aiwa

CD Stereo System









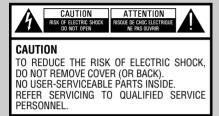
8C-NF6-906-01 020320AKH-U-M

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En

WARNING

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

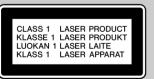


CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This compact disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the exterior.



CAUTION!



Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

NOTE

AIWA CO. LTD. - JAPAN - DECLARES UNDER ITS OWN RESPONSIBILITY THAT THE PRODUCT DESCRIBED IN THIS MANUAL IS IN COMPLIANCE WITH THE DIRECTIVES OF D.M 28.8.95 No. 548, ACCORDING TO THE STIPULATIONS OF PARAGRAPH 3 OF ATTACHMENT A OF D.M. 25.6.85 AND PARAGRAPH 3 OF ATTACHMENT 1 OF D.M. 27.8.87 (REGULATIONS REGARDING FREQUENCIES).

The above information is only for Italy.

PRECAUTIONS

Read these Operating Instructions carefully and completely before operating the unit. All precautions on this booklet and on the unit should be strictly followed. Keep the Operating Instructions for future reference.

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 or greater than 35°C.
- 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 clearance from the rear and the top of the unit, and 5 cm from 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.

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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 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 firmly secured to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power socket.
 - Avoid overloading power socket and extension cords beyond their capacity, as this could result in fire or shock.
- 3 When not in use Unplug the AC power cord from the power socket 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.

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.

TABLE OF CONTENTS

PRECAUTIONS	2
PREPARATIONS	4
PARTS AND CONTROLS	5
ADJUSTMENTS BEFORE OPERATIONS	8
CD OPERATIONS	10
RADIO OPERATIONS	12
TAPE OPERATIONS	16
SOUND ADJUSTMENTS	19
TIMER OPERATIONS	20
REFERENCE	22

System and accessories

NSX-R71 CX-NR71 CD stereo cassette receiver SX-NR70 Front speakers

Remote control FM antenna MW/LW antenna

PREPARATIONS

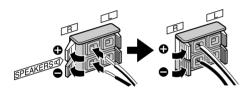
Connection

Fn

Plug in the AC power cord to the wall socket after all other connections are made.

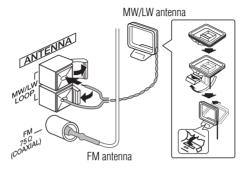
1 Connect the front speakers.

Connect the right front speaker (marked "R" on the rear side) to the SPEAKERS R terminals and place it on the right side of the unit. Connect the left (marked "L" on the rear side) to the SPEAKERS L terminals and place it on the left side.The speaker cords with the white stripes go to the ⊕ terminals.



2 Connect the supplied antennas.

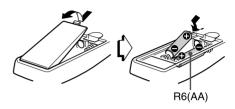
Connect the FM antenna to the FM 75 Ω terminal and the MW/LW antenna to the MW/LW LOOP terminals.



- 3 Connect the AC power cord to the wall socket. When the AC power cord is connected to the wall socket for the first time, DEMO appears on the display. To deactivate the DEMO, press DEMO/ECO.
- Do not short-circuit the 🔁 and 🗢 speaker cord leads.
- Do not leave objects generating magnetism or objects affected by magnetism near the speakers.

Remote control

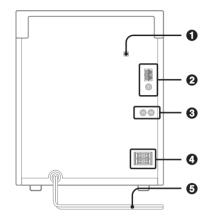
Detach the battery compartment lid at the rear of the remote control and insert two R6 (size AA) batteries with correct polarity.



- Replace the batteries with new ones when the operational distance between the remote control and main unit becomes shorter.
- Remove the batteries if the unit is not going to be used for an extended period of time.
- The remote control may not operate if it is used under intense sunlight, etc., or if its line of sight is obstructed.

PARTS AND CONTROLS

Main unit: rear



O CD DIGITAL OUT (OPTICAL) jack

Outputs CD digital sound signals to digital audio equipment. Remove the dust cap and connect using an optional optical cable plug. When this jack is not being used, attach the supplied dust cap.

\textcircled{O} MW/LW LOOP, FM 75 Ω terminals

Plug in the supplied MW/LW and FM antennas here.

