aiwa

CD - R/CD STEREO SYSTEM
SISTEMA ESTEREO CD - R/CD
CHAINE STEREO AVEC PLATINES CD - R/CD

XR-C3RW

OPERATING INSTRUCTIONS
MANUAL DE INSTRUCCIONES
MODE D'EMPLOI

En (English)

E (Español)

F (Français)

For assistance and information,
call toll free 1-800-BUY-AIWA.
(United States and Puerto Rico)

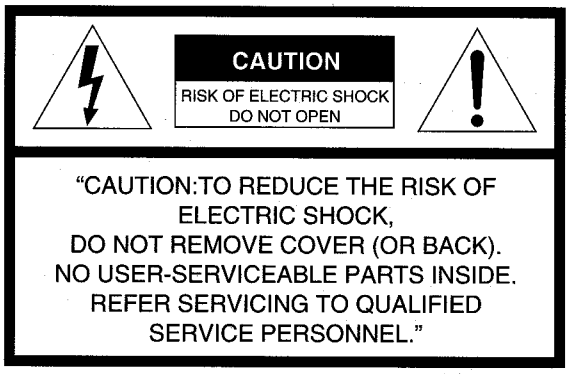
COMPACT disc DIGITAL AUDIO Recordable ReWritable

8Z-DF8-903-11
991102BMI-U-0

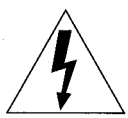
U

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



Explanation of Graphical Symbols:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

PRECAUTIONS

Read the Operating Instructions carefully and completely before operating the unit. Be sure to keep the Operating Instructions for future reference. All warnings and cautions in the Operating Instructions and on the unit should be strictly followed, as well as the safety suggestions below.

Installation

1 **Water and moisture** – Do not use this unit near water, such as near a bathtub, washbowl, swimming pool, or the like.

2 **Heat** – Do not use this unit near sources of heat, including heating vents, stoves, or other appliances that generate heat. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).

3 **Mounting surface** – Place the unit on a flat, even surface.

4 **Ventilation** – The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm (4 in.) clearance from the rear and the top of the unit, and 5 cm (2 in.) from the each side.
- Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
- Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.

5 **Objects and liquid entry** – Take care that objects or liquids do not get inside the unit through the ventilation openings.

6 **Carts and stands** – When placed or mounted on a stand or cart, the unit should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit or cart to overturn or fall.

7 **Condensation** – Moisture may form on the CD pickup lens when:
- The unit is moved from a cold spot to a warm spot
- The heating system has just been turned on
- The unit is used in a very humid room
- The unit is cooled by an air conditioner

When this unit has condensation inside, it may not function normally. Should this occur, leave the unit for a few hours, then try to operate again.

8 **Wall or ceiling mounting** – The unit should not be mounted on a wall or ceiling, unless specified in the Operating Instructions.

Electric Power

1 **Power sources** – Connect this unit only to power sources specified in the Operating Instructions, and as marked on the unit.

2 **Polarization** – As a safety feature, some units are equipped with polarized AC power plugs which can only be inserted one way into a power outlet. If it is difficult or impossible to insert the AC power plug into an outlet, turn the plug over and try again. If it still does not easily insert into the outlet, please call a qualified service technician to service or replace the outlet. To avoid defeating the safety feature of the polarized plug, do not force it into a power outlet.

3 **AC power cord**
- When disconnecting the AC power cord, pull it out by the AC power plug. Do not pull the cord itself.
- Never handle the AC power plug with wet hands, as this could result in fire or shock.
- Power cords should be routed to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power socket.
- Avoid overloading AC power plugs and extension cords beyond their capacity, as this could result in fire or shock.

4 **Extension cord** – To help prevent electric shock, do not use a polarized AC power plug with an extension cord, receptacle, or other outlet unless the polarized plug can be completely inserted to prevent exposure of the blades of the plug.

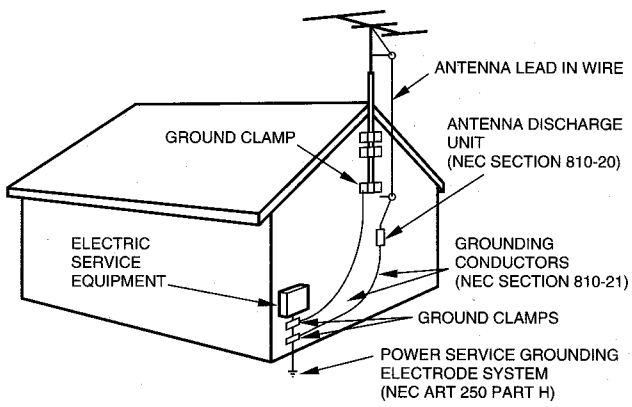
5 **When not in use** – Unplug the AC power cord from the AC outlet if the unit will not be used for several months or more. When the cord is plugged in, a small amount of current continues to flow to the unit, even when the power is turned off.

Outdoor Antenna

1 **Power lines** – When connecting an outdoor antenna, make sure it is located away from power lines.

2 **Outdoor antenna grounding** – Be sure the antenna system is properly grounded to provide protection against unexpected voltage surges or static electricity build-up. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information on proper grounding of the mast, supporting structure, and the lead-in wire to the antenna discharge unit, as well as the size of the grounding unit, connection to grounding terminals, and requirements for grounding terminals.

Antenna Grounding According to the National Electrical Code



NEC-NATIONAL ELECTRICAL CODE

Maintenance
Clean the unit only as recommended in the Operating Instructions.

Damage Requiring Service
Have the units serviced by a qualified service technician if:
- The AC power cord or plug has been damaged
- Foreign objects or liquid have gotten inside the unit
- The unit has been exposed to rain or water
- The unit does not seem to operate normally
- The unit exhibits a marked change in performance
- The unit has been dropped, or the cabinet has been damaged

DO NOT ATTEMPT TO SERVICE THE UNIT YOURSELF.

Owner's record
For your convenience, record the model number and serial number (you will find them on the rear of your set) in the space provided below. Please refer to them when you contact your Aiwa dealer in case of difficulty.

Model No.	Serial No. (Lot No.)
CX-NC3RWU	
SX-WNC3	

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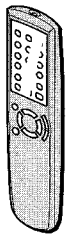
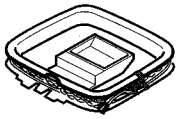
CONNECTIONS

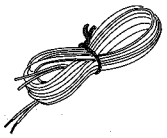
Check your accessories



Remote control



AM loop antenna



FM antenna

Operating Instructions, etc.

Before connecting the AC cord

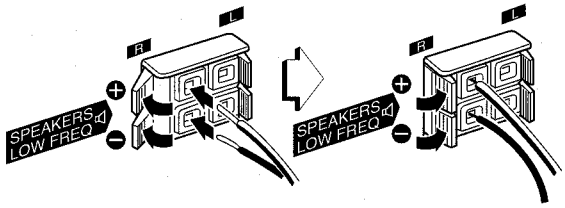
The rated voltage of your unit shown on the rear panel is 120 V AC. Check that the rated voltage matches your local voltage.

IMPORTANT

- Connect the speakers, antennas, and all optional equipment first. Then connect the AC cord in the end.
- There are no differences between the front speakers. Both speakers can be connected as L (Left) or R (Right).

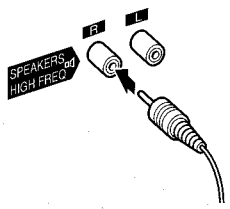
***1* Connect the right and left speakers to the main unit.**

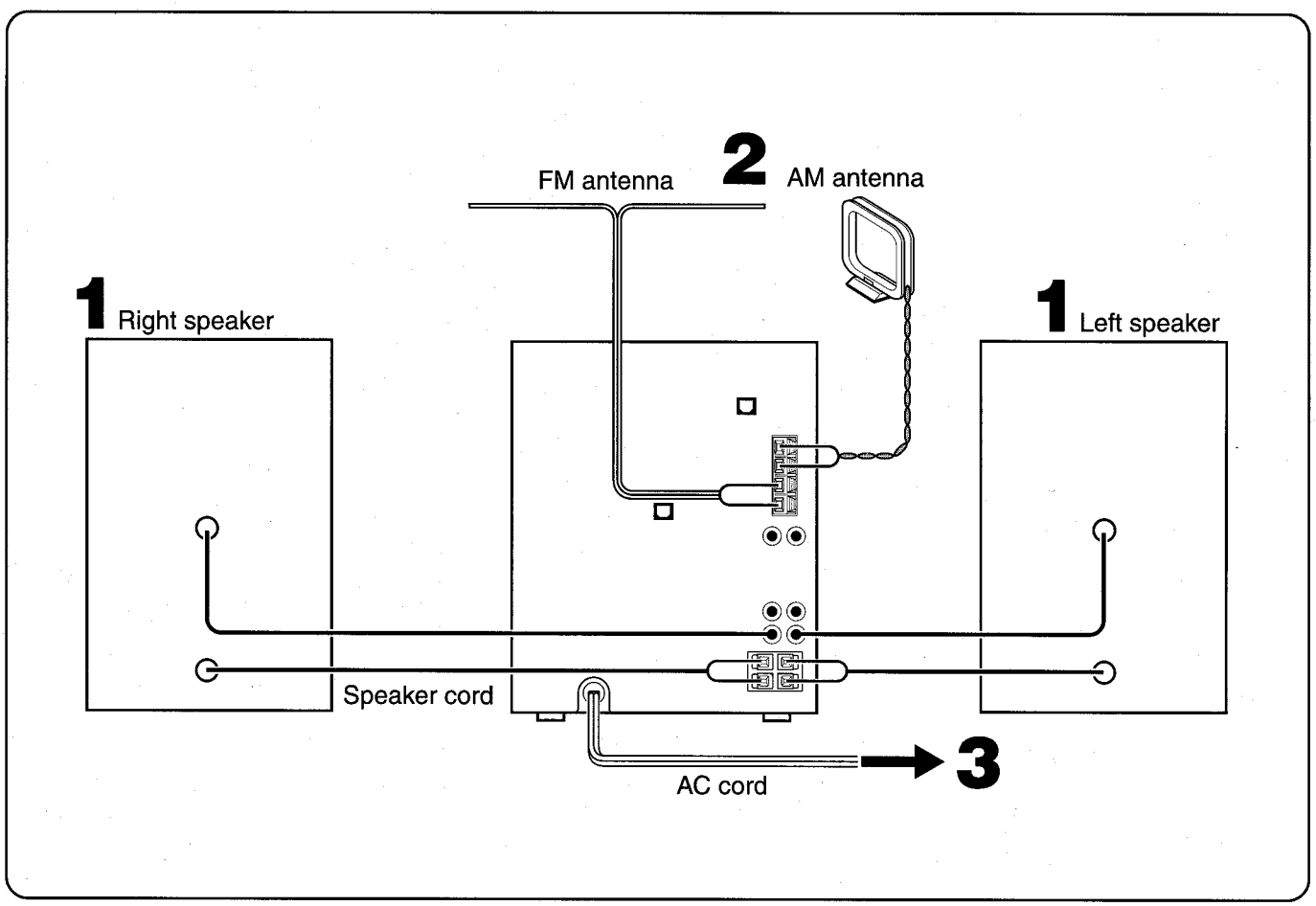
① Connect the right speaker cord with twisted cables to **SPEAKERS LOW FREQ R** terminals, and left to **SPEAKERS LOW FREQ L** terminals.



The speaker cord with the white stripe should be connected to ⊕ terminal and the black cord to ⊖ terminal.

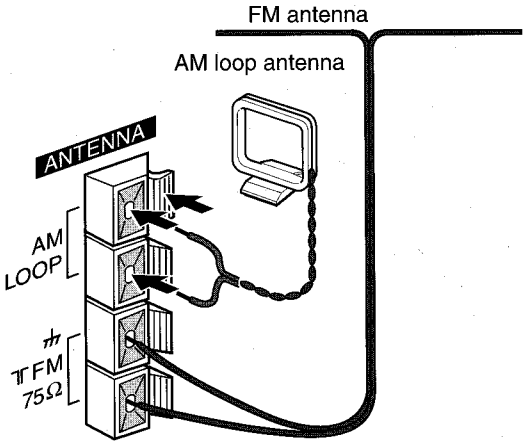
② Connect the right speaker cord with RCA pin plug to **SPEAKERS HIGH FREQ R** terminal, and left to **SPEAKERS HIGH FREQ L** terminals.





2 Connect the supplied antennas.

Connect the FM antenna to **FM 75** Ω terminals and the AM loop antenna to **AM LOOP** terminals.



3 Connect the AC cord to an AC outlet.

To position the antennas

FM feeder antenna:

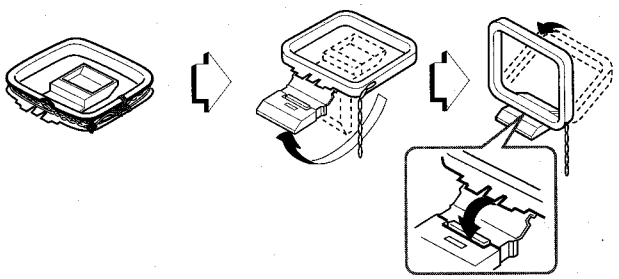
Extend this antenna horizontally in a T-shape and fix its ends to the wall.

AM loop antenna:

Position for the best reception.

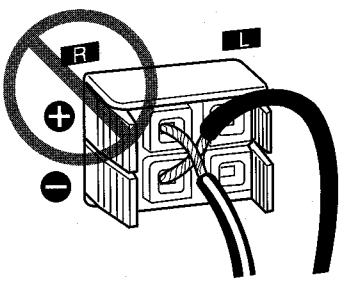
To stand the AM loop antenna on a surface

Fix the claw to the slot.



NOTE

- Be sure to connect the speaker cords correctly. Improper connections can cause short circuits in **SPEAKERS LOW FREQ** terminals.

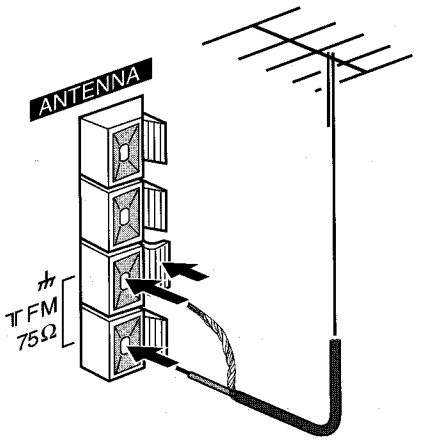


- Do not leave objects generating magnetism near the speakers, as these objects may be damaged.
- Do not bring the FM antenna near metal objects or curtain rails.
- Do not bring the AM loop antenna near other optional equipment, the stereo system itself, the AC cord or speaker cords, since noise will be picked up.
- Do not unwind the AM loop antenna wire.

CONNECTING AN OUTDOOR ANTENNA

For better FM reception, use of an outdoor antenna is recommended.

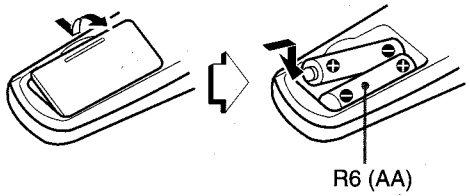
Connect the outdoor antenna to **FM 75** Ω terminals.



To connect other optional equipment → page 34.

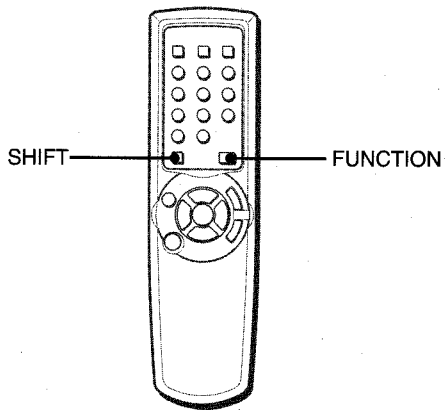
REMOTE CONTROL

Inserting batteries
Detach the battery cover on the rear of the remote control and insert two R6 (size AA) batteries.



When to replace the batteries
The maximum operational distance between the remote control and the sensor on the main unit should be approximately 5 meters (16 feet). When this distance decreases, replace the batteries with new ones.

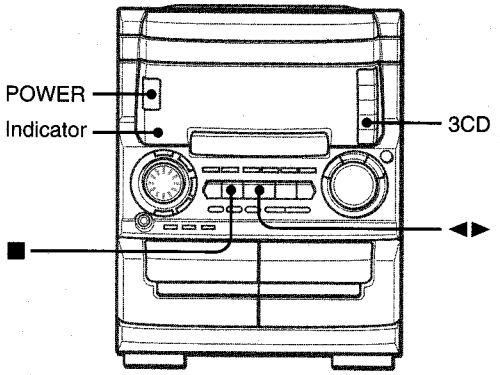
To use the remote control
- Buttons on the remote control with the same names as those on the main unit can be used instead. There are operations performed by both the main unit and the remote control, but there also exist operations performed by the remote control only.
  Read this manual for each operation and the buttons that can be used.
- Some buttons on the remote control have two different functions. To use the function on the button, simply press the button. To use the function on the plate above or below the button, press the button while pressing **SHIFT**.



