (such as an inverter fluorescent lamp or direct sunlight) shining on the remote control receiver on the main unit?
- If the audio rack door uses tinted glass, the unit may not function properly.
- If the fluorescent lights in the room are worn out and flickering, this unit may malfunction. Please check the fluorescent lights.

Regarding connections to external devices

Unable to record

- To make digital recordings, you must connect the digital output of the playback device to the DIGITAL IN terminal on this unit. Please check that the connection is correct.

(Page 21)

System does not work with Onkyo external devices

-  Please check that both the cable and the audio pin cable are connected correctly. (Pages 20, 21)
-  The system will not function simply by connecting the cables.
- Set the display name for the external input device. (Page 73)

"D.In Unlock" is displayed / The DIGITAL indicator is flashing

- The optical digital cable is not connected, or the external device is not turned on.

No sound is coming from the connected device

- Is the optical digital cable bent or damaged?
- This unit only supports PCM signals, so please set the digital output to PCM.

The sound from the turntable is too quiet

- Please check whether your turntable has a built-in phono equalizer.
- If your turntable does not have a built-in phono equalizer, you will need a separate phono equalizer.

The turntable won't play

- If you are using an MC cartridge-type turntable, you will need a step-up transformer or a phono preamp.

Regarding time, timer playback, and recording

Timer playback/recording does not work

- Is the current time set correctly?
If the time is not set, timer playback and recording will not work. Set the day of the week and the current time. (Page 66)
- The timer will not start if the power is on at the start time. Please set the unit to standby mode when the timer starts. (Page 71)
- If timer settings overlap, some timers will not function. Please adjust the times so they do not overlap. (Page 67)
- Please adjust the volume to an appropriate level for timer playback. (Page 71, **Step 8**)
- If using an Onkyo external device, check that both the  cable and the audio pin cable are connected correctly. Also, check that the display name is set correctly. (Pages 20, 21, 73)
- To use the timer recording function, you must insert a recordable MD. Also, when using the timer to record to the unit's MD, recording may not start for a few seconds after the start time, so please set the recording start time about 1 minute earlier.

The clock display does not appear in standby mode

- Set the "Clock Display in Standby" option to "On." (Page 66)

Regarding MD Recording/Editing

Information regarding MD recording and editing (naming, erasing, etc.) is written to the MD's Table of Contents (TOC) when the MD is ejected or when the unit enters standby mode. Do not unplug the power cord or shake the unit while the TOC indicator is lit or flashing.

Cannot record

"Cannot Rec" is displayed

- This is an MD for playback. Please replace it with one for recording.
- You cannot record the audio from a DVD as a digital signal.
- CD-Rs recorded via digital input cannot be recorded due to the Serial Copy Management System.

"Protected" is displayed

- The MD is in write-protected mode. Slide the write-protect switch to unlock it.

"Disc Full" is displayed

- There is no space left on the MD. Please replace it with a new MD.

"Retry Error" is displayed

- Remove the MD and try recording again. If this message appears frequently, please contact our repair service.
- Recording may not be possible if the remaining time on the disc is 48 seconds or less.

When attempting to record from an external digital device

"D.In Unlock" appears

- Please connect the digital audio cable correctly.

Recording level is too low / Sound is distorted

- Adjust the recording level. (Page 48)

"CD Dubbing" does not work (CD-Rs recorded digitally cannot be used for digital recording functions such as CD Dubbing.)

- If "Peak Search" is flashing, the DLA Link function, which automatically corrects the volume, is active. Please wait; dubbing will begin after the flashing stops.

(DLA Link Settings  Page 47)

Troubleshooting

"CD Dub Fail" is displayed.

- The MD unit is in operation. Please wait a moment and then try copying the CD again.
- You cannot dub a CD if it is in random play mode. Please return to normal playback.

"CD Double-Speed Dubbing" does not work.

- CD double-speed dubbing will not work if the CD is in memory or random play mode. Please return to normal playback mode. Also, in MD mode, once high-speed dubbing has started, you cannot dub the same CD at high speed again within 74 minutes. (Page 41)

Skips occur during "CD High-Speed Duplication"

- CD high-speed dubbing is more susceptible to issues caused by disc dirt or other factors. If you experience skipping or noise, please record using normal CD dubbing.

"Synchronized Recording" does not work

- You cannot start synchronized recording while "MD Reading" is displayed on the screen. Please wait a moment before operating the unit.

A group is always created when recording

- The "Group Recording" setting is turned "On." Please turn the "Group Recording" setting "Off." (Page 46)

The first few seconds of a recorded track are missing

- When the input is set to "MD" and "Reading" is displayed, the unit is reading the MD. It takes several tens of seconds to read the MD. Please start recording after the MD has finished reading.

Momentary noise occurs during recording

- In LP4 mode recording in MD mode, due to the nature of the compression method, momentary noise may occur very rarely depending on the source audio. Please try recording in SP mode or LP2 mode.

The recording time indicated on the disc does not match the total of the time already recorded and the remaining recording time

- Since recordings are made in fixed time intervals on the disc, the recorded time may decrease due to repeated editing or deletion.