VIDEO/AUX jacks

Accepts analog sound signals from external equipment. Connect using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions of your equipment. To switch function to external input, turn the Dial Function (see "ADJUSTMENTS BEFORE OPERATIONS") to select the VIDEO/AUX function.

Tip:

To change the displayed name for this function, select the VIDEO/AUX function, then hold down ENTER and press POWER on the unit. Repeat the procedure to select "**AUX** ", "**VIDEO** " or "**TV** ".

④ SPEAKERS^I terminals

Connect the speaker cord of the supplied front speakers here.

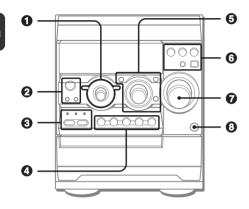
AC power cord

Dynamic Integrated New Amplifier

is a brand-new amplifier system where clear mid-to-high range frequency sound, as well as rich low frequency sound, can be reproduced and listeners can enjoy the close-to-original sound with less distortion at either high or low volume levels.

Fn

Main unit: front



1 Dial Function

Selects a function (TAPE, TUNER, VIDEO/AUX or CD).

DECK 1/2

Selects DECK 1 or 2 in Tape function.

BAND

Select a band in Tuner function.

❷ POWER ⁽OSTANDBY/ON

Switches the unit on and off (standby).

DEMO/ECO

When the unit is turned off: switches DEMO on and off. When the unit is turned on: enters ECO or dimmer setting mode.

TIMER

Enters timer setting mode.

🕑 RT

Displays text information for RDS (Radio Data System).

ΡΤΥ

Displays a program type for RDS (Radio Data System).

AG

Selects a sound equalization curve for RDS (Radio Data System).

SYNC DUB

Starts dubbing a whole tape.

• REC/REC MUTE Starts recording.

O IIPAUSE/SET

CD and Tape: pauses playback. Radio: stores the received station to preset.

STOP/CLEAR

CD and Tape: stops playback. Radio: clears a station preset.

►DIR(DECK1)/PRESET

CD and Tape: starts playback. Radio: tunes into a preset station.

</I<<DOWN, ►►/►►IUP TUNING

CD: skips to a previous or a succeeding track when pressed, searches a track in fast forward or fast reverse playback when held down.

Tape: fast forwards or rewinds the tape. Radio: manually tunes down or up within the band.

6 MULTI JOG

CD: skips to a previous or a succeeding track. Radio: selects a preset number. Graphic Equalizer: selects a equalization curve or adjusts the level. Clock and Timer: sets the time. ECO and Dimmer: selects the mode.

MODE

Enters the setting mode of Graphic Equalizer or Spectrum analyzer display.

SOUND

Selects a frequency range of Graphic Equalizer to adjust the level.

ENTER

Determines the mode and the time (ECO, dimmer, clock and timer).

O DISC DIRECT PLAY 1-3

Selects a CD tray.

DISC CHANGE Rotates the CD travs.

CD OPEN/CLOSE Opens or closes the disc compartment.

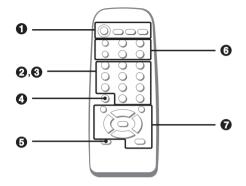
Ø VOLUME

Adjusts the volume.

O PHONES jack

Plug in here an optional headphones set with a mini stereo plug (ø3.5 mm). Speaker output is cancelled.

Remote control



Buttons with the same or similar names with the main unit basically have the same function.

O POWER

GEQ

Enters Graphic Equalizer setting mode.

SOUND

ENTER

❷ 0-9, +10

CD: selects a CD track of the specified number. Radio: tunes in to the station with the specified preset number. The numbered buttons take on these functions when pressed together with SHIFT held down:

PROGRAM

Enters programmed CD playback mode.

RANDOM/REPEAT Enters random or repeat CD playback mode.

TUNER MODE

Switches between stereo or monaural FM reception.

DISPLAY Selects a Spectrum analyzer display.

TIMER

SLEEP Enters sleep-timer setting mode.

CLOCK Enters clock adjustment mode.

CD EDIT/CHECK

Displays the remaining playback time of a CD when pressed during playback. Enters AI Edit Recording or Programmed Edit Recording mode when pressed during stop.

CD DIRECT

Select a CD tray with the numbered button (1-3).

O SHIFT

Hold down when pressing a numbered button to change its function to that printed above the number.

e.g.)