To use FUNCTION on the remote control
FUNCTION substitutes for the function buttons **(TAPE (1, 2), TUNER (FM, AM), AUX, D-IN, 3CD, CD-R/RW)** on the main unit. Each time **FUNCTION** is pressed, the next function is selected cyclically. When tapes are inserted in both decks, both decks can be selected with **FUNCTION**.

NOTE
- If the unit is not going to be used for an extended period of time, remove the batteries to prevent possible electrolyte leakage.
- The remote control may not operate correctly when:
  - The line of sight between the remote control and the remote sensor inside the display window is exposed to intense light, such as direct sunlight
  - Other remote controls are used nearby (those of a television, etc.)

BEFORE OPERATION



To turn the unit on
Press **POWER**.

NOTE
While "Good Bye" is displayed, you cannot turn the unit on. Wait until the message disappears.

To turn the unit off
Press **POWER** again.

If the power is turned off after the clock is set
The red indicator below the power button lights to indicate that power is supplied. Nothing is displayed on the display window (setting when you purchase the unit).

To turn off the CD compartment light
Press ■ while pressing **3CD**. Repeat the same operation to restore the light.

NOTE
When you purchase this unit, the power economizing mode is set to ON.
If the tape, CD, CD-R or CD-RW are stopped and there is no audio input from any connected external equipment for 10 minutes, the power shuts off. To set the power economizing mode to OFF, see page 33.

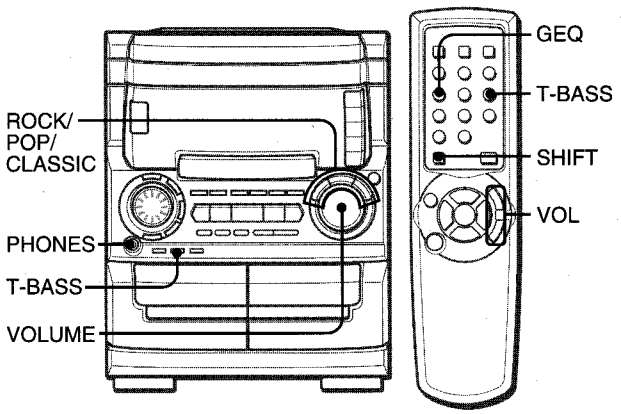
CONCERNING THE DISPLAY WINDOW'S DEMO DISPLAY

When the power cord is plugged into an electrical outlet for the first time after purchase, a demo display will appear in the display window. When the power is turned on, the demo display will end. When the power is turned off, the demo display will appear again. Until the clock is set, the demo display will appear whenever the power is turned off.

When the clock is set
Normally, the demo display will not appear.
If ◄► is pressed when the power is off, the demo display will appear. To end the demo display, press ◄►. (For setting the clock, see page 30.)

After the power is turned on
Display of source and volume level flashes for 4 seconds while the unit is being powered on.
During this period, the unit cannot be operated.

AUDIO ADJUSTMENTS

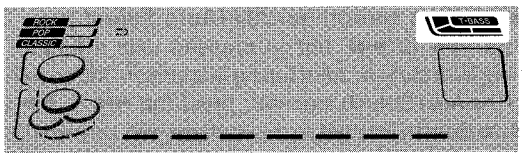


VOLUME

Turn VOLUME on the main unit, or press VOL on the remote control.
The volume level is displayed as a number from 0 to 30 followed by MAX.
The volume level is automatically set to 16 when the power is turned off while the volume level is set to 17 or more.

SUPER T-BASS SYSTEM

The T-BASS system enhances the realism of low-frequency sound.
Press T-BASS.
Each time it is pressed, the level changes. Select one of the three levels, or the off position to suit your preference.



To select with the remote control
Press **T-BASS** while pressing **SHIFT**.

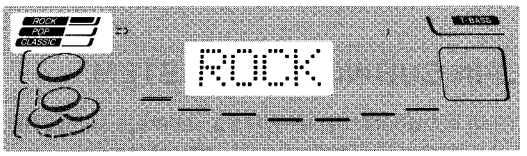
NOTE

Low frequency sound may be distorted when the T-BASS system is used for a disc or tape in which low frequency sound is originally emphasized. In this case, cancel the T-BASS system.

GRAPHIC EQUALIZER

This unit provides the following three different equalization curves.
ROCK: Powerful sound emphasizing treble and bass
POP: More presence in the vocals and midrange
CLASSIC: Enriched sound with heavy bass and fine treble

Press ROCK, POP or CLASSIC.
The selected equalization mode is displayed for 4 seconds.



To cancel the selected mode
Press the selected button again. "GEQ OFF" is displayed for 4 seconds.

To select with the remote control
Press **GEQ** repeatedly while pressing **SHIFT**.The GEQ mode is displayed cyclically as follows.

ROCK → POP → CLASSIC → GEQ OFF (cancel) → ROCK

Using the headphones
Connect headphones to **PHONES** jack with a stereo standard plug (ø6.3 mm, 1/4 inch).
No sound is output from the speakers while the headphones are plugged in.

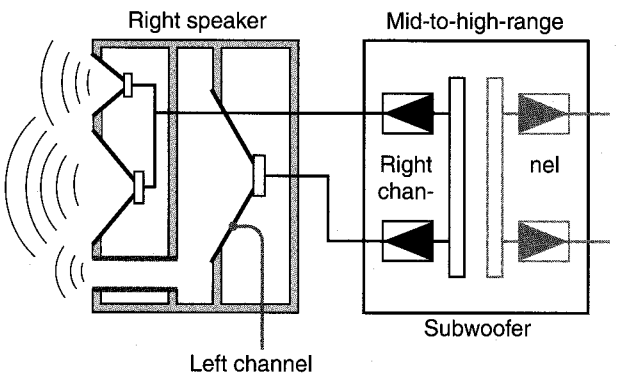
Sound adjustment during recording
The output volume and tone of the speakers or headphones may be freely varied without affecting the recording.

MULTI-AMPLIFIER SYSTEM

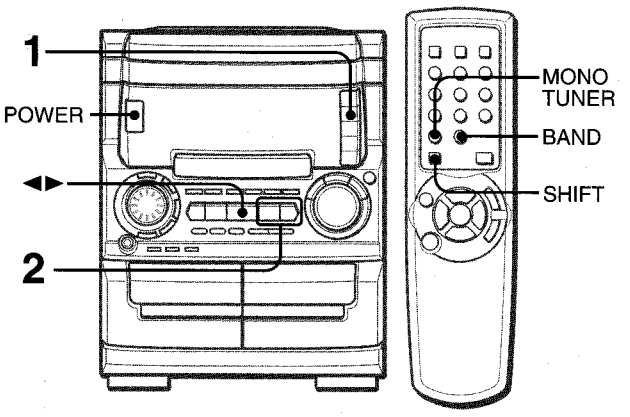
To provide reinforcement for the ultra-low frequencies, in addition to the Left/Right 2-channel amplifier used to reproduce mid-to-high-range frequencies, this system incorporates a second L/R 2-channel amplifier just for reproduction of ultra-low frequencies - making it, in effect, a 4-amplifier system. By utilizing discrete amplifiers for mid-to-high frequencies and low frequencies, high-quality sonic reproduction that is virtually free from distortion can be realized.

BUILT-IN SUBWOOFER SYSTEM

The built-in subwoofer system has a separate subwoofer cavity area that is part of the loudspeaker cabinet structure, which acts as a sonic filter to cut distortion components. (In the Multi-Amplifier system, the ultra-low frequency signals transmitted from their own independent amplifier are reproduced in this area.) This separate construction gives a clear, rich definition to bass reproduction and it can realize clear, well-defined mid-to-high frequency signals. And AIWA's built-in subwoofer system incorporates a subwoofer capable of powerful, satisfying bass performance with true stereo separation.



MANUAL TUNING



1 Press TUNER BAND repeatedly to select the desired band.

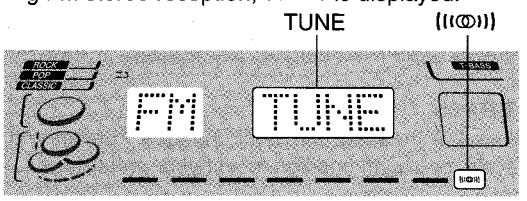
FM → AM

When **TUNER BAND** is pressed while the power is off, the power is turned on directly.

To select a band with the remote control
Press **BAND** while pressing **SHIFT**.

2 Press ◄◄ or ►► to select a station.

Each time the button is pressed, the frequency changes.
When a station is received, "TUNE" is displayed.
During FM stereo reception, ((◎)) is displayed.



To search for a station quickly (Auto Search)
Keep the ◄◄ or ►► button pressed until the tuner starts searching for a station. After tuning in a station, the search stops.
To stop the Auto Search manually, press the ◄◄ or ►► button.
• The Auto Search may not stop at stations with very weak signals.

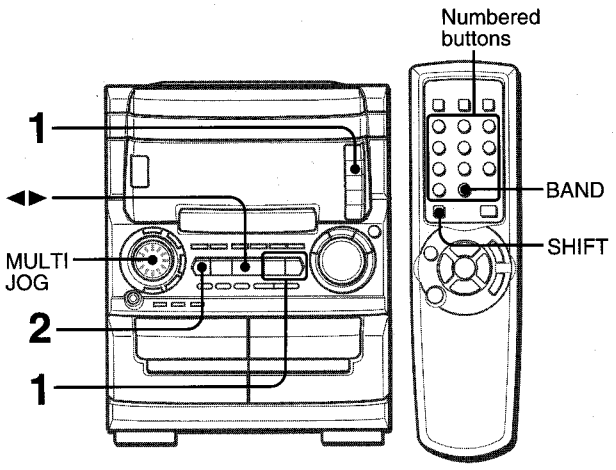
When an FM stereo broadcast contains noise
Press **MONO TUNER** on the remote control while pressing **SHIFT** so that "MONO" lights up on the display.
Noise is reduced, although reception is monaural.
To restore stereo reception, press this button until "MONO" disappears.

To change the AM tuning interval
The default setting of the AM tuning interval is 10 kHz/step. If you use this unit in an area where the frequency allocation system is 9 kHz/step, change the tuning interval.
Press **POWER** while pressing **TUNER BAND**.
To reset the interval, repeat this procedure.

NOTE

When the AM tuning interval is changed, all preset stations are cleared. The preset stations have to be set again.

PRESETTING STATIONS

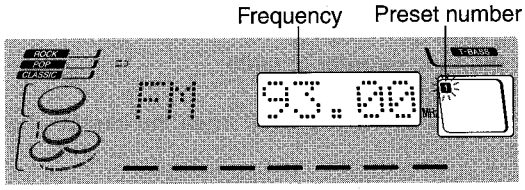


The unit can store a total of 32 preset stations. When a station is stored, a preset number is assigned to the station. Use the preset number to tune in a preset station directly.

***1* Press TUNER BAND button to select a band, and press ◄◄ or ►► to select a station.**

***2* Press ❚❚ to store the station.**

A station is assigned a preset number for each band in consecutive order beginning from 1.



***3* Repeat steps 1 and 2.**

The next station will not be stored if a total of 32 preset stations have already been stored.

If you try prestting more than 32 stations, "PRST FULL" is displayed.

PRESET STATION TUNING

***1* Press TUNER BAND to select a band.**

***2* Press ◄► or turn MULTI JOG.**

Each time the button is pressed, the next ascending preset number is selected.

Tuning by preset number

1 Press **BAND** on the remote control while pressing **SHIFT** to select a band. (Or, use **TUNER BAND** on the main unit.)

2 Press the numbered buttons on the remote control to select a preset number:

Example:

To select preset number 10, press the +10 and 0 buttons.

To select preset number 15, press the +10 and 5 buttons.

To clear a preset station

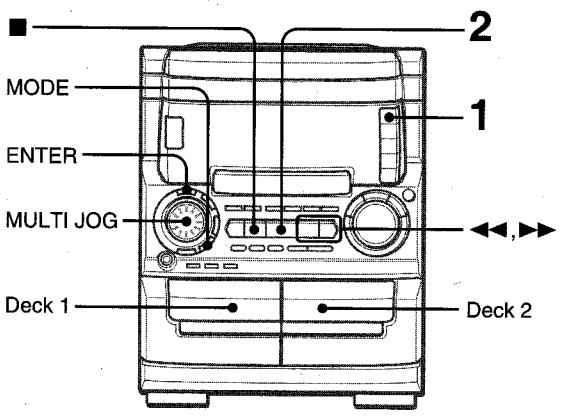
Select the preset number of the station to be cleared. Then, press ■, and press ❚❚ within 4 seconds.

The preset numbers of all other stations in the band with higher numbers are also decreased by one.

NOTE

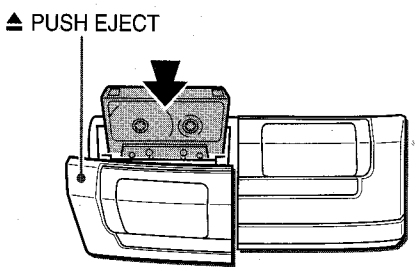
If there is a long period of power failure or disconnection of AC cord, the presetting of the stations is canceled. In this case, preset again.

BASIC OPERATIONS



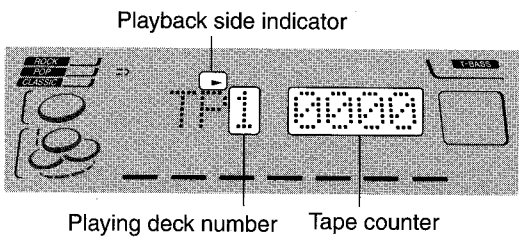
- On deck 1, tapes are always played back on both sides.
- On deck 2, you can select a reverse mode to play back one or both sides.

1 Press TAPE and press ≙ PUSH EJECT to open the cassette holder.



Insert a tape with the exposed side down. Push the cassette holder to close.

2 Press ◄► to start play.



►: The front side is being played (forward).
◄: The back side is being played (reverse).

Types of tape

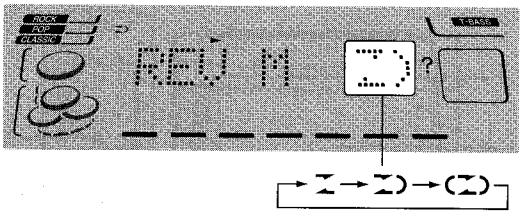
This unit was designed for optimal playback of Type I (normal) tapes.

NOTE

Type II tapes can also be played back in this unit. When playing back a Type II tape, turn **MULTI JOG** to display "SOFT" in the display window. This will set the optimum playback sound for Type II tapes. However, "SOFT" playback will be canceled if the graphic equalizer is selected (page 7), the unit is switched to a different audio source, the cassette holder is opened, or when the power is turned off.

To select a reverse mode (deck 2 only)

1 Press **MODE** repeatedly until "Deck 2 MODE?" is displayed.
2 Within 10 seconds, press **ENTER**, then turn **MULTI JOG** to select the reverse mode.



To play one side only, select "⇉".
To play from front side to reverse side once only, select "⇉)".
To play both sides repeatedly, select "(⇉)".

3 Within 10 seconds, press **ENTER** again.

When tapes are loaded in both decks

Press **TAPE DECK 1/2** first to select a deck.
The selected deck number is displayed.

To stop play, press ■.
To pause play (deck 2 only), press ❚❚. To resume play, press again.
To fast forward or rewind, press ◄◄ or ►►. Then press ■ to stop the tape.

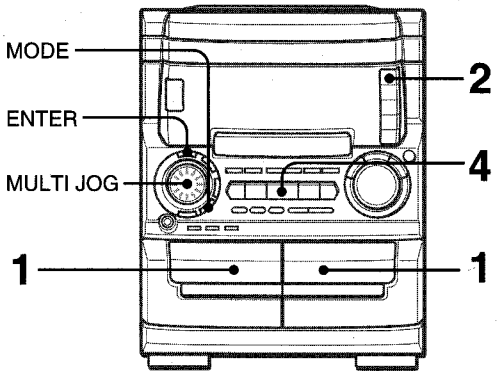
To start play when the power is off (Direct Play Function)

When the tape is loaded, press **TAPE DECK 1/2**. The power is turned on and play of the inserted tape begins.

To set the tape counter to 0000

Press ■ in stop mode.
The counter is also set to 0000 when the cassette holder is opened.