MD reading is slow

- Since this unit supports Hi-MD and MD, reading may take up to approximately 60 seconds.

The sound is too quiet or too loud when playing a recorded disc

- Adjust the recording level. (Page 48)

Cannot name the disc

- Please use an MD disc designed for recording. If the MD's anti-erase switch is open and recording is disabled, close the anti-erase switch to disable the protection. (Page 76)
- You cannot name tracks when the unit is in Memory, Random, or 1GR playback mode. Please return to normal playback mode. (Page 30)

Even though there are already several tracks recorded on the MD, recording starts from Track 1

- If the group recording setting is on, a new group is created when recording starts, so "1Tr" is displayed.

Group recording is set to on, but no group is created

- Groups are not formed during track-specific CD dubbing. Also, during synchronized recording, pressing the  button on the MD will end the group at that point.

The recording is split into many tracks

- When recording from the radio, records, etc., silent sections may be detected, resulting in a large number of tracks. If increasing the recording level does not improve the situation, please turn off the Level Sync function.

Track numbers are not assigned

- Track numbers may not be assigned if the silent sections are too short.

MDs recorded on this unit cannot be played on other players

- MDs recorded using LP2 or LP4 (MDLP mode) cannot be played back on devices that do not support MDLP. Please check if your device supports MDLP. MDs formatted in Hi-MD mode during initialization cannot be played on devices other than Hi-MD-compatible ones. Please check if your device is Hi-MD-compatible.

I want to convert my current MD to Hi-MD mode

- Initialize the MD to Hi-MD mode. All previously recorded tracks will be deleted. (Page 38)

I cannot edit the MD

- Use an MD disc intended for recording, and to disable the write-protect function, slide the write-protect switch to the off position. (Page 76)
- You cannot edit the MD if it is in Memory, Random, or 1GR playback mode. Please return to normal playback mode. (Page 30)
- You cannot combine (Page 61)
- Also, tracks recorded in different recording modes cannot be combined. (e.g., LP2 and LP4) (Page 61)

If a power outage occurs after recording

If a power outage occurs while the TOC indicator is lit or flashing, the recording data prior to the outage will be erased. The data will also be erased if the power cord is accidentally unplugged.

Other

The disc gets hot

- Depending on the ambient temperature and operating conditions, the disc may become hot when using this unit; this is not a malfunction.

Damages resulting from the inability to record properly due to a product malfunction (such as CD rental fees) are not covered by the warranty. Therefore, when recording important content, please verify in advance that the unit is functioning correctly before proceeding.

To reset all settings to their factory defaults

Although this unit utilizes a microcomputer to provide advanced functions, in extremely rare cases, it may malfunction due to external noise or static electricity. In such cases, unplug the power cord, wait at least 10 seconds, and then plug it back in.

After "Clear" appears on the display, the unit will enter standby

Troubleshooting

Message List

Messages may appear depending on usage conditions. Their meanings are shown in the table below.

Message	Meaning
MD Blank Disc	An MD blank disc with no tracks or disc name recorded has been inserted.
Audio Error	This disc contains audio signals intended for a computer. . Please use a different disc or format it.
Cannot Copy Due	to MD restrictions, digital recording is not possible (see "About the Serial Copy Management System" on page 76).
Cannot Edit	You attempted to edit an MD that cannot be edited.
Cannot Rec	You attempted to record to a read-only MD. You attempted to digitally record a digitally recorded CD-R .
CD Dub Fail	Could not start CD dubbing. Complete Editing is complete.
Cannot Read	An abnormal (damaged, missing TOC). Or, the format is not supported as Hi-MD audio, so it cannot be read. Please insert another disc.
Disc Full recording	There is no recordable space on the MD, so (See "MD System Limitations" on page 76.)
D. In Unlock	Not connected to a digital input. .
DLA Link Off	With the DLA Link Off setting, you cannot change the settings . Set DLA Link to On. (See page 47)
Error	An invalid combination was entered when entering a kana name. Example: ア"
Full	The maximum number of characters was reached while entering a name.
Impossible	An editing operation that cannot be performed due to reasons other than MD system constraints.
MD Writing	Writing to MD
Mecha Error	An error has occurred in the MD mechanism. There is a possibility of a malfunction , so please contact your nearest Onkyo service center.
Memory Full	You attempted to store more than 25 tracks. Or, you attempted to store more than 30 stations in the tuner.
Name Full	The number of song titles and disc names stored has reached the maximum limit. .
No Change	No changes were made during name entry.
CD/MD No Disc	No disc is inserted. (CD, MD) Protected The MD is in a state where recording is not possible.

Message	Meaning
Read Error	The disc could not be read correctly. .
Retry Error	During recording, there was vibration or the MD had several scratches, causing repeated re-recording attempts and preventing normal recording. Please replace the disc.
Recording mode. Time Protect	An invalid operation was performed during recording. Signal Wait The MD has entered signal wait mode. You attempted to dub the same CD at double CD speed within 74 minutes.
TOC Error	The MD failed to read or write the TOC information failed. Please insert another disc. If the problem persists, reformat the disc.