"Press **SHIFT+SLEEP** on the remote control" indicates "Hold down SHIFT and press '6' (SLEEP)", so that you can use 'Sleep timer' function.

O REC MODE

Starts recording with ● REC/REC MUTE.

• **REC/REC MUTE** Starts recording with REC MODE.

PRESET (, **\cdots**) Performs the same functions as MULTI JOG on the unit.

VOLUME (+, -)

1 DECK 1/2

BAND

IISET

▶/∢▶

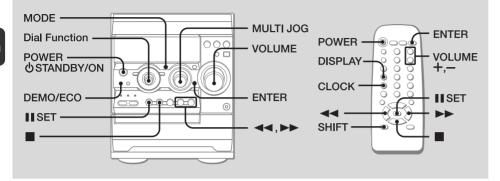
The function is the same as that of $\blacktriangleleft \triangleright$ on the unit.

◄◄/!◀◀, ►►/►►!

FUNCTION

Switches the active function among TAPE, TUNER, VIDEO/AUX and CD.

ADJUSTMENTS BEFORE OPERATIONS



Power

Turning the unit on

Press POWER \mathbf{O} STANDBY/ON (POWER on the remote control).

Turning the unit off

Press POWER **O**STANDBY/ON again. The unit goes into standby.

Volume

Turn VOLUME (Press VOLUME +, - on the remote control).

Adjust from 0 (minimum) to 40 and MAX (maximum).

Tip:

Volume level setting is retained during power-off standby. If the unit is turned off with the volume set to 27 or more, it is automatically turned down to 26 the next time the unit is turned on.

Dial Function

Turn the Dial Function to select a function (TAPE, TUNER, VIDEO/AUX or CD). The red light beside the selected function turns on.

DEMO

If the clock has not been set, a DEMO appears on the display when the unit is turned off.

To deactivate and activate the DEMO

Press DEMO/ECO when the unit is turned off.

Spectrum analyzer display

You can change the spectrum analyzer display.

Press MODE twice and then within 4 seconds turn MULTI JOG to select one of the three spectrum analyzer displays.

On the remote control, press SHIFT+DISPLAY repeatedly.

- NORMAL: Displays the fluctuation from low frequencies to high ones
- BASS: Displays the fluctuation of low frequencies only
- LEVEL: Displays the fluctuation of the average of all the frequencies.

ECO mode

Reduces power consumption with the following operations, etc.

ECO ON mode

- The unit blacks out when the unit is turned off. Only the red indicator lights up. (Only when the clock is set.)
- If dimmer mode is set to on, the unit illumination brightens (for 10 seconds) only when you operate the unit.
- **1** Press DEMO/ECO once when the unit is turned on, and then within 4 seconds press ENTER.
- 2 Turn MULTI JOG to select "ECD ON " and then press ENTER.

If there is no MULTI JOG or button operation within 4 seconds, the setting is cancelled.

To cancel the ECO mode

Repeat the above and select "ECO OFF ".

Dimmer

Adjusts the brightness of the display.

- **1** Press DEMO/ECO twice when the unit is turned on, and then within 4 seconds press ENTER.
- 2 Turn MULTI JOG to select one of the three dimmer modes or "DIM-DFF", and then press ENTER. "DIM-DFF" is the brightest and "DIMMER 3" is the dimmest.

If there is no MULTI JOG or button operation within 4 seconds, the setting is cancelled.

To cancel the dimmer

Repeat the above and select "DIM-OFF".

Setting the clock

- 1 Press SHIFT+CLOCK on the remote control. When the unit is turned off, you can also press ■SET.
- **2** Press **◄** or **▶** to set the time.

Each press changes the time in 1-minute steps. Holding it down changes the time in 10-minute steps.

If \blacktriangleleft or $\blacktriangleright \flat$ is not pressed within 4 seconds, the setting is cancelled.

• MULTI JOG is also available in place of $\blacktriangleleft \blacksquare$ or $\blacktriangleright \triangleright$.

3 Press ENTER or **II**SET.

The time display stops flashing and the clock starts from 00 seconds.

To display the time

Press SHIFT+CLOCK on the remote control. The time will be displayed for 4 seconds, but it cannot be displayed during recording.

To switch to the 24-hour standard

Display the time and press \blacksquare within 4 seconds. With each press, the clock alternates between the 12-hour standard and the 24-hour standard.