CONTINUOUS PLAY



After playback on one deck finishes, the tape in the other deck will start to play without interruption.

***1* Insert tapes into deck 1 and deck 2.**

***2* Press TAPE DECK1/2 to select the deck to be played back first.**

***3* Set the reverse mode to "⇄".**

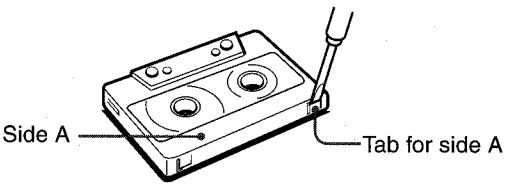
1 Press **MODE** repeatedly until "Deck 2 MODE?" is displayed.
2 Within 10 seconds, press **ENTER**, then select "⇄" with **MULTI JOG**.
3 Within 10 seconds, press **ENTER** again.

***4* Press ◄► to start playback.**

Playback continues until ■ is pressed.

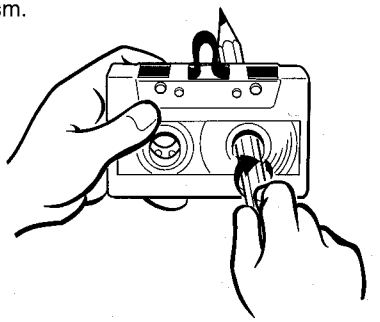
About cassette tapes

- **To prevent accidental erasure**, break off the plastic tabs on the cassette tape after recording with a screwdriver or other pointed tool.



To record on the tape again, cover the tab openings with adhesive tape, etc.

- **120-minute or longer tapes** are extremely thin and easily deformed or damaged. They are not recommended.
- **Take up any slack in** the tape with a pencil or similar tool before use. Slack tape may break or jam in the mechanism.



Before playing or recording on a disc, read this section thoroughly.

USABLE DISCS

TYPES OF DISCS

• CD-R and CD-RW Discs

For recording and playback you can use the CD-R and CD-RW discs with the following logos:

A CD-R disc cannot be erased, while a CD-RW disc can be erased and recorded repeatedly.
A finalized CD-R disc can be played back on conventional CD players as well. A CD-RW disc can be played back only on CD-RW players.

DISC	RECORDING	PLAYBACK
CD-R	Can be recorded, but not be erased .	Can be played on conventional CD players.
CD-RW	Can be erased and recorded repeatedly.	Can be played only on CD-RW players.

• Conventional Music CDs

Discs with the following logo can be played back on this unit, but no recordings can be made on them.

When you load a CD-R, CD-RW or any other disc that is not compatible with this unit, "Disc err" or "NO AUDIO" may appear on the display to warn you that the disc cannot be used in this unit for recording.

CAUTION

Do not open and close the CD-R/RW tray unnecessarily with a non-finalized CD-R disc inside. For the reason why, see "OPC" on the right column.

WARNING

Digital recording capabilities this unit provides you with are only for personal use.
Dubbing copyrighted material without permission of the copyright owner is a violation of the copyright laws.

TERMS AND FEATURES

• FINALIZATION

Finalization is the process of embedding a Table Of Contents (TOC) on a CD-R or CD-RW on which recording is completed. This process enables a CD-R and CD-RW to be played back on the 3 CD changer of this unit or any other conventional CD players. (CD-RW discs, however, can be played only on CD-RW players.)
See "FINALIZATION" on page 23 for details.

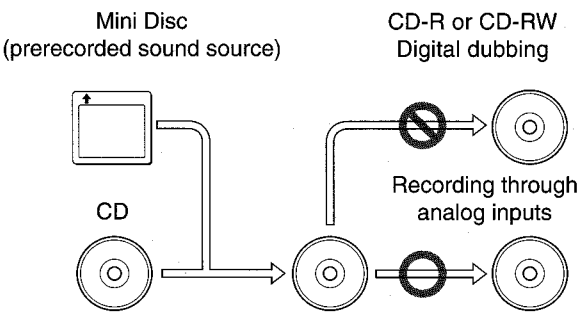
• OPC (Optimum Power Control)

When a non-finalized CD-R or CD-RW is loaded on the CD-R/RW tray, OPC determines the intensity of the recording laser beam that is best for the currently loaded disc. OPC can run only limited number of times(500 times) on a non-finalized CD-R. Therefore, do not open and close the CD-R/RW tray unnecessarily when a CD-R is loaded.
When a CD-R approaches its OPC limit, "OPC Full" is displayed. While this message is on, you cannot remove the disc unless you finalize it. (If you press ⏏CD-R OPEN/CLOSE, "FINALIZE ?" is displayed.) See "FINALIZATION" on page 23 and finalize the disc.
OPC does not run on a finalized disc.

• SCMS (Serial Copy Management System)

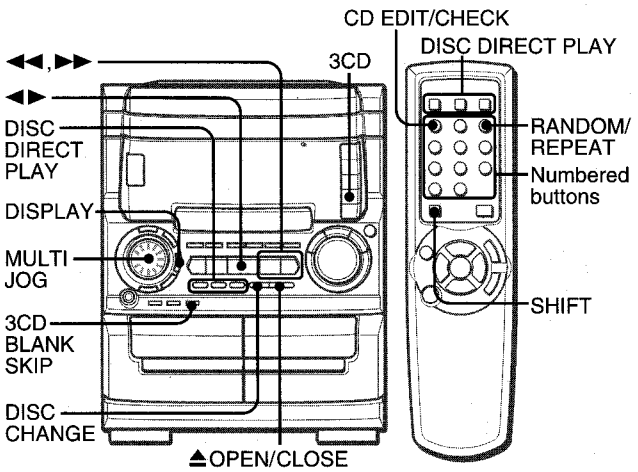
When digital recording is attempted from recorded material with copyrights, digital dubbing cannot be performed to a CD-R or CD-RW from another disc recorded in digital because of the built-in record restriction function which complies with the SCMS standard.

SCMS is the standard to restrict single digital dubbing between digital audio systems thus protecting copyrights.



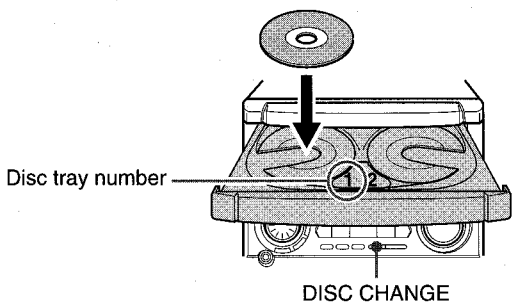
BASIC OPERATIONS

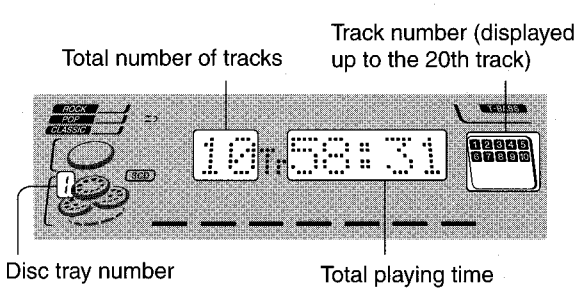
The 3 CD Changer of this unit can play a Conventional Music CD, a CD-R and CD-RW.
However, a CD-R and CD-RW which are not finalized* cannot be played back.
Use the CD-R/RW to play a non-finalized CD-R and CD-RW.(Page 16)
* See "FINALIZATION" on page 23.



LOADING DISCS

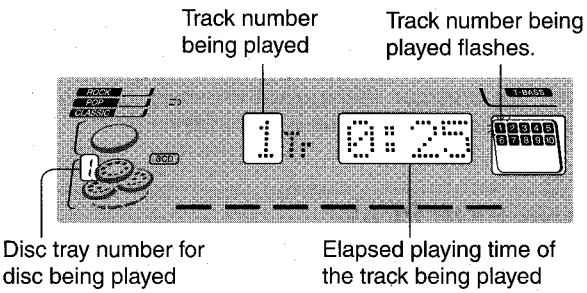
Press 3CD, then press ▲ OPEN/CLOSE to open the 3CD chenger compartment. Load disc(s) with the label side up.
To play one or two discs, place the discs on tray 1 and 2.
To play three discs, press **DISC CHANGE** to rotate the trays after placing two discs. Place the third disc on tray 3.
Close the disc compartment by pressing **▲ OPEN/CLOSE**.





PLAYING DISCS

Load discs.
To play all discs in the disc compartment, press ◄►.
Play begins with the disc on tray 1.



To play one disc only, press DISC DIRECT PLAY 1-3.
The selected disc is played once.

To stop play, press ■.
To pause play, press ❚❚. To resume play, press again.
To search for a particular point during playback or in pause mode, keep ◄◄ or ►► pressed and release it at the desired point.
To skip to the beginning of a track, press ◄◄ or ►► repeatedly or turn **MULTI JOG** until the desired track is displayed.
To remove discs, press **▲ OPEN/CLOSE**.

To start play when the power is off (Direct Play Function)
Press **3CD** when the disc (s) is (are) loaded. The power is turned on and play of the loaded disc(s) begins.
When **▲ OPEN/CLOSE** is pressed, the power is also turned on.

To check the remaining time
During playback or in pause mode, press **DISPLAY** on the unit or press **CD EDIT/CHECK** on the remote control while pressing **SHIFT**. The amount of time remaining until all tracks finish playing is displayed. To restore the elapsed playing time display, repeat the above.

Selecting a track directly with the remote control
1 Press **DISC DIRECT PLAY 1-3** to select a disc tray number.
2 Press numbered buttons **0-9**, and **+10** to select a track.
Example:
To select the 25th track, press **+10** twice and **5**.
To select the 10th track, press **+10** and **0**.
The selected track starts to play and playback continues to the end of that disc.

NOTE

If you press +10, press next numbered button within 4 seconds.

Replacing discs during play
While one disc is playing, the other discs can be replaced without interrupting play.
1 Press **DISC CHANGE**.
2 Remove the discs and replace with other discs.
3 Press **▲ OPEN/CLOSE** to close the disc compartment.

NOTE

- The 3 CD Changer cannot play a non-finalized CD-R or CD-RW.
- When loading an 8-cm (3-inch) disc, put it on the inner circle of the tray.
- Do not place more than one compact disc on one disc tray.
- Do not tilt the unit with discs loaded. Doing so may cause malfunctions.
- Do not use irregular shape discs (example: heart-shaped, octagonal ones). It may result in malfunctions.

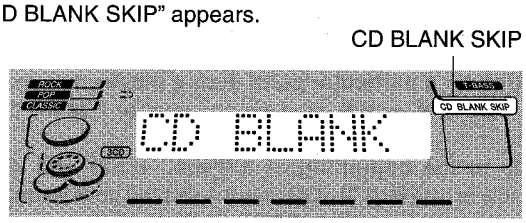
BLANK SKIP PLAY

The silent portions between the tracks recorded on a disc can be skipped during playback.

- Blank skip play may not function with some discs.

1 Press 3CD BLANK SKIP.

"CD BLANK SKIP" appears.



2 Start playback.

If the last of the track fades out (ends with the sound gradually decreasing), the fadeout portion also will be skipped.

To return to normal playback

Press **3CD BLANK SKIP** again, and "CD BLANK SKIP" will disappear.

NOTE

- Be sure to deactivate the blank skip function when performing AI EDIT recording (page28), PROGRAMMED EDIT recording (page29), or the recording of programmed playback (page15).
- BLANK SKIP PLAY cannot perform on the CD-R/RW.

RANDOM/REPEAT PLAY

Use the remote control.

RANDOM play

All the tracks on the selected disc or all the discs can be played randomly.

- You cannot perform random play of the programmed tracks.

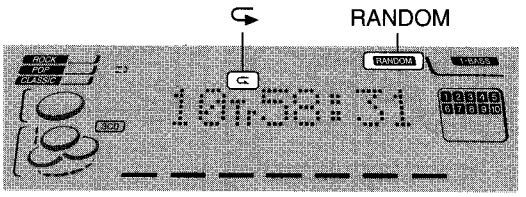
REPEAT play

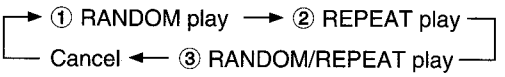
A single disc or all the discs can be played repeatedly.

- You can also repeat the programmed tracks.

Press RANDOM/REPEAT repeatedly while pressing SHIFT.

Each time it is pressed, the function is selected cyclically.





① "RANDOM" lights up on the display.
② "↻" lights up on the display.
③ "RANDOM" and "↻" light up on the display.

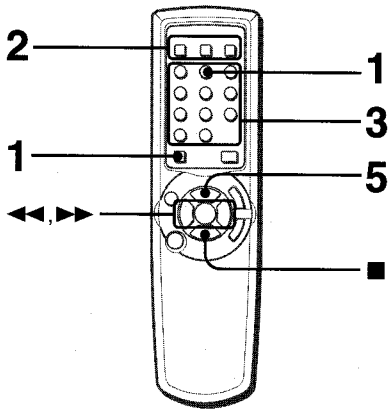
To play all discs, press ◄► to start play.
To play a single disc, press **DISC DIRECT PLAY 1-3**.

NOTE

- During random play, the following operations are not possible:
  - to select the tracks directly with the numbered buttons. The random play will be canceled.
  - to skip to the previously played track with ◄◄ or **MULTI JOG**.
- RANDOM PLAY cannot perform on the CD-R/RW.

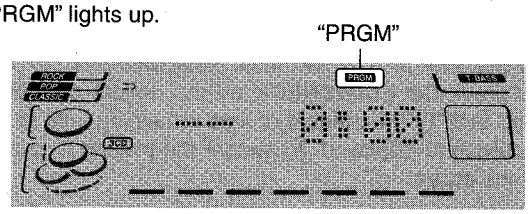
PROGRAMMED PLAY

Up to 30 tracks can be programmed from any of the inserted discs.



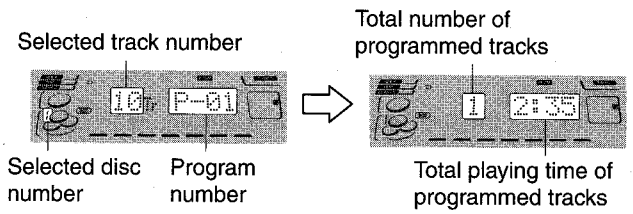
Use the remote control.

***1* Press PRGM while pressing SHIFT in stop mode.**
"PRGM" lights up.



***2* Press DISC DIRECT PLAY 1-3 to select a disc.**

***3* Press numbered buttons 0-9 and +10 to program a track.**
Example:
To select the 25th track, press **+10** twice and **5**.
To select the 10th track, press **+10** and **0**.



***4* Repeat steps 2 and 3 to program other tracks.**

***5* Press ◄► to start play.**

To check the program
Each time ◄◄ or ►► is pressed in stop mode, a track number and a program number will be displayed.

To clear the program
Press ■ in stop mode. The program will be also cleared when you open the disc compartment.

To add tracks to the program
Repeat steps 2 and 3 in stop mode. The track will be programmed after the last track.
- If you attempt to program more than 30 tracks, "PRGM FULL" is displayed.

To change the programmed tracks
You cannot change the order of programmed tracks. Clear the program by pressing ■ and repeat all the steps again.

To play the programmed tracks repeatedly
After programming the tracks, press **RANDOM/REPEAT** repeatedly while pressing **SHIFT** until "↻" appears on the display.

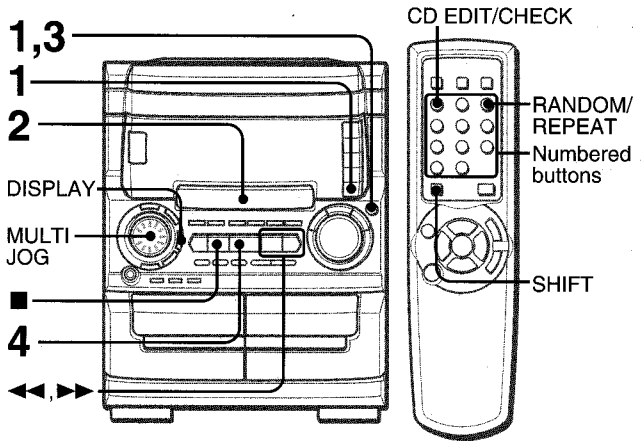
NOTE

- During programmed play, you cannot select the tracks directly with the numbered buttons. "Can't USE" will be displayed.
- In the following cases, the total playing time of programmed tracks is displayed "--:--", which means you cannot check the total playing time of programmed tracks, but the programmed tracks are still registered in memory.
  - the total playing time of programmed tracks exceeds 99 minutes 59 seconds.
  - you selected a track having a track number more than 30.