Specif
ications

■CD Section	
Frequency Response	10 Hz–20 kHz
Dynamic Range	95 dB
Total Harmonic Distortion	0.007%

Main Unit

■General

Power Supply/Voltage	AC 100 V, 50/60 Hz
Power Consumption	50W (FR-N9X), 46W (FR-N7X)
Standby Power	0.1W
Maximum Dimensions	205 (W) × 147 (H) × 339 (D) mm
Weight	4.7 kg
Audio Input	Digital 1 (Optical) Analog: LINE, TAPE, DOCK
Audio Output	Digital 1 (Optical (FR-N9X only)) Analog: LINE, TAPE, DOCK Subwoofer Pre-out 1 Speakers 2 Headphones 1

* After the termination of terrestrial analog TV broadcasts, you will no longer be able to listen to the audio on VHF Channels 1, 2, and 3.

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■ Amplifier Section

Rated Output (FR-N9X)	14W + 14W (8Ω, 40Hz–20kHz, Total Harmonic Distortion 0.4% or less, 2- channel drive) 19W + 19W (6Ω, 1kHz, Total Harmonic Distortion (THD) ≤ 0.4%, 2-channel drive)
Rated Output (FR-N7X)	10W + 10W (8Ω, 40Hz–20kHz, Total Harmonic Distortion (THD) ≤ 0.4%, 2- channel drive) 15W + 15W (6Ω, 1kHz, Total Harmonic Distortion (THD) ≤ 0.4%, 2- channel drive)
Maximum Practical Output (FR-N9X)	26W + 26W (4Ω JEITA)
Maximum practical output: (FR-N7X)	20W + 20W (4Ω, JEITA)
Total Harmonic Distortion: (at 1 kHz, rated output)	0.4% (at 40 Hz–20 kHz, rated output)
Damping factor:	25 (8Ω)
Input sensitivity/impedance:	150 mV/50 kΩ (TAPE) 150 mV/24 kΩ (LINE)
Output voltage/impedance:	150 mV/2.2 kΩ (REC OUT)
Frequency response	10 Hz–100 kHz / ±3 dB (TAPE)
Maximum tone control range	±6 dB, 80 Hz (BASS) ±8 dB, 10 kHz (TREBLE) +7 dB, 80 Hz (S.BASS)
Signal-to-noise ratio	100 dB (LINE, IHF-A)
Speaker Impedance Range:	4Ω–16Ω

■Tuner Section

<FM>	
Reception Range	76.0 MHz–90.0 MHz, VHF Ch. 1, 2, 3 *
Reception Sensitivity	Stereo 22.2 dBf (IHF) Mono 15.2 dBf (IHF)
Signal-to-noise ratio	Stereo 67 dB (IHF-A) Mono 73 dB (IHF-A)
Distortion	Stereo 0.5% (1 kHz) Mono 0.3% (1 kHz)
Stereo separation	40 dB (1 kHz)
<AM>	
Reception range	522 kHz–1629 kHz
Sensitivity (75Ω)	300 dBf
Signal-to-noise ratio	40 dB
Distortion	0.7% (1 kHz)

About Repairs

■Warranty

A separate warranty card is included with this product; please be sure to receive it at the time of purchase. Please fill in the required information, verify the details, and keep it in a safe place.

The warranty period is one year from the date of purchase.

■If the product is not working properly

What you may think is a malfunction could actually be due to an unexpected operating error.

Please read this instruction manual carefully once again and check the settings. The problem may be caused by something other than this unit. Please also check your other audio equipment. If the problem persists, unplug the power cord and request repairs.

When requesting repairs, please provide the following information to the retailer where you purchased the unit or to the nearest Onkyo repair center listed in the included "Onkyo Customer Support and Repair Center Guide."

- ▶ Name
- ▶ Phone Number
- ▶ Address

▶ Product Name

FR-N9X

 or

X-N9X

 or

X-N7X

- ▶ As detailed a description of the malfunction as possible

■About the Onkyo Repair Service

For details, please refer to the included "Onkyo Customer Support and Repair Service Guide."

■Repairs During the Warranty Period

In the unlikely event of a malfunction or defect, please bring the product and your warranty card to the store where you purchased it or your nearest Onkyo Repair Center for assistance. Please refer to your warranty card for details.

■Repairs After the Warranty Period

Please consult the store where you purchased the product or your nearest Onkyo Repair Center. If the product's functionality can be restored through repair, we will perform the repair for a fee upon your request.

■Regarding the Retention Period for Replacement Parts

We will retain functional replacement parts for this unit for a minimum of 8 years after production has ceased. This retention period is in accordance with guidelines from the Ministry of Economy, Trade and Industry. Functional parts are those necessary to maintain the product's functionality. Even after the retention period has expired, repairs may still be possible depending on the nature of the malfunction, so please consult the store where you purchased the product or your nearest Onkyo repair center.

Please fill this out at the time of purchase.
This will be helpful when requesting repairs.

Date of purchase: _____
Store Name: _____
Tel. _____
Notes: _____

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572-8540

For inquiries regarding product usage: Call Center ☎ 050-3161-9555
Hours: 9:30 AM–5:30 PM
(Excluding Saturdays, Sundays, national holidays, and
company-designated holidays)



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