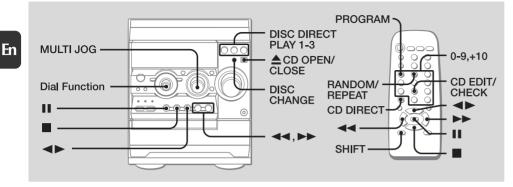
Tip:

In the 12-hour standard, "**AM 12:00** " indicates midnight and "**PM 12:00** " noon.

If the clock display flashes when the unit is turned off

There has been a power interruption. Re-set the clock.

CD OPERATIONS



This unit plays back finalized CD-R/RW discs as well as audio CDs.

Playback

- Turn the Dial Function to select the CD function and load disc(s).
 - Press \triangle CD OPEN/CLOSE to open the disc compartment and place one or two disc(s) with the labelled side up. To place three discs, press DISC CHANGE so that the trays rotate, then place the third one. Lastly, close the compartment with \triangle CD OPEN/CLOSE.
 - When loading an 8-cm (3-inch) disc, place it on the inner circle of the tray.
 - When pressing ▲ CD OPEN/CLOSE or DISC CHANGE, the unit switches to the CD from any other functions.

2 To play all discs, press ◄►.

To play one desired disc, press DISC DIRECT PLAY 1-3.

Tray number being played back flashes.

To stop playback

Press 🔳.

To pause playback

Press II. Press again to resume playback.

To skip to the beginning of the current/preceding/ succeeding track

Press **I** or **I** repeatedly or turn MULTI JOG.

To search (playback in fast forward or fast reverse)

Hold down down or book. Release at the desired point.

To select a disc and a track with the remote control

- 1 Press CD DIRECT, and then press the numbered button (1-3) within 3 seconds to select a disc.
- 2 Press the numbered buttons to select a track.
- To select track 25, press +10, +10 and 5.
- To select track 10, press +10 and 0.

To display the remaining playback time of the CD

Press SHIFT+CD EDIT/CHECK on the remote control. Press again to return to the elapsed time display.

• Remaining playback time cannot be displayed during random playback or programmed playback.

To replace disc(s) during playback without interruption

While one disc is being played back, press DISC CHANGE so that the compartment opens, replace disc(s) with other one(s), and press DISC CHANGE to close the compartment.

Random/Repeat playback

Random playback plays all the tracks on one desired disc or all the discs in random order. Repeat playback plays all the tracks repeatedly on one desired disc or all the discs.

- 1 Press SHIFT+RANDOM/REPEAT repeatedly on the remote control to select one of the following modes:
 - Random playback: "RANDOM " lights up.
 - Repeat playback: " 🗲 " lights up.
 - Random and repeat playback: "RANDOM " and " " lights up.
- 2 To play one desired disc, press DISC DIRECT PLAY 1-3.

<u>To play all discs</u>, press **◄►**.

To cancel random/repeat playback

Press SHIFT+RANDOM/REPEAT repeatedly on the remote control so that both "**RANDOM** " and " " disappear on the display.

To repeat a selected set of tracks

Select the tracks with programmed playback, then press SHIFT+RANDOM/REPEAT on the remote control to select repeat playback.

• It is impossible to play a selected set of tracks in random order.

Programmed playback

Plays back up to 30 selected tracks in programmed order.

- Press SHIFT+PROGRAM on the remote control during stop.
 "PRGM " flashes on the display.
- 2 Press CD DIRECT on the remote control and then press the numbered button (1-3) within 3 seconds to select a disc. Go to the next step when the tray stops rotating.
- *3* Press the numbered buttons on the remote control to program a track.

The selected track number lights up on the display. -To select the 25th track, press +10, +10 and 5. -To select the 10th track, press +10 and 0.

4 Repeat step 2 and 3 to program other tracks.

5 Press **◄**►.

- During programmed playback, you cannot select a disc or a track with the numbered buttons. "CAN'T USE " is displayed when you try to select a track .
- If the total playback time of the program exceeds 99:59 minutes, or if a track with a track number exceeding 30 is programmed, the playing time is displayed as "- -:- - ".
- You cannot program more than 30 tracks. "FULL " is displayed.

To check the program

Press **I** or **I** repeatedly during stop. The track number and program number are displayed in succession.

To clear the program

Press during stop. "**PRGM** " disappears on the display.