BASIC OPERATIONS

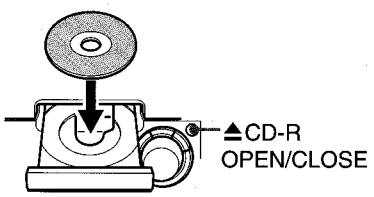
The CD-R/RW of this unit can play a Conventional Music CD, a CD-R and CD-RW, whether the CD-R and CD-RW are finalized* or not.

* See "FINALIZATION" on page 23.



***1* Press CD-R/RW and press ▲ CD-R OPEN/CLOSE to open the CD-R/RW compartment .**

***2* Load a disc on the CD-R/RW tray with the label side up .**

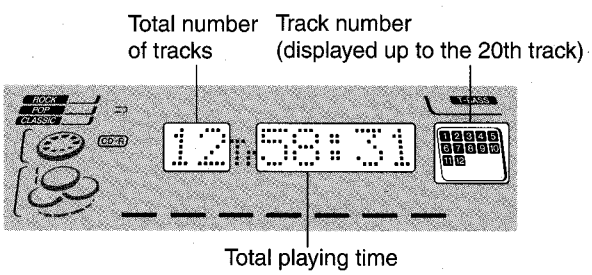


***Do not load a 3-inch (8-cm) disc.**

***3* Press ▲ CD-R OPEN/CLOSE to close the CD -R/RW compartment .**

"TOC READ" is displayed. Wait until this message disappears and then proceed to the next step.

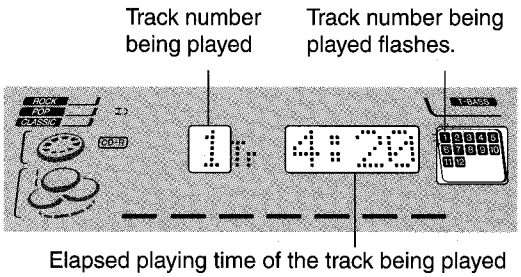
Display in stop mode



***4* Press ◄►.**

Play begins.

Display in playback mode



To stop play, press ■.
To pause play, press ❚❚. To resume play, press again.
To search for a particular point during playback or in pause mode, keep ◄◄ or ►► pressed and release the button at the desired point.
To skip to the beginning of a track, press ◄◄ or ►► repeatedly or turn **MULTI JOG** until the desired track is displayed.
To remove a disc, press ▲ **CD-R OPEN/CLOSE**.

To start play when the power is off (Direct play function)
Press **CD-R/RW** when the disc is loaded. The power is turned on and play of the loaded disc begins.

To select a track directly with the remote control
Press numbered buttons **0-9** and **+10**.

Example:
To select the 25th track, press **+10** twice and **5**.
To select the 10th track, press **+10** and **0**.
The selected track starts to play and playback continues to the end of that disc.

NOTE

If you press +10, press next numbered button within 4 seconds.

To check the remaining time
During playback or in pause mode, press **DISPLAY** on the main unit or press **CD EDIT/CHECK** on the remote control while pressing **SHIFT**. The amount of time remaining until all tracks finish playing is displayed. To restore the playing time display, repeat the above.

NOTE

- When the CD-R/RW compartment is closed with a disc loaded, "TOC READ" is displayed first. While this message is on, all the buttons for CD/CD-R/RW operation, such as ◄►, are inoperative.
- When attempting to play a non-finalized CD-R or CD-RW on the CD-R/RW, there may be a case where the disc cannot be played if the disc is not recorded with this unit.
- Do not place more than one compact disc on one disc tray.
- Do not tilt the unit with discs loaded. Doing so may cause malfunctions.
- Do not use irregular shape discs (example: heart-shaped, octagonal ones). It may result in malfunctions.
- Do not turn the unit off when a disc is inside the CD-R/RW compartment.

REPEAT PLAY

Use the remote control.

REPEAT play
All the tracks on the loaded disc can be played repeatedly.

Press RANDOM/REPEAT while pressing SHIFT to display "⮌".

NOTE

Programmed play, BLANK SKIP PLAY, and RANDOM PLAY cannot perform on the CD-R/RW.

NOTE

- **Never turn the unit off by pressing POWER or disconnecting the AC cord during recording process.**
  Doing so even by accident or power failure damages the disc and it may no longer be restored.
  (To restore a damaged CD-RW, see "ERASING RECORDINGS ON A CD-RW" on page 24)
- Do not turn the unit off when a disc is inside the CD-R/RW compertment.
- The shortest possible length of recording is standardized to 4 seconds. So, you cannot terminate recording before the first 4 seconds are up. During this interval, pressing ■ or ❚❚ has no effects.
- Additional recordings are added in sequence to the end of the last track if the remaining time on the disc is long enough.
- Up to 99 tracks can be recorded on a single disc.
- Do not tilt the unit with a disc loaded. Doing so may cause malfunction.
- During recording with **3CD►** or **SINGLE►**, ❚❚ cannot be used.
- If there is a blank section lasting more than 1 minute in the source to be recorded, recording automatically stops.

Auto Finalizing Recording

Auto Finalizing Recording automatically finalize* a CD-RW right after recording is completed, and it is applicable only to CD-RW. **3CD► AUTO F.(RW)** is the button for Auto Finalizing Recording.

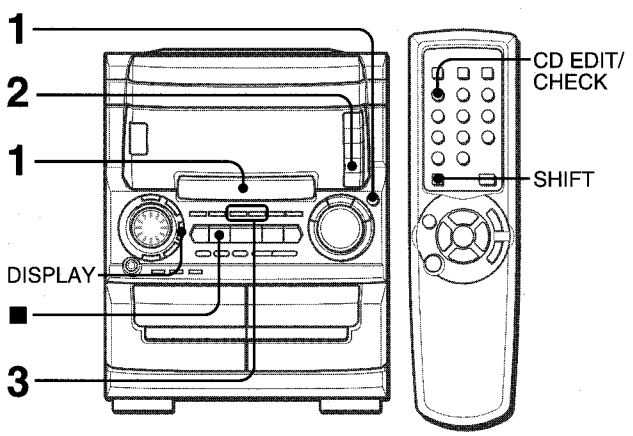
* See "FINALIZATION" on page 23.

Manual Finalizing Recording

Manual Finalizing Recording performs only recording, and it is applicable to both a CD-R and CD-RW.

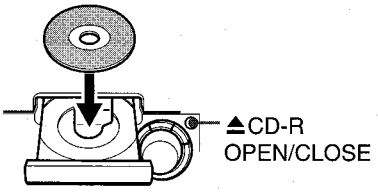
(3CD►, SINGLE►, ●) MANUAL F. are the button for Manual Finalizing Recording.

RECORDING A WHOLE CD



1 Load a CD-R or CD-RW on the CD-R/RW tray.

Load the disc with the label side up. To open or close the CD-R/RW compertment, press ≜CD-R OPEN/CLOSE.



***Do not load a 3-inch (8-cm) disc.**

2 Press 3 CD and load a CD to be recorded on the 3 CD Changer tray 1.

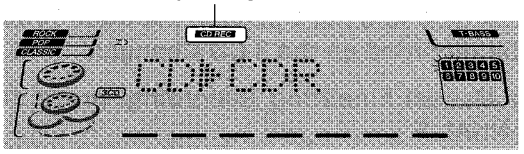
3 For Manual Finalizing Recording, press 3CD► MANUAL F.

For Auto Finalizing Recording (only for a CD-RW), press 3CD►AUTO F. (RW).

If "SET UP" flashes when you press the button, wait until this message disappears and then press it again.

Recording starts.

CD REC



During recording, display changes to the elapsed playing time. When the last track of the CD finishes playing, the recording stops automatically and then the Finalization starts if Auto Finalizing Recording is selected in step 3.

When the recording finishes, red light above the CD-R/RW tray flashes and the data concerning the contents of the recording are registered.

* However, red light does not flash in Dimmer 3 mode (page 33)

Digital recording is performed by pressing **3CD►** or **SINGLE ►**. For analog recording, see page 21 and 22.

To check the remaining recordable time of the CD-R or CD-RW before recording starts

Press **CD-R/RW**, then press **CD EDIT/CHECK** on the remote control while pressing **SHIFT**. Or, press one of the function buttons except **CD-R/RW**, then press **DISPLAY** on the main unit. The remaining recordable time is displayed for 4 seconds.

To stop recording halfway

Press ■. The recording stops.
To stop playing the CD, press ■ again.

Registering index marks automatically

The track order information in the original CD will be copied as the track marks.

To record on a previously recorded CD-R or CD-RW

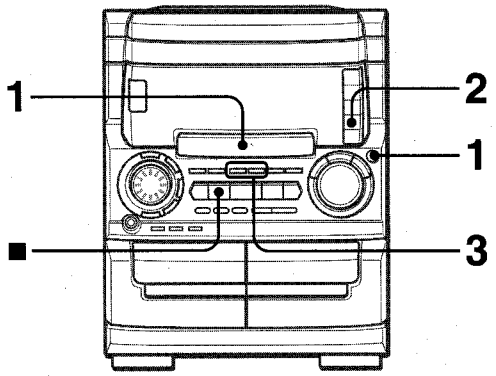
If there is an unrecorded section left on the CD-R or CD-RW, the new recording automatically starts from where the previous recording finished. If you want to start recording from the beginning of a previously recorded CD-RW, erase the previous recording completely. (See page 24.)

NOTE

You can change from Auto Finalizing Recording to Manual Finalizing Recording if you press **3CD►MANUAL F.** before recording is completed. To do vise versa, press **3CD►AUTO F.(RW)** likewise.

En

RECORDING ONLY ONE TRACK



1 **Load a CD-R or CD-RW on the CD-R/RW tray.**
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≜CD-R OPEN/CLOSE.

2 **Press 3CD and start playing the track of the CD to be recorded on the 3 CD Changer.**

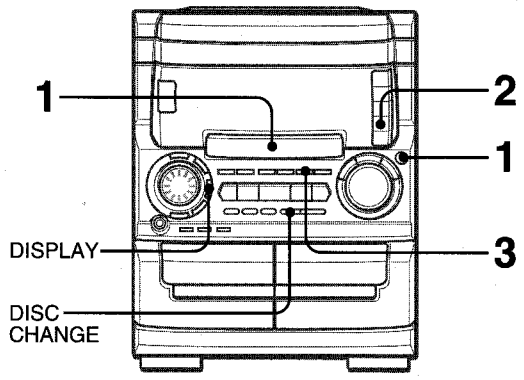
3 **For Manual Finalizing Recording, press 3CD► MANUAL F.**
For Auto Finalizing Recording(only for a CD-RW), press 3CD►AUTO F.(RW).
If "SET UP" flashes when you press the button, wait until this message disappears and then press it again.
Recording starts.

CD playing returns to the beginning of the current playing track and recording begins.
When the selected track of the CD finishes playing, the recording stops automatically and then the Finalization starts if Auto Finalizing Recording is selected in step 3. The CD playback continues to the next track. To stop playing the CD, press ■.
When the recording finishes, red light above the CD-R/RW tray flashes and the data concerning the contents of the recording are registered.
* However, red light does not flash in Dimmer 3 mode (page 33)
• The track mark is registered automatically at the beginning of the track.

NOTE
You can change from Auto Finalizing Recording to Manual Finalizing Recording if you press one of the **3CD►MANUAL F.** before recording is completed. To do vise versa, press **3CD►AUTO F.(RW)** likewise.

AUTO FIRST TRACKS RECORDING OF CDS

Only the first tracks of the CDs on the 3CD changer trays are recorded continuously. You can keep recording continuously without interruption, if you press **DISC CHANGE** to replace the CDs during recording.



1 Load a CD-R or CD-RW on the CD-R/RW tray.

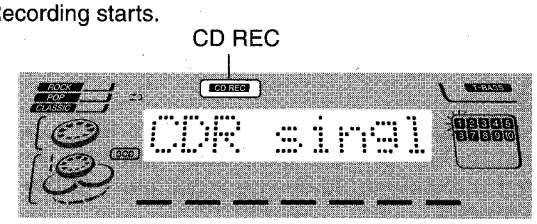
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≜CD-R OPEN/CLOSE.

2 Press 3CD and load CDs to be recorded on the 3 CD Changer trays.

3 Press SINGLE ►.

If "SET UP" flashes when you press the button, wait until this message disappears and then press it again.

Recording starts.



To replace CDs during recording, press **DISC CHANGE** and replace with other CDs. Then, press **DISC CHANGE** to close the disc compartment.

When recording finishes, red light above the CD-R/RW tray flashes and the data concerning the contents of the recording are registered.

* However, red light does not flash in Dimmer 3 mode (page 33)

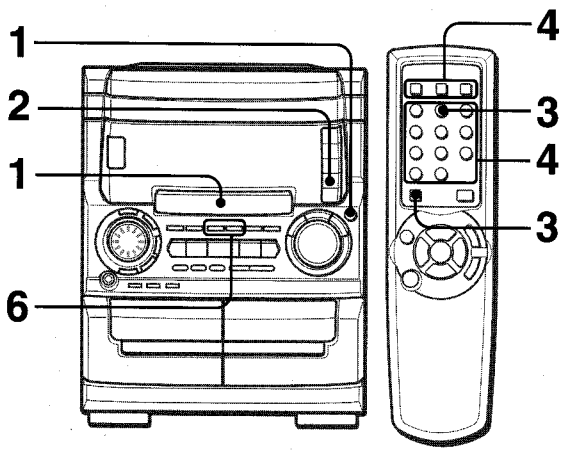
- The track mark is registered automatically at the beginning of the track.

NOTE

- Cancel programmed play of CD on the 3 CD Changer (page 15) when you perform the "auto first tracks recording". Otherwise, "auto first tracks recording" cannot be performed.
- When you perform the "auto first tracks recording", random or repeat play of CD on the 3 CD Changer is automatically canceled (page 14).

PROGRAMMED RECORDING OF CDS

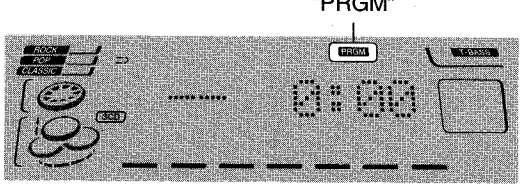
Up to 30 tracks can be programmed and recorded from any of the discs loaded on the 3CD Changer. For programming, see page 15.



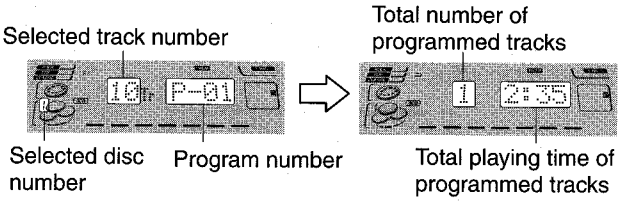
1 **Load a CD-R or CD-RW on the CD-R/RW tray.**
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≜CD-R OPEN/CLOSE.

2 **Press 3CD and load CDs to be recorded on the 3 CD Changer trays.**

3 **Press PRGM on the remote control while pressing SHIFT.**
"PRGM" is displayed.



4 **Press DISC DIRECT PLAY 1-3 to select a CD. Then, press numbered buttons 0-9 and +10 on the remote control to program a track.**



5 **Repeat step 4 to program other tracks.**

6 **For Manual Finalizing Recording, press 3CD ►MANUAL F.**
For Auto Finalizing Recording (only for a CD-RW), press 3CD►AUTO F.(RW).
If "SET UP" flashes when you press the button, wait until this message disappears and then press it again.
Recording starts.

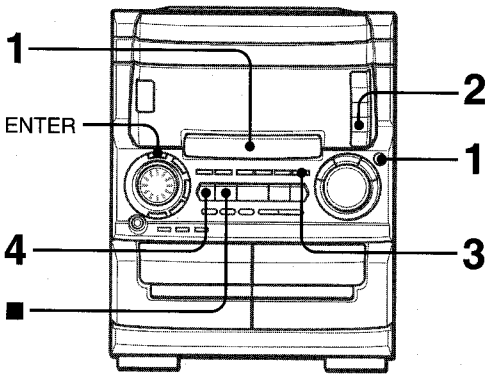
When the programmed tracks finish playing, the recording stops automatically and then the Finalization starts if Auto Finalizing Recording is selected in step 6.
When the recording finishes, red light above the CD-R/RW tray flashes and the data concerning the contents of the recording are registered.
* However, red light does not flash in Dimmer 3 mode (page 33)
• The track mark is registered automatically at the beginning of the track.

NOTE

You can change from Auto Finalizing Recording to Manual Finalizing Recording if you press **3CD►MANUAL F.** before recording is completed. To do vise versa, press **3CD►AUTO F.(RW)** likewise.

RECORDING THREE CDS CONTINUOUSLY

● **MANUAL F.** is used for recording. In this case, the sound of the CD is carried toward the CD-R or CD-RW as analog signals.



1 Load a CD-R or CD-RW on the CD-R/RW tray.

Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≜CD-R OPEN/CLOSE.

2 Press 3CD and load CDs to be recorded on the 3 CD Changer trays.

3 Press ● MANUAL F.

Unit enters the standby mode. Wait until "CDR REC" or "CDRW REC" disappears and then proceed to the next step.

4 Press ❚❚ to start recording.

It will take a few seconds before actual recording starts.
When all the CDs on the trays finish playing, the recording stops automatically.

To stop recording

Press ■.
When the recording finishes, red light above the CD-R/RW tray flashes and the data concerning the contents of the recording are registered.
* However, red light does not flash in Dimmer 3 mode (page 33)

To add track marks during recording

Press **ENTER** at the desired point during recording. However, once an track mark is added, the next track mark cannot be added for 4 seconds.

Recording level

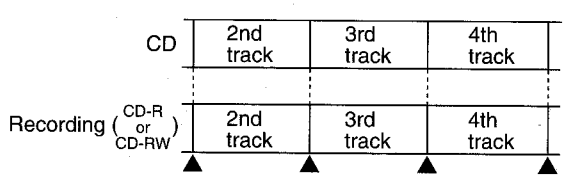
This unit sets the recording level automatically.

NOTE

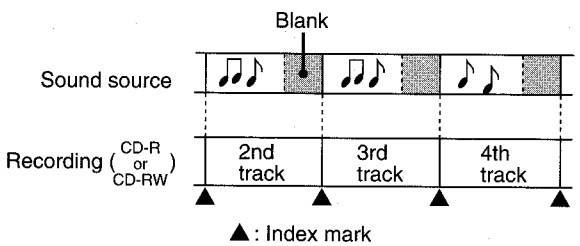
- You can not register index marks without registering track numbers.
- If you pause recording, the track number increases.
- After you press ❚❚ in step 4, it will take a few seconds before actual recording starts.

TRACK MARK

- When recording from a CD with **3CD►**or **SINGLE►**, the track mark information recorded on the CD is copied as it is.

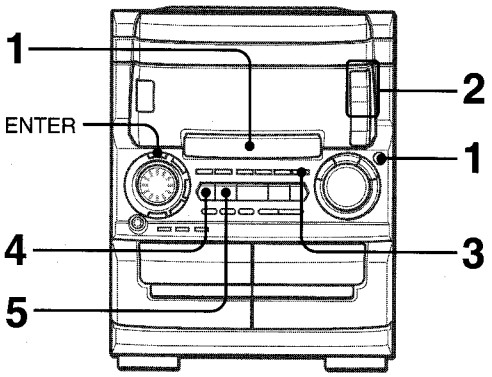


- When recording CDs or other sources with ● **MANUAL F.**, if there is a blank section lasting more than 4 seconds, an track mark is automatically registered when a sound signal is input in the following time.



*An track mark can be added manually by pressing **ENTER** when recording by either means above.

RECORDING FROM A TAPE, THE RADIO OR CONNECTED EQUIPMENT



1 Load a CD-R or CD-RW on the CD-R/RW tray.

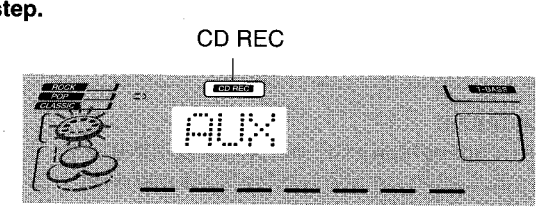
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≜CD-R OPEN/CLOSE.

2 Press one of the function buttons and prepare the source to be recorded.

- **To record from a tape**, press **TAPE** and insert a tape.
- **To record from the radio**, press **TUNER BAND** and tune in a station.
- **To record from a source equipment connected to DIGITAL IN jack on the rear**, press **AUX/D-IN** repeatedly until "D-IN" appears on the display.
- **To record from a source equipment connected to VIDEO/ AUX jacks on the rear**, press **AUX/D-IN** repeatedly until "AUX" appears on the display.

3 Press ● MANUAL F.

Unit enters the standby mode. Wait until "CDR REC" or "CDRW REC" disappears and then proceed to the next step.



4 Press ❚❚ to start recording.

It will take a few seconds before actual recording starts. To record from a connected equipment, set the equipment to playback mode.

5 Press ■ to stop recording.

When the recording finishes, red light above the CD-R/RW tray flashes and the data concerning the contents of the recording are registered.

* However, red light does not flash in Dimmer 3 mode (page 33)

To add track marks during recording

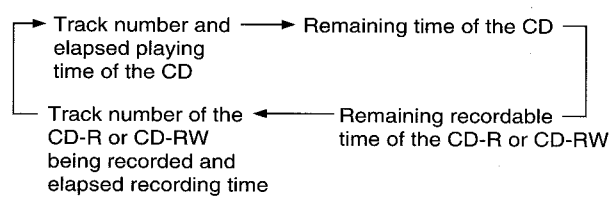
Press **ENTER** at the desired point during recording. However, once an track mark is added, the next track mark cannot be added for 4 seconds.

NOTE

- You cannot register index marks without registering track numbers.
- If you pause recording, the track number increases.
- After you press ❚❚ in step 4, it will take a few seconds before actual recording starts.

Display information during recording with 3CD► or ●MANUAL F.

When **DISPLAY** is pressed repeatedly during recording with the **3CD►** or **●MANUAL F.**, the display changes as follows.

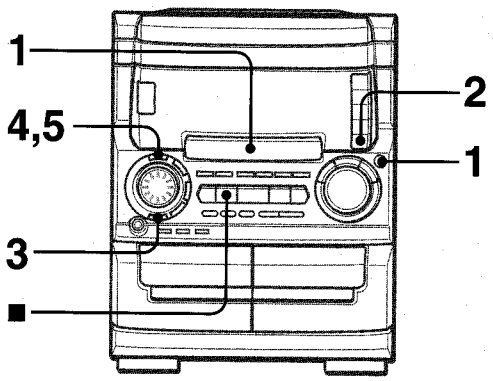


For further information, see page 32.

FINALIZATION

Finalization is the process of embedding a Table Of Contents (TOC) on a CD-R or CD-RW on which recording is completed. This process enables the CD-R and CD-RW to be played back on the 3 CD changer of this unit or any other conventional CD players. (CD-RW discs, however, can be played only on CD-RW players.)
Once finalized, a CD-R can no longer be recoded, while a CD-RW becomes recordable again if it is erased or unfinalized (see "ERASING RECORDINGS ON A CD-RW" on page 24).

Finalizing a CD-R or CD-RW



1 Load a CD-R or CD-RW on the CD-R/RW tray.

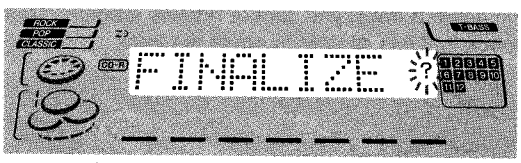
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≙CD-R OPEN/CLOSE.

2 Press CD-R/RW.

When "TOC READ" is displayed, wait until this message disappears and then proceed to the next step.

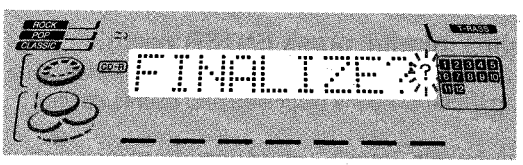
3 Press FINALIZE.

"FINALIZE ?" is displayed.



4 Within10 seconds, press ENTER.

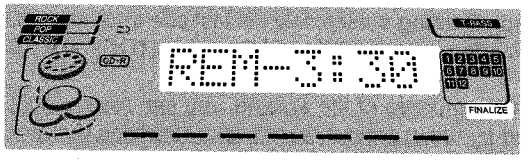
"FINALIZE ??" is displayed.



To cancel, press ■.

5 Within 1 minute, press ENTER to start finalization.

Approximate time until finalization is completed is displayed and counts down.



If finalizing process fails, "Check Disc" is displayed.
In such a case, see page 39.

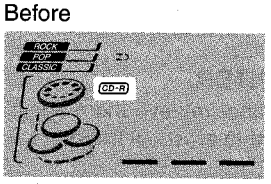
NOTE

- **Never turn the unit off by pressing POWER or disconnecting the AC cord during finalizing process.**
  Doing so even by accident or power failure damages the disc and it may no longer be restored.
  (To restore a damaged CD-RW, see "ERASING RECORDINGS ON A CD-RW" on page 24)
- Do not finalize the CD-R or CD-RW which is not recorded with this unit. Doing so may cause the finalizing process to be unsuccessfully completed.
- During finalizing process, all the buttons (except **POWER**) are inoperative.
- Dust or scratches on a disc may prevent it from being successfully finalized.

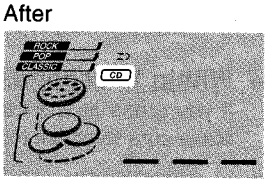
Before and after finalization, disc type indications on the display for a CD-R or CD-RW on the CD-R/RW change as follows. (The indications can be displayed only when the function is CD-R/RW)

CD-R

Before

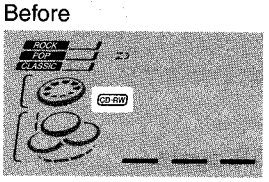


After

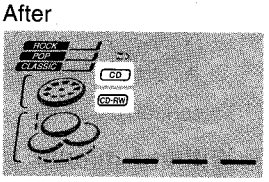


CD-RW

Before



After



* In case of Unfinalization of a CD-RW, the indications change vice versa.

En

ERASING RECORDINGS ON A CD-RW

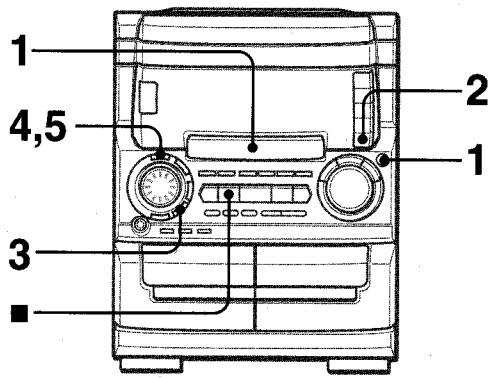
You can erase recordings on a CD-RW by following three means. (All these means are applicable only to a CD-RW. Recordings on a CD-R cannot be erased by any means.)
All Track Erasing erases all tracks on a CD-RW at a time.
Last Track Erasing erases only the last one track on a CD-RW.
Unfinalization erases a Table Of Contents (TOC) on a CD-RW.

Through the process of the erasing, you can restore a CD-RW damaged by unsuccessful recording or finalizing due to power interruption during the process.

- If Erasing process fails, "ERASE Err" is displayed. In such a case, see page 39.

ALL TRACK ERASING

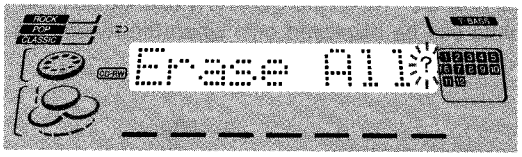
All Track Erasing erases all tracks on a CD-RW at a time and it erases a Table Of Contents (TOC) on the CD-RW as well if TOC is on the CD-RW (unfinalization).
After erasing, the CD-RW cannot be played back on the 3 CD changer of this unit or any other CD-RW players.



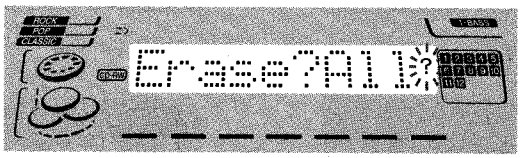
1 Load a CD-RW on the CD-R/RW tray.
Load the disc with the label side up. To open or close the CD-R/RW compertment, press ≜CD-R OPEN/CLOSE.

2 Press CD-R/RW.
When "TOC READ" is displayed, wait until this message disappears and then proceed to the next step.

3 Press MODE in stop mode repeatedly until "Erase All?" is displayed.



4 Within 10 seconds, press ENTER.
If you erase all the tracks, you cannot retrieve them again. Make sure to check that it is all right to erase all tracks.

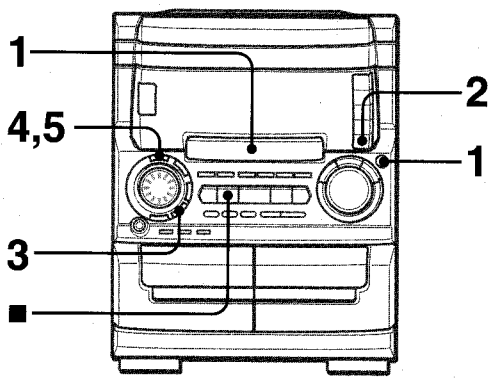


To cancel, press ■.

5 Within 1 minute, press ENTER again.
"ERASE" appears in the display, and approximate time until erasing is completed is displayed and counts down.

LAST TRACK ERASING

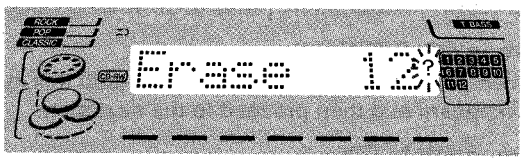
Last Track Erasing erases only the last one track on a CD-RW. In case of erasing a last track on a finalized CD-RW disc, unfinalize the disc first. You cannot erase a last track unless you unfinalize a finalized CD-RW.
After erasing, the CD-RW cannot be played back on the 3 CD changer of this unit or any other CD-RW players. To do that, finalize the CD-RW.



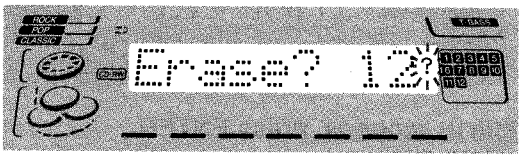
1 Load a CD-RW on the CD-R/RW tray.
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≜CD-R OPEN/CLOSE.

2 Press CD-R/RW.
When "TOC READ" is displayed, wait until this message disappears and then proceed to the next step.

3 Press MODE in stop mode repeatedly until "Erase ?" is displayed.
Example: To erase the 12th track of the last track



4 Within 10 seconds, press ENTER.
If you erase a track, you cannot retrieve it again. Make sure to check that it is all right to erase the track.



To cancel, press ■.

5 Within 1 minute, press ENTER again.
"ERASE" appears in the display, and approximate time until erasing is completed is displayed and counts down.

- Be sure by this means, you cannot erase any track other than the last track directly. For example, if you want to erase the 11th track of 12 tracks on a CD-RW, you have to erase the last (12th) track first, and then erase the target (11th) track. You cannot erase the 11th track without erasing the 12th track.

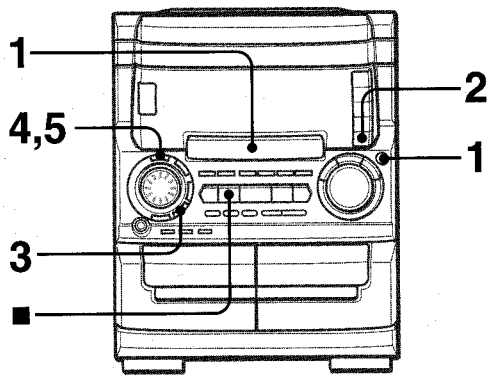
NOTE

- **Never turn the unit off by pressing POWER or disconnecting the AC cord during erasing process.**
  Doing so even by accident or power failure damages the disc and it may no longer be restored.
- During erasing process, all the buttons (except **POWER**) are inoperative.

UNFINALIZATION

Unfinalization is the process opposite to "Finalization", which erases a Table Of Contents (TOC) on a CD-RW.
Unlike Track Erasing , unfinalization does not erase any tracks on a CD-RW. The tracks will be kept intact.
This process enables a CD-RW to be recorded on again if there is enough recordable time.
Unfinalized CD-RW discs, however, cannot be played back on the 3 CD changer of this unit or any other CD-RW players. To do that, finalize the CD-RW.

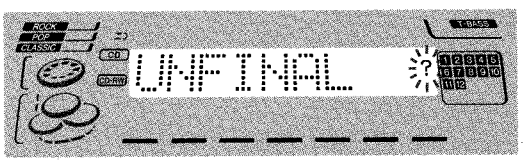
Unfinalizing a CD-RW



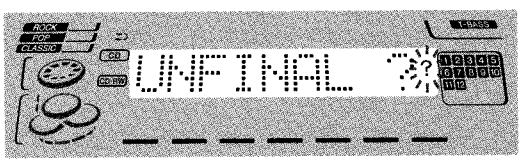
1 **Load a finalized CD-RW on the CD-R/RW tray.**
Load the disc with the label side up. To open or close the CD-R/RW compartment, press ≙CD-R OPEN/CLOSE.