To add tracks to the program

Repeat step 2 and 3 before starting playback. The tracks are added to the end of the program.

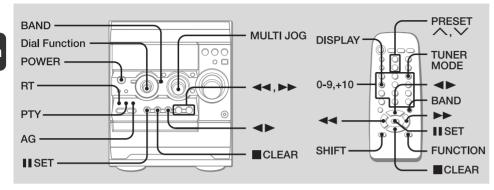
To change the programmed tracks

Clear the program and reselect the tracks in your desired order.

Notes on CDs

- Do not place more than one disc on one tray.
- Do not tilt the unit with discs loaded.
- The unit may not play a CD-R/RW disc recorded on personal computers or certain kinds of CD-R/RW recorders.
- Do not attach adhesive label, etc. to either side of a CD-R/ RW disc, as doing so may cause malfunction.
- Do not load an unrecorded CD-R/RW disc. The disc may be damaged.
- Do not use irregular-shaped CDs.

RADIO OPERATIONS



Manual tuning

- **1** Turn the Dial Function to select the TUNER function.
- 2 Press BAND to select a band (FM, MW or LW).
- 3 Press ◀◀ or ►► to tune in to a station. "TUNE " is displayed when a station is tuned in. "(((@)))" lights up for FM stereo reception. "RD5" lights up and the <u>Program Service station name</u> (see "RDS features") is displayed when an RDS station is tuned in.

To search for a station automatically (Auto Search) Hold down $\blacktriangleleft \blacksquare$ or $\blacktriangleright \blacktriangleright$.

The unit searches for a station up or down the band and stops at reception.

To stop the search manually, press $\blacktriangleleft \blacksquare$ or $\blacktriangleright \triangleright$.

· Auto Search may not stop at stations with weak signals.

Preset tuning

Preset your favorite stations by either of the following ways ("Manual presetting" or "Automatic presetting") and tune them in directly by using preset number.

Manual presetting

- **1** Turn the Dial Function to select the TUNER function and press BAND to select a band.
- 2 Press ◀◀ or ►► to tune in to the desired station.
- 3 Press **II**SET to store the station.

The preset number, beginning from "1", appears on the display.

4 Repeat step 1 to 3 to preset other stations.

• You cannot store more than a total of 32 preset stations. "FULL " is displayed.

Automatic presetting

Scans the receivable frequency range and stores tuned stations automatically with the preset number.

- **1** Turn the Dial Function to select the TUNER function.
- 2 Hold down RT for 4 seconds until "AUTO PRESET" is displayed.

3 Press ∎SET.

If **II**SET is not pressed within 4 seconds, automatic presetting is not activated.

The tuning indicator is displayed and scanning begins with the FM band.

The frequency and the preset number (beginning from 1) will be displayed when a tuned station is stored.

The display will return to the first stored station when scanning is finished.

- The unit scans the MW and LW bands if preset numbers are still available.
- FM RDS stations take priority over other FM stations if more than 32 stations are available.
- Automatic presetting clears all the previously stored preset stations.
- If identical RDS stations with alternative frequencies are detected, only the station with the stronger signal is stored.
- You cannot store more than a total of 32 preset stations. "FULL " is displayed.

Tuning in to preset stations

On the unit

- **1** Turn the Dial Function to select the TUNER function and press BAND to select a band.
- 2 Press ◀► repeatedly or turn MULTI JOG. With each press, the station with the succeeding preset number is tuned in.

On the remote control

- **1** Press FUNCTION repeatedly to select the TUNER function and press BAND to select a band.
- 2 Press the numbered buttons for the preset number of your desired station.
 - To select preset number 20, press +10, +10 and 0.
 - To select preset number 15, press +10 and 5.

To clear a preset station

1 Tune in to the station by preset tuning.

2 Press ■ CLEAR, then press ■ SET within 4 seconds. Preset numbers of preset stations in the band with higher numbers decrease by one.

RDS features

RDS (Radio Data System) is a broadcasting service <u>which allows</u> <u>FM stations</u> to send additional information along with the regular radio signal.

The additional information is derived from the features of RDS described below.

Program Service station name (PS)

The station name is displayed automatically when an RDS station is tuned in.

To scroll the PS station name

Press SHIFT+DISPLAY on the remote control while the station name is displayed. The long station name will be displayed fully.

• Station name for a station received by EON search cannot be scrolled.