2 **Press CD-R/RW.**
When "TOC READ" is displayed, wait until this message disappears and then proceed to the next step.

3 **Press MODE in stop mode repeatedly until "UNFINAL?" is displayed.**

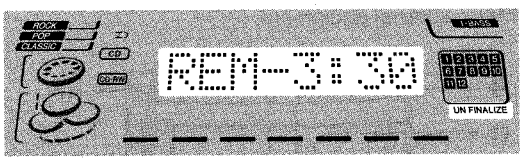


4 **Within 10 seconds, press ENTER.**
"UNFINAL??" is displayed.



To cancel, press ■.

5 **Within 1 minute, press ENTER to start unfinalization.**
Approximate time until unfinalization is completed is displayed and counts down.



If unfinalizing process fails, "Check Disc" is displayed.
In such a case, see page 39.

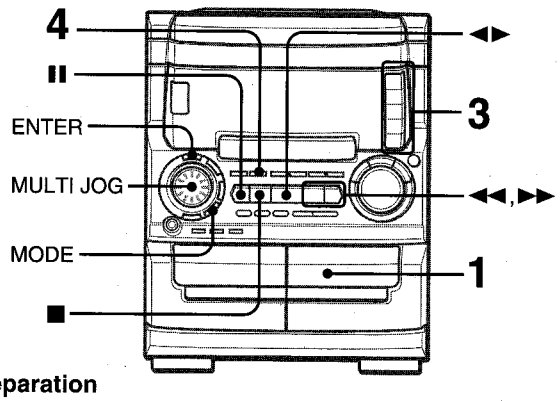
NOTE

- **Never turn the unit off by pressing POWER or disconnecting the AC cord during unfinalizing process.**
  Doing so even by accident or power failure damages the disc and it may no longer be restored.
- A CD-R cannot be unfinalized.
- Do not unfinalize the CD-RW which is not finalized with this unit.
  Doing so may cause the unfinalizing process to be unsuccessfully completed.
- During unfinalizing process, all the buttons (except **POWER**) are inoperative.
- Dust or scratches on a disc may prevent it from being successfully unfinalized.

En

BASIC RECORDING

This section explains how to record from a tape, the tuner, 3 CD, CD-R/RW or external equipment.

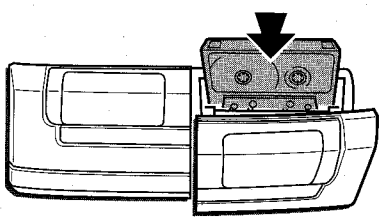


Preparation
Use Type I (normal) tapes only.

1 Insert the tape to be recorded on into deck 2.

Insert the tape with the side to be recorded on facing out from the unit.

- Set the tape to the point where recording will start with ◄►, ◄◄ or ►►, and stop the tape with ■.



2 Select the reverse mode using MODE, ENTER and MULTI JOG (page 10).

To record on one side only, select "⇄".
To record on both sides, select "⇄)" or "(⇄)".
When recording from a tape, the reverse mode is automatically set to "⇄". Note that recording will be done on one side of the tape only.

- When recording from the rear of the tape, the tape stops at the end of recording of the rear side, even if the reverse mode is set to "⇄)" or "(⇄)".

3 Press one of the function buttons and prepare the source to be recorded.

To record from a tape, insert the tape into deck 1, and press **TAPE DECK 1/2** to display "TP1". Set the tape to the point where recording will start with ◄►, ◄◄ or ►►, and stop the tape with ■.
To record from a disc in the 3 CD Changer, press **3CD** and load the disc (s) on the 3CD Changer tray (s). Then, select a track to be recorded first with ◄◄, ►► or **MULTI JOG**.
To record from a disc in the CD-R/RW, press **CD-R/RW** and loaded a disc on the CD-R/RW tray. Then, select a track to be recorded first with ◄◄, ►► or **MULTI JOG**.
To record from a radio broadcast, press **TUNER BAND** and tune in to a station.
To record from a connected source;

- To record from a source equipment connected to **DIGITAL IN** jacks on the rear, press **AUX/D-IN** repeatedly until "D-IN" appears on the display. (The recording is not made in digital.)
- To record from a source equipment connected to **VIDEO/ AUX** jacks on the rear, press **AUX/D-IN** repeatedly until "AUX" appears on the display.

4 Press ● TAPE REC/REC MUTE to start recording.

When the selected function is 3 CD or CD-R/RW, playback and recording start simultaneously.
To record from a connected source, begin the playback of that source.

To stop recording, press ■.
When recording from a disc, press ■ again to stop playback of the disc.
To pause recording, press **II**. (Applicable when the source is TUNER or AUX/D-IN.) To resume recording, press again.

Sound adjustment during recording
The output volume and tone of the speakers or headphones may be freely varied without affecting the recording.
Setting of T-BASS or graphic equalizer has no effect on recording.

To record desired tracks of a disc
Select tracks to be recorded by programmed play (page 15), and start recording.
In this case, set the blank skip play function to OFF (page 14).

INSERTING BLANK SPACES

4-second blank spaces can be inserted at the desired point during recording. (Applicable when the source is TUNER or AUX/D-IN.)

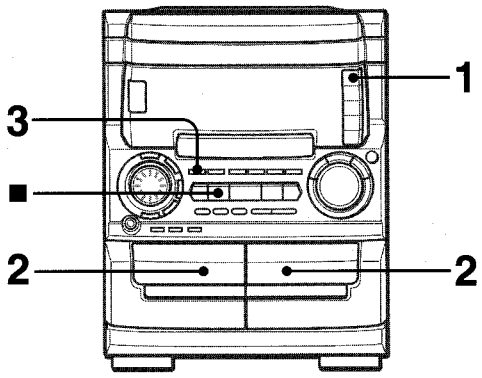
1 **Press ● TAPE REC/REC MUTE during recording or while in recording pause mode.**
"TAPE REC" on the display flashes for 4 seconds and the tape runs without recording. After 4 seconds, the deck enters the recording pause mode.
2 **Press II to resume recording.**

To insert a blank space of less than 4 seconds, press ● **TAPE REC/REC MUTE** again while "TAPE REC" is flashing.
To insert blank spaces of more than 4 seconds, after the deck enters recording pause mode, press ● **TAPE REC/REC MUTE** again. Each time the button is pressed, a 4-second blank space is added.

TO ERASE RECORDING

1 **Insert the tape to be erased in the deck 2.**
2 **Press TAPE to display "TP2" on the display window.**
3 **Set the tape to the point where erasing will start with ◄►, ◄◄ or ►►, and stop the tape with ■.**
4 **Press ● TAPE REC/REC MUTE to start erasing.**

DUBBING THE WHOLE TAPE



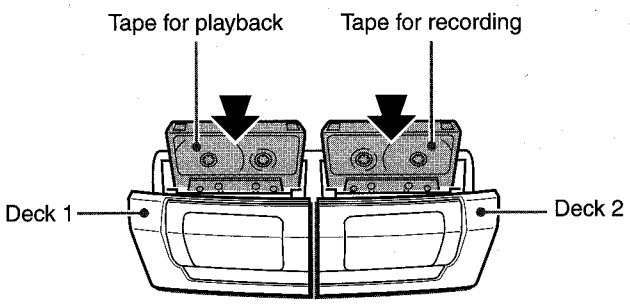
This function allows you to make exact copies of the original tape.

NOTE

- Use Type I (normal) tapes only.
- Prepare a tape of the same length as that of the original tape, or a tape longer than the original.
- Dubbing does not start from a point halfway in the tape.

1 **Press TAPE.**

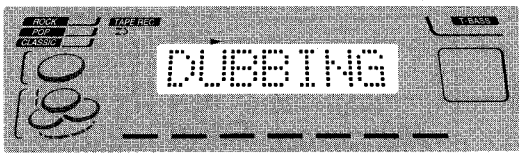
2 **Insert the original tape into deck 1 and the tape to be recorded on into deck 2.**



Insert each tape with the side to be played back or recorded on facing out from the unit.

3 **Press TAPE SYNC DUB to start recording.**

- The reverse mode is automatically set to "⇄" (recording on both sides).
- While recording, any of the buttons other than ■ are disabled.

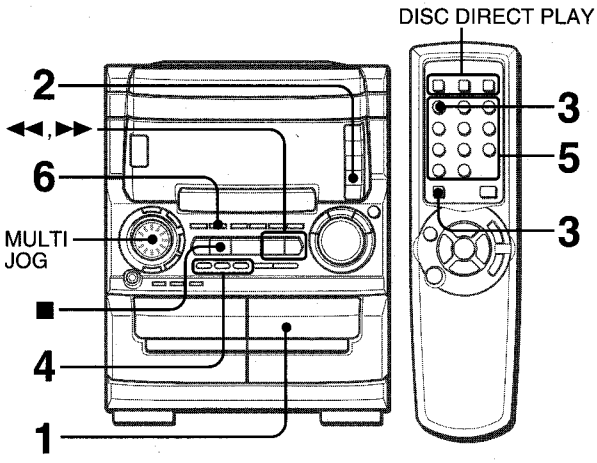


The tapes are rewound to the beginning of the front sides, and recording starts.

To stop dubbing

Press ■.

AI EDIT RECORDING



The AI edit function enables CD recording without worrying about tape length and track length. When a CD is inserted, the unit automatically calculates the total track length. If necessary, the track order is rearranged so that no track is cut short.
(AI: Artificial Intelligence)

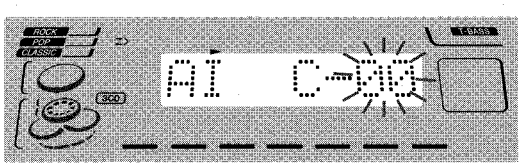
NOTE

- **Use Type I (normal) tapes only.**
- AI edit recording will not start from a point halfway into the tape. The tape must be recorded from the beginning of either side.
- Set the blank skip play function to OFF (page 14).

***1* Insert the tape into deck 2.**
Insert the tape with the side to be recorded on first facing out from the unit.

***2* Press 3 CD and load the disc(s) on the 3CD changer tray (s).**

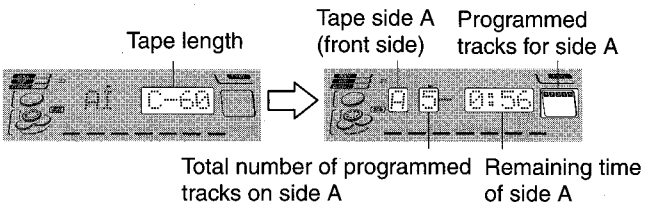
***3* Press CD EDIT/CHECK once on the remote control while pressing SHIFT.**
"AI" is displayed.



When "PRGM" is displayed, press **CD EDIT/CHECK** while pressing **SHIFT** again.

***4* Press DISC DIRECT PLAY 1-3 to select a disc.**

***5* Press numbered buttons 0-9 on the remote control to designate the tape length.**
10 to 99 minutes can be specified.
Example: When using a 60-minute tape, press **6** and **0**.
In a few seconds, the microcomputer programs the tracks to be recorded on each side of the tape.
- ◀◀ and ▶▶, or **MULTI JOG** on the main unit are also available to designate the tape length.



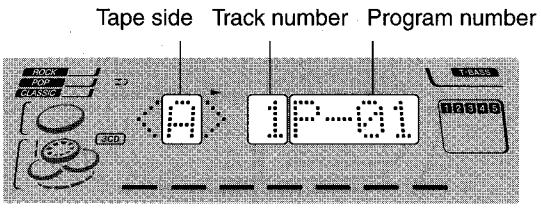
***6* Press ● TAPE REC/REC MUTE to start recording on the front side.**

The tape is rewound to the beginning of the front side, the lead segment is played through for 10 seconds, and recording starts. When recording on the front (side A) ends, recording on the back (side B) starts.

To stop recording
Press ■. Recording and the disc play stop simultaneously.

To clear the edit program
Press ■ twice in stop mode to return to the display of total playing time.

To check the order of the programmed track numbers
Before recording, press **CD EDIT/CHECK** on the remote control while pressing **SHIFT** to select side A or B, and press ▶▶ repeatedly.



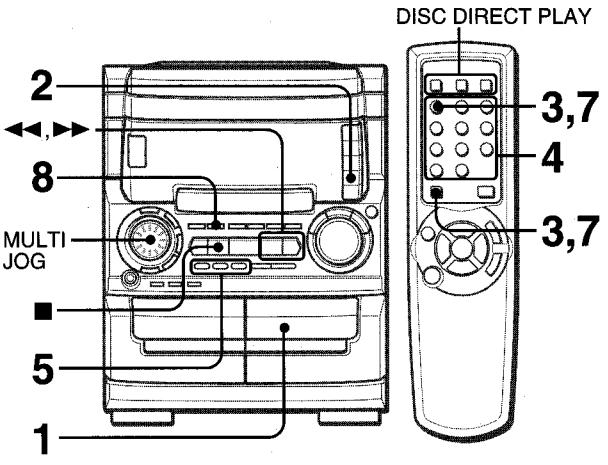
To add tracks from other discs to the edit program
If there is any time remaining on the tape after step 5, you can add tracks from other discs in the CD compartment.
1 Press **CD EDIT/CHECK** on the remote control while pressing **SHIFT** to select side A or B.
2 Press **DISC DIRECT PLAY 1-3** to select a disc.
3 Press numbered buttons **0-9** and **+10** on the remote control to select tracks. "PRGM" lights up.
A track whose playing time is longer than the remaining time cannot be programmed.
4 Repeat steps 2 and 3 to add more tracks.

Time on cassette tapes and editing time
The actual cassette recording time is usually a little longer than the specified recording time printed on the label. This unit can program tracks to use the extra time. When the total recording time is a little longer than the tape's specified recording time after editing, the display shows the extra time (without a minus mark), instead of the time remaining on the tape (with the minus mark).

NOTE

The AI edit function cannot be used with discs containing 31 tracks or more. "TR OVER" will be displayed.

PROGRAMMED EDIT RECORNG



Programmed edit function enables CD recording while checking the remaining time on each side of the tape as the tracks are programmed.

NOTE

- The programmed edit recording will not start from a point halfway in the tape. The tape must be recorded from the beginning of either side.
- Set the blank skip play function to OFF (page 14).
- You can record up to 30 tracks by programmed edit function.
- You can set up to 30th track numbers by programmed edit function.

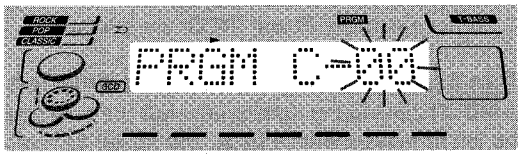
***1* Insert the tape for recording into deck 2.**

Insert the tape with the side to be recorded on first facing out from the unit.

***2* Press 3CD and load the disc(s) on the 3CD changer tray (s).**

***3* Press CD EDIT/CHECK twice on the remote control while pressing SHIFT.**

"PRGM" lights up.



When "AI" is displayed, press **CD EDIT/CHECK** while pressing **SHIFT** again.

***4* Press numbered buttons 0-9 on the remote control to designate the tape length.**

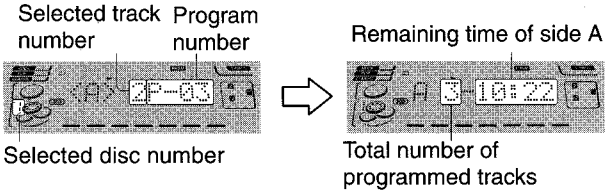
10 to 99 minutes can be specified.

- ◀◀ and ▶▶, or **MULTI JOG** on the main unit are also available to designate the tape length.

***5* Press DISC DIRECT PLAY 1-3 to select a disc. Then, press numbered buttons 0-9 and +10 to program a track.**

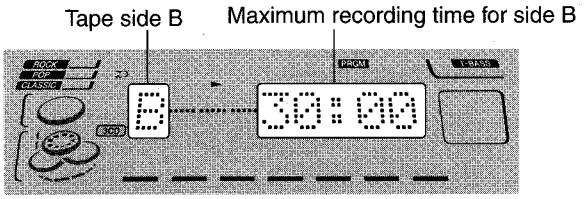
***6* Repeat step 5 for the rest of the tracks for side A.**

A track whose playing time is longer than the remaining time cannot be programmed.



***7* Press CD EDIT/CHECK on the remote control while pressing SHIFT to select side B and program the tracks for side B.**

After confirming "B" on the display, repeat step 5.



***8* Press ● TAPE REC/REC MUTE to start recording.**

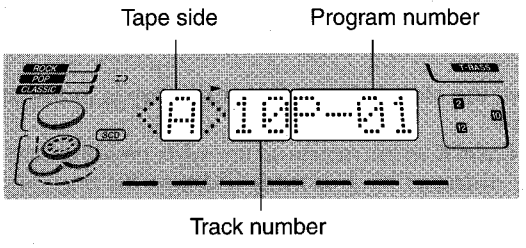
The tape is rewound to the beginning of the front side, the lead segment is played through for 10 seconds, and recording starts. When recording on the front (side A) ends, recording on the back (side B) starts.

To stop recording

Press ■. Recording and the disc play stop simultaneously.

To check the order of the programmed track numbers

Before recording, press ▶▶ repeatedly.



To change the program of each side

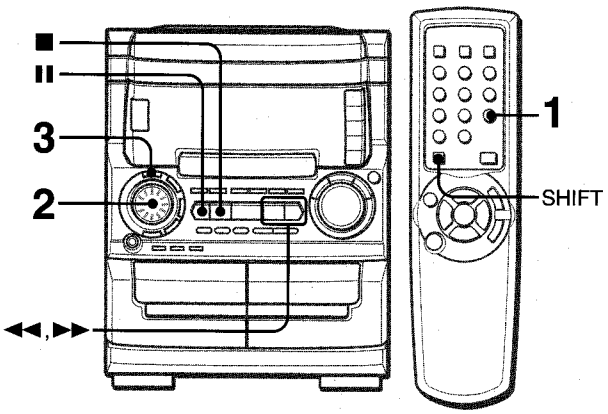
Press **CD EDIT/CHECK** on the remote control while pressing **SHIFT** to select side A or B, and press ■ to clear the program of the selected side. Then program the tracks again.

To clear the edit program

Press ■ twice in stop mode to return to the normal display.

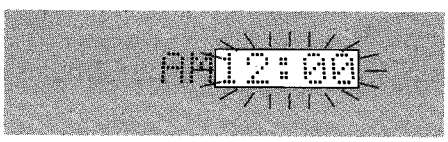
En

SETTING THE CLOCK



1 Press CLOCK on the remote control while pressing SHIFT. (You may press II when the power is off.)

The clock is displayed for 4 seconds.
When the clock setting is canceled due to a power failure, the entire clock display flashes.



To display the 24-hour standard, press ■. Press ■ again to restore the 12-hour standard.

2 While the clock is displayed (within 4 seconds), set the time.

Turn **MULTI JOG** to the right to advance the time and turn it to the left to move the time back. The speed with which the time changes varies according to how fast you turn **MULTI JOG**. You can also press ◀◀ or ▶▶. Holding these buttons down will vary the time in 10-minute units.

3 Press ENTER or II.

The clock display disappears.
If the power had been turned on, the original display will reappear.

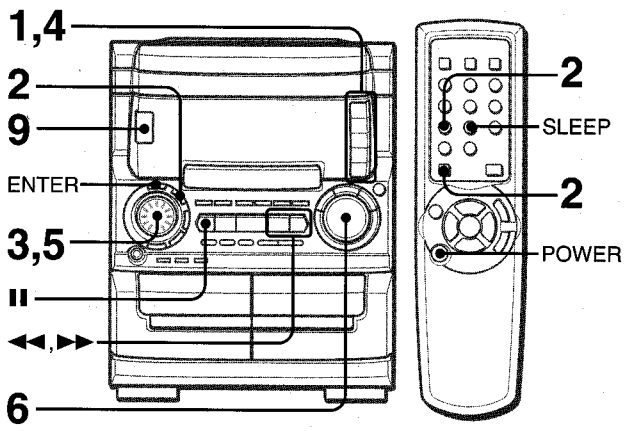
To view the clock when another display is in the display window

Press **CLOCK** on the remote control while pressing **SHIFT**. The time is displayed for 4 seconds and then the original display reappears.
However, the clock cannot be displayed during recording.

If the clock display flashes

If the display flashes when the clock is displayed, it indicates that the clock had been stopped due to a power failure or the removal of the power cord. The current time needs to be reset.

SETTING THE TIMER PLAYBACK AND TIMER RECORDING



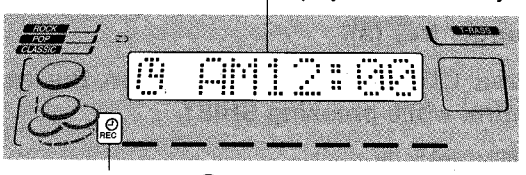
The unit can be turned on at a specified time every day with the built-in timer.
First, make sure the clock is set correctly.

1 Select the source.

Press one of the function buttons to select a source for playback or recording.
For timer playback of a tape, select the deck 1 or 2 with **TAPE DECK 1/2**.

2 Press TIMER repeatedly, or press TIMER on the remote control while pressing SHIFT repeatedly to select the timer playback or the timer recording.

Time and audio source display flash alternately

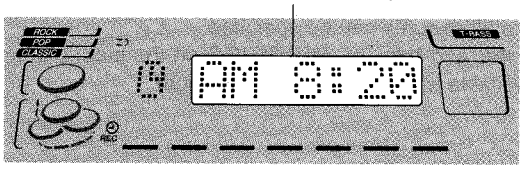


Timer playback: ⏲ is displayed.
Timer recording: ⏲ and "REC" are displayed.

3 <u>Within 6 seconds</u>, begin setting the timer-on time.

Turn **MULTI JOG** to the right to advance the time and turn it to the left to move the time back. The speed with which the time changes varies accoding to how fast you turn **MULTI JOG**. You can also press ◀◀ or ▶▶. Holding these buttons down will vary the time in 30-minute units.

Timer-on time



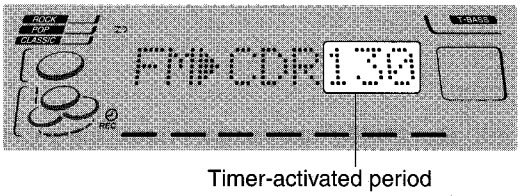
- **For timer playback** : When the timer-on time is set, press **ENTER** or **II**, then skip to step 5.
- **For timer recording** : When the timer-on time is set, go to step 4.

4 For timer recording, select the recording destination.

To record on a CD-R or CD-RW, press **CD-R/RW**.
To record on a tape, press **TAPE**.
Example: For recording the radio (FM) to a CD-R or CD-RW, "FM ► CDR" is displayed.
When the recording destination is selected, press **ENTER** or **II**.

5 Within 4 seconds, set the duration for the timer-activated period.

Turn **MULTI JOG** or press ◄◄ and ►► to set the duration. The duration can be set between 5 and 240 minutes in 5-minute units.



Timer-activated period

When the duration is set, press **ENTER** or **II**. (If no button is pressed, the chosen duration is automaticaolly set after 4 seconds.)

6 Adjust the volume.

The source sound will be audible at the volume set here when the power goes on at the set time.
However, when power economizing mode (page 33) has been turned on, the volume for timer recording will be 0 (minimum level).

7 Prepare the source.

For timer playback of a tape, insert a tape to a deck selected in step 1.
For timer playback of a CD, CD-R or CD-RW , load a disc on the 3 CD changer tray 1 or the CD-R/RW tray.
For timer playback/recording of the tuner, press **TUNER BAND** to select FM or AM and tune in the desired station.
For timer playback/recording of the equipment connected to the VIDEO/AUX jacks, press **AUX/D-IN** repeatedly to display "AUX" and set the timer of the equipment so that playback begins at the same time.
For timer playback/recording of the equipment connected to the DIGITAL IN jack, press **AUX/D-IN** repeatedly to display "D-IN" and set the timer of the equipment so that playback begins at the same time.

8 For timer recording, prepare a recordable CD-R,CD-RW or tape.

For CD-R or CD-RW recording, load a CD-R or CD-RW on CD-R/RW tray.
For tape recording, insert a recordable tape into the deck 2, and select reverse mode (page 10).

9 Press POWER to turn off the unit.

Timer functions.
◴, or ◴ and "REC" are displayed (when the power economizing mode is set to OFF).

- If the volume level is set to 17 or higher, however, it will automatically be set to 16 when the power is turned on.
- You can change the source that was selected in step 1 by pressing one of the funcion buttons before pressing **ENTER** or **II** in step 3.

NOTE

- Timer playback and timer recording will not begin unless the power is turned off.
- Timer recording from CD, CD-R, CD-RW or tape cannot be made.
- If you use the unit while the timer is set, check again the preparation of the source for timer playback or recording and the setting of volume before turning off the power.

To check the timer setting

Press **TIMER** on the main unit, or press **TIMER** on the remote control while pressing **SHIFT**.
The selected source, the timer-on time, and the duration for the timer-activated period will be displayed for 4 seconds.

To change the timer setting

Set the timer again from the beginning.

To cancel the timer standby mode

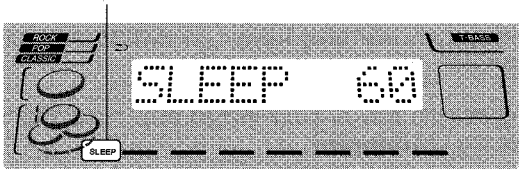
Press **TIMER** of the main unit, or press **TIMER** on the remote control repeatedly while pressing **SHIFT** so that "◴ OFF" appears.

SLEEP TIMER

You can turn off the unit automatically at any desired time within 4 hours.

1 Press SLEEP on the remote control while pressing SHIFT.

SLEEP



2 Within 4 seconds, press ◄◄ or ►► , or turn MULTI JOG to select the timer-activated period.

The duration can be set between 5 and 240 minutes in 5-minute units.

To check the timer-activated period

Press **SLEEP** on the remote control once while pressing **SHIFT**.
The duration of the timer-activated period appears for 4 seconds.

To cancel the sleep timer

Press **SLEEP** on the remote control twice while pressing **SHIFT**.
"SLEEP OFF" will be displayed for 4 seconds.

DISPLAY INFORMATION

If you press **DISPLAY** on the main unit, or press **CD EDIT/ CHECK** on the remote control while pressing **SHIFT**, the display changes as follows.

WHEN THE SOUND SOURCE IS A 3CD

During playback or pause mode (when no recordable CD-R or CD-RW is loaded on the CD-R/RW tray)

① 3CD 1 Tr 3:42
(Elapsed playing time)

② 3CD – 36:15
(Remaining time of playback)

- During random play or programmed play, remaining time of playback is not displayed.

During playback or pause mode (when recordable CD-R or CD-RW is loaded on the CD-R/RW tray)

① 3CD 1 Tr 3:42
(Elapsed playing time)

② 3CD – 36:15
(Remaining time of playback)

③ CD-R or CD-RW Rem – 52:38*
(Recordable time of CD-R or CD-RW: displayed for 4 seconds)

* Displayed only when being operated with the **DISPLAY** button on the main unit.

- During random play or programmed play, remaining time of playback is not displayed.

DURING PROGRAMMED RECORDING FROM 3CD TO CD-R OR CD-RW

- You can change the display only by pressing **DISPLAY** on the main unit.

① 3CD 1 Tr 1:23
(CD track number and elapsed time)

② CD-R or CD-RW – 36:15
(Recordable time of CD-R or CD-RW)

③ CD-R or CD-RW 10Tr 1:27
(CD-R or CD-RW track number in recording and elapsed time)

DURING MANUAL RECORDING FROM TAPE, TUNER, OR CONNECTED SOURCE TO A CD-R OR CD-RW

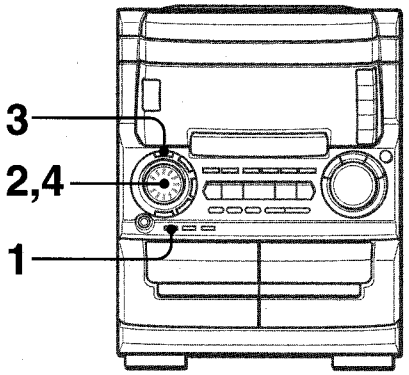
- You can change the display, only by pressing **DISPLAY** on the main unit.

① AUX
(sound source)

② CD-R or CD-RW – 15:14
(Recordable time of CD-R or CD-RW)

③ CD-R or CD-RW 12Tr 2:58
(CD-R or CD-RW track number in recording and elapsed time)

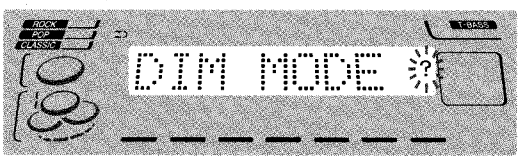
ADJUSTING THE DISPLAY WINDOW BRIGHTNESS (DIMMER)



The display window brightness can be adjusted to the following four levels: "DIM-OFF","DIMMER 1", "DIMMER 2", and "DIMMER 3".
"DIM-OFF" is the brightest level.
When "DIMMER 3" is selected, the display is darkest, the illumination of CD tray goes out, and the spectrum analyzer does not move.

***1* Press ECO.**
"ECO MODE?" is displayed.

***2* Within 4 seconds, turn MULTI JOG to display "DIM MODE?".**



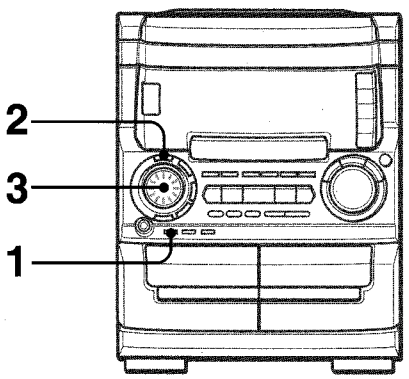
***3* Within 4 seconds, press ENTER.**
Selected brightness is displayed.

***4* Within 4 seconds, turn MULTI JOG to select your desired brightness.**

DIM-OFF ↔ DIMMER 1
DIMMER 3 ↔ DIMMER 2

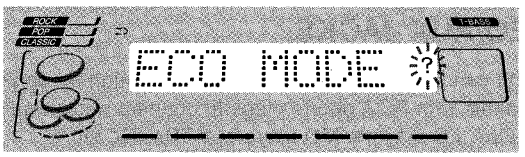
After 4 seconds, the brightness level selected will be set automatically.
Or, if you press **ENTER** within 4 seconds, the brightness level selected will be set.

SETTING POWER ECONOMIZING MODE



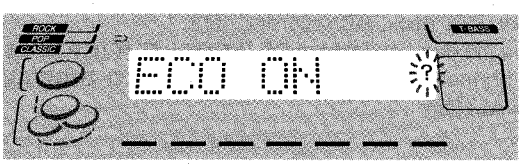
Setting this unit to power economizing mode reduces power consumption as follows.
- When the power shuts off, all indications of the display window are turned off.
  (Even the clock is not displayed. When the AC cord is connected to the AC outlet, only the red indicator below the **POWER** button lights. Note, however, that the demo display will appear unless the clock of the unit is set. For the demo display, see page 6.)
- If the tape, CD, and CD-R/CD-RW are stopped and there is no audio input from any connected external equipment for 10 minutes, the power shuts off.
- When the power turns on by timer recording (page 30), the display window brightness level is set to "DIMMER 3", all button lamps are off, and the volume is set to the minimum level.
- The display window brightens only when the unit is being operated. When the unit has not been operated for 10 seconds, the brightness level switches to the level chosen by the "DIM MODE" setting.
  (If the brightness level is set to "DIM-OFF", the brightness does not change. When the level is "DIMMER 3", the button lamps are also turned off.)

***1* Press ECO.**
"ECO MODE?" is displayed.



***2* Within 4 seconds, press ENTER.**
The current power-economizing mode status will be displayed.
If the power-economizing mode is OFF: ECO OFF
If the power-economizing mode is ON: ECO ON

***3* Within 4 seconds, turn MULTI JOG to switch the power-economizing mode on or off.**
Example: When "ON" is selected



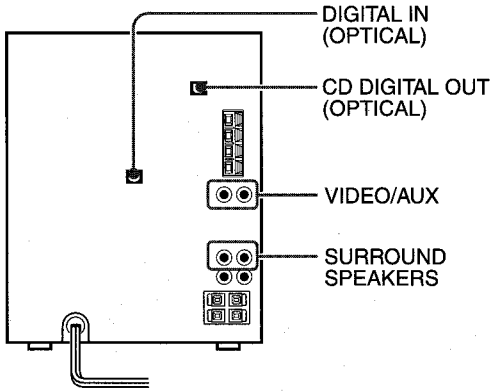
After 4 seconds, the power-economizing mode selected will be set automatically.
Or, if you press **ENTER** within 4 seconds, the power-economizing mode selected will be set.

Standby power consumption
If the power-economizing mode is OFF: 29 W
If the power-economizing mode is ON: 1.3 W

NOTE

After timer recording (page 30) with the power-economizing mode set to ON, if you turn on the power, the display window brightness level is set to "DIMMER 3", all button lamps are off, and the volume is set to the minimum level. If necessary, adjust the volume and the display window brightness level again.