Radio Text (RT)

You can show text information such as the title of a song on the display.

Press RT when tuning in to an RDS station. If the tuned station is not transmitting text information, "ND

RT " will be displayed.

To return to the regular display

Press RT again.

<u>Program Type (PTY)</u>

This is an identification to specify the program being broadcast currently.

Press PTY to display a program type when tuning in to an RDS station.

The program type will be displayed for 4 seconds.

If no PTY data or undefined PTY data is being transmitted, "NO PTY " or "UNKNOLLIN" will be displayed.

The following PTYs can be received on the unit

*TRAFFIC, NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, EASY M (easy listening music), LIGHT M (light classical music), CLASSIC, OTHER M (other music), WEATHER, FINANCE, KIDS (kid's program), SOCIAL (social affairs), FAITH, CALL IN, TRAVEL, LEISURE, JAZZ, COUNTRY (country music), NATION (national music), OLDIES, FOLK M, FACTUAL, TEST (alarm test), ALARM.

*The unit identifies TRAFFIC with one of the PTYs.

PTY Search

The unit can search for a station broadcasting your desired PTY easily. To do so, <u>you need to preset every available station in</u> advance since the unit searches only the preset stations.

1 Press PTY.

Fn

2 Press ◀◀ or ►► to select a desired program type and then press PTY.

The search begins, stops when a suitable station is detected, and the unit tunes it in.

"ND DR TR" is displayed if a suitable station is not found, and the unit returns to the previous station.

If there is no button input for 4 seconds in step 2, the search is not activated.

• MULTI JOG is also available in place of **I** or **I**

Tip:

If TRAFFIC (PTY) is selected , the unit searches for a station which <u>regularly</u> broadcasts traffic announcements. Therefore, a detected station may not be currently broadcasting traffic announcements. You will, however, be able to hear the announcements in a while.

EON Search

The unit can leap to a station which has just started broadcasting your desired PTY.

In EON (Enhanced Other Networks information) Search, the unit is in standby mode until the desired PTY begins. As soon as it begins, the unit "leaps to" another station with the PTY and returns to the previously tuned station when it ends. EON Search makes the function above possible with the help of EON which gives the receivers a cross reference to other stations. You need to preset every available station in advance since the unit searches only the preset stations.

1 Tune in an RDS station.

If "EON " lights up, proceed to the next step. If not, try to tune in another RDS station until it does.

2 Press PTY to display the program type.

3 Press ◀◀ or ►► to select a desired program type and then press II.

"EON ON " is displayed for 3 seconds and then the unit enters the standby mode while "EON " flashes. When the unit leaps to another station, "EON " flashes rapidly. If there is no button input for 4 seconds in step 3, the search is not activated.

• MULTI JOG is also available in place of $\blacktriangleleft \blacksquare$ or $\blacktriangleright \triangleright$.

To return to the previously tuned station from the "leaped to" station

Press \blacktriangleleft The standby mode for EON Search is also cancelled.

To cancel the standby mode for EON Search

Hold down PTY for a while so that "EON PTY " and the selected PTY are displayed alternately, and then with PTY held down, press **II**. "EON OFF " is displayed.

• The standby mode for EON Search will not be cancelled even if the unit is turned off.

Note on PTY & EON Search

PTY & EON Search do not function under the following conditions:

- FM stations are not preset.
- The signals of the station broadcasting the desired PTY are weak.
- FM RDS stations cannot be received.

Auto Graphic equalizer (AG)

The unit automatically selects a sound equalization curve to match the music program type (PTY) data being transmitted from the station. (e.g. 'POP' curve is selected for POP M [PTY].)

Press AG when tuning in to an RDS station. "RG" lights up.

To cancel AG function

Press AG so that "AG " disappears.

Clock-time (CT)

You can automatically set and update the clock on the hour every hour just by tuning in an RDS station since RDS stations transmit clock signals.

- 1 Press RT repeatedly to select "CT DN " while the unit is on and the time is displayed (see "Setting the clock").
- 2 Tune in an RDS station.

To deactivate CT function (If the clock is set wrongly due to an incorrect clock signal)

Repeat step 1 to select "CT OFF ".

Note on RDS features

The RDS features described above may not function correctly if the RDS transmission data from the station contains too much interference or the reception signal is too weak.

Adjustments

Antennas

Keep antennas away from metallic objects, electrical