CONNECTING OPTIONAL EQUIPMENT



Refer to the operating instructions of the connected equipment for details.

- The connecting cords are not supplied. Obtain the necessary connecting cords.
- Consult your local Aiwa dealer for optional equipment.

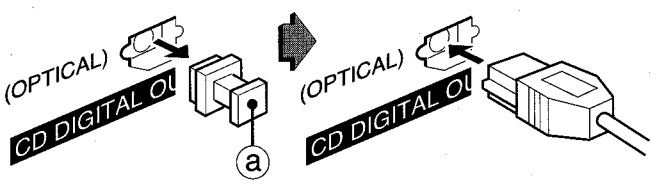
VIDEO/AUX JACKS

This unit can input analog sound signals through these jacks. Use a cable with RCA phono plugs to connect audio equipment (turntables, LD players, MD players, VCRs, TV, etc.).
Connect the red plug to the **R** jack, and the white plug to the **L** jack.

When connecting a turntable
Use an Aiwa turntable equipped with a built-in equalizer amplifier.

CD DIGITAL OUT (OPTICAL) JACK

This unit can output CD digital sound signals through this jack. Use an optical cable to connect digital audio equipment (digital amplifier, DAT deck, MD recorder, etc.).
Remove the dust cap ⓐ from **CD DIGITAL OUT (OPTICAL)** jack. Then, connect an optical cable plug to **CD DIGITAL OUT (OPTICAL)** jack.



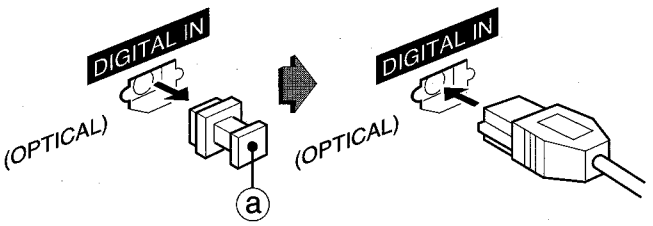
When CD DIGITAL OUT (OPTICAL) jack is not being used
Attach the supplied dust cap.

NOTE

Because this unit complies with the SCMS standard (page 12), digita CD-R/CD-RW recordings made with this unit cannot be recorded again via digital input to other digital devices.
Digital dubbing of CD-R/CD-RW recordings made with this unit from an external satellite/cable receiver, however, may be possible depending on the type of the tuner being used.

DIGITAL IN (OPTICAL) JACK

This unit can input digital sound signals through this jack.
This unit has a built-in sampling frequency rate converter, which converts the sampling frequency rates that are different from the CD sampling frequency rate (BS/CS tuner or DAT (32 kHz or 48 kHz), and other digital signals) into a sampling frequency rate that can be recorded on a CD-R or CD-RW (44.1 kHz).
Use an optical cable to connect digital audio source equipment (DAT deck, MD player, etc.).
Remove the dust cap ⓐ from **DIGITAL IN (OPTICAL)** jack. Then, connect an optical cable plug to **DIGITAL IN (OPTICAL)** jack.

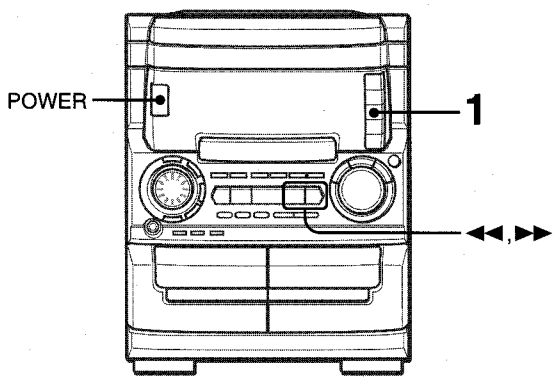


When DIGITAL IN (OPTICAL) jack is not being used
Attach the supplied dust cap.

SURROUND SPEAKERS JACKS

Connect optional surround speakers with 8 to 16 ohms impedance to the jacks.

LISTENING TO EXTERNAL SOURCES



TO PLAY AN EQUIPMENT CONNECTED TO THE VIDEO/AUX JACKS

1 **Press AUX/D-IN repeatedly until "AUX" appears on the display.**

2 **Play the connected equipment.**

To change a source name in the display
When **AUX/D-IN** is pressed, "AUX" is displayed initially. It can be changed to "VIDEO" or "TV".
With the power on, press **POWER** while pressing **AUX/D-IN**.
Repeat the procedure to select one of the names.

TO PLAY AN EQUIPMENT CONNECTED TO THE DIGITAL IN JACK

1 **Press AUX/D-IN repeatedly until "D-IN" appears on the display.**

2 **Play the connected equipment.**

NOTE

If you load a disc on the CD-R/RW tray during playback of the equipment connected to the **DIGITAL IN** jack, the playback sound may not be heard while reading the disc.

CARE AND MAINTENANCE

Occasional care and maintenance of the unit and the software are needed to optimize the performance of your unit.

To clean the cabinet

Use a soft and dry cloth.
If the surfaces are extremely dirty, use a soft cloth lightly moistened with mild detergent solution. Do not use strong solvents, such as alcohol, benzine or thinner as these could damage the finish of the unit.

To clean the tape heads

When the tape heads are dirty;
- high frequency sound is not emitted
- the sound is not adequately high
- the sound is off-balance
- the tape cannot be erased
- the tape cannot be recorded on

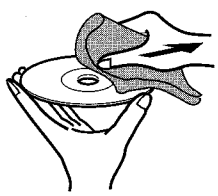
After every 10 hours of use, clean the tape heads with a head cleaning cassette.
Refer to the instructions of the cleaning cassette for details.

To demagnetize the tape heads

The tape heads may become magnetized after long-term use. This may narrow the output range of recorded tapes and increase noise.
After every 20 to 30 hours of use, demagnetize the tape heads with a separately sold demagnetizing cassette.
Refer to the instructions of the demagnetizing cassette for details.

Care of discs

- When a disc becomes dirty, wipe the disc from the center out with a cleaning cloth.



- After playing a disc, store the disc in its case. Do not leave the disc in places that are hot or humid.

Care of tapes

- Store tapes in their cases after use.
- Do not leave tapes near magnets, motors, television sets, or any source of magnetism. This will downgrade the sound quality and cause noise.
- Do not expose tapes to direct sunlight, or leave them in a car parked in direct sunlight.

SPECIFICATIONS

Main unit CX-NC3RW

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	16.8 dBf
Antenna terminals	75 ohms (unbalanced)

AM tuner section

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

Amplifier section

Mid-high frequency amplifier

Power output*	10 watts per channel, Min. RMS at 8 ohms, from 200 Hz to 20 kHz, with no more than 1% Total Harmonic Distortion
Total harmonic distortion	0.06 % (8 W, 1 kHz, 8 ohms, DIN AUDIO)

Low frequency amplifier

Power output*	30 watts per channel, Min. RMS at 4 ohms, from 50 Hz to 200 Hz, with no more than 1% Total Harmonic Distortion
Total harmonic distortion	0.06 % (20 W, 135 Hz, 4 ohms, DIN AUDIO)

* without connecting to the SURROUND SPEAKERS

Inputs	VIDEO/AUX: 700 mV DIGITAL IN
Outputs	SPEAKERS: LOW FREQ: accept speakers of 4 ohms HIGH FREQ: accept speakers of 8 ohms SURROUND SPEAKERS: accept speakers of 8 to 16 ohms PHONES (stereo jack): accepts headphones of 32 ohms or more CD DIGITAL OUT (OPTICAL) jack

Compact disc player section

Laser	Semiconductor laser (λ = 780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

COMPACT DISC recorder (CD-R/RW) section

Scanning method	Non-contact optical scanner (Semiconductor laser application)
Recording system	Magnetic polarity modulation overwrite system
Rotation speed	Approx. 400 - 900 rpm (CLV)
Sampling frequency	44.1 kHz
No. of channels	Stereo: 2 channels Monaural: 1 channel
A-D, D-A converter	1-bit
Frequency	20 to 20000 Hz +0.5 - –1.5 dB
Wow and flutter	Unmeasurable

Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz to 15000 Hz
Recording system	AC bias
Heads	Deck 1: Playback head × 1 Deck 2: Recording/playback head × 1, erase head × 1

General

Power requirements	120 V AC, 60 Hz
Power consumption	150 W
Standby power consumption	1.3 W (power-economizing mode set to ON)
Dimensions of main unit (W × H × D)	260 × 329.5 × 354.5 mm (10 1/4 × 123 × 14 in.)
Weight of main unit	10 kg (22 lb 1 oz.)

Speaker system SX-WNC3

Cabinet type	3 way, built-in subwoofer (magnetic shielded type)
Speakers	Subwoofer: 160 mm cone type Full range: 100 mm cone type Super tweeter: 20 mm ceramic type
Impedance	LOW FREQ: 4 ohms HIGH FREQ: 8 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W × H × D)	240 × 324 × 270 mm
Weight	4.8 kg

Specifications and external appearance are subject to change without notice.

COPYRIGHT

Please check the laws on copyright relating to recordings from discs, radio or external tape for the country in which the machine is being used.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

TROUBLESHOOTING GUIDE

If the unit fails to perform as described in these Operating Instructions, check the following guide.

GENERAL

There is no sound.
- Is the AC cord connected properly?
- Is there a bad connection? (→ page 4)
- There may be a short circuit in the speaker terminals.
  → Disconnect the AC cord, then correct the speaker connections.
- Was an incorrect function button pressed?

The display window becomes dark.
- Timer recording is performed when the power economizing mode is set to ON.
  → Adjust the brightness of the display window(→ page 33).

Sound is emitted from one speaker only.
- Is the other speaker disconnected?

An erroneous display or a malfunction occurs.
→ Reset the unit as stated below.

The indication of the display window moves when the power is off.
- The demo display functions.
  → Press ◄►. The demo display goes off.

The power shuts off though you do not turn off the power.
- The power economizing mode is set to ON.
  If the tape, CD, CD-R/CD-RW are stopped and there is no audio input from any connected external equipment for 10 minutes, the power shuts off automatically.
  → Set the power economizing mode to OFF (→ page 33).

TUNER SECTION

There is constant, wave-like static.
- Is the antenna connected properly? (→ page 5)
- Is the signal weak?
  → Connect an outdoor antenna.

The reception contains noise interferences or the sound is distorted.
- Is the system picking up external noise or multipath distortion?
  → Change the orientation of the antenna.
  → Move the unit away from other electrical appliances.

CASSETTE DECK SECTION

The tape does not run.
- Is deck 2 in pause mode? (→ page 10)

The sound is off-balance or not adequately high.
- Is the playback head dirty? (→ page 36)

Recording is not possible.
- Is the erasure prevention tab on the tape broken off? (→ page 11)
- Is the recording head dirty? (→ page 36)

Erasure is not possible.
- Is the erasure head dirty? (→ page 36)
- Is a metal tape or CrO_2 tape being used?

High frequency sound is not emitted.
- Is the recording/playback head dirty? (→ page 36)

3CD SECTION

The CD player does not play.
- Is the disc correctly inserted? (→ page 13)
- Is the disc dirty? (→ page 36)
- Is the non-finalized CD-R or CD-RW tried to be played.
  → Play it on the CD-R/RW (→ page 16)
- Is the lens affected by condensation?
  → Wait for a few hours and try again.

CD-R/RW SECTION

The CD-R/RW recorder can not be operated.
- Is there a disc inside the unit?
  → load a disc.
- Is the lens affected by condensation?
  → Wait for a few hours and try again.

Sound is noisy.
- Is the unit placed close to an object with a strong magnetic field such as a television?
  → Move the unit away from the television.

Sound is intermittent.
- Is the unit placed on an unstable surface with a lot of vibration?
  → Place the unit on a stable surface with no vibration.

Recording is not possible.
- Is the CD-R or CD-RW finalized? (→ page 23)

NOTE

If the unit cannot be turned on

Disconnect the power cord from the AC outlet, wait for a few seconds, and re-connect the power cord to the AC outlet. Then try to turn the unit on again.

To reset

If an unusual condition occurs in the display window or the cassette decks, reset the unit as follows.

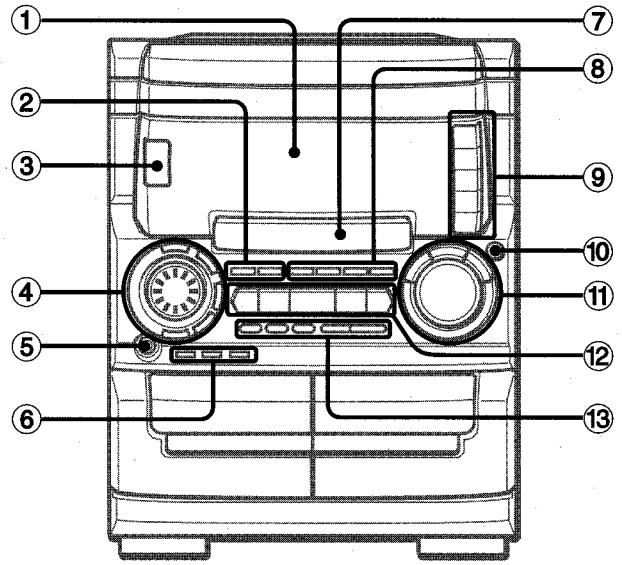
1 Press **POWER** to turn off the power.
2 Press **POWER** to turn the power back on while pressing ■. Everything stored in memory after purchase is cancelled, and a demo display will appear.
3 Press **POWER** again to turn on the power.

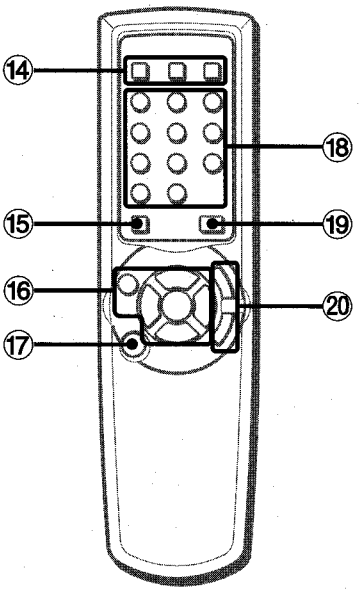
If the power cannot be turned off in step 1 because of a malfunction, reset by disconnecting the AC cord, and connect it again. Then carry out step 2.

CD/CD-R/CD-RW GUIDE MESSAGES

Message	Cause	Solution
Blank Disc	Nothing is recorded on the disc.	—
UP DATE	Recording on a CD-R or CD-RW is finished.	Wait until the message disappears.
Check Disc	The disc is damaged by scratches.	Clean the disc or replace the disc.
	The TOC data is not proper.	
No Audio	A disc which is not for Audio is loaded on the CD-R/RW.	Replace the disc with an usable disc. (page 12)
Disc Err	Error concerning CD-RW occurs.	Replace the disc or Erase all tracks.
Can't Copy	Dubbing is prohibited by the SCMS standard.	—
WAIT	Finalization, Erasing, or Unfinalization is not finished within the unit-set time and so the unit is retrying the process.	Wait until the message disappears.
SYS ERROR	Mechanical or electrical error occurs in the unit.	Press **POWER** to turn the power off and then press it again to turn the power bank on. If the message is still on, consult your local Aiwa dealer.
SET UP	While the unit is reading a disc loaded on the CD-R/RW tray, ▲CD-R OPEN/CLOSE or the buttons for CD-R/RW recording is pressed.	Wait until the messege disappears and then press the button again.
No Disc	There is no disc loaded	Load a disc.
No Signal	Input digital signal cannot be received.	Plug in properly with the digital connecting cord (optical).
Disc Full	There is not enough time left to be recorded on the disc.	Replace the disc with another recordable disc or erase tracks (CD-RW only).
OPC Full	The CD-R approaches the OPC limit. (page 12)	Finalize the CD-R.
OPC ERROR	The disc reached or exceeded the OPC limit or the disc is damaged and so OPC process failed.	The disc can be played back. To record, replace the disc.
ERASE Err	Erasing process failed.	Try again. If Last Track erasing fails, try All Track erasing.
Track Full	More than 99 tracks are trying to be recorded on a single disc.	Replace the disc with another disc or erase tracks (CD-RW only).
Mecha Err	Mechanical error occurs. (A disc may be unable to be removed)	Turn the power off / on and try to remove the disc. If you still cannot remove a disc, consult your local Aiwa dealer.
UNKNOWN	An unrecordable disc is tried to be recorded.	Replace the disc with a recordable disc.

PARTS INDEX/INDICE DE LAS PARTES/NOMENCLATURE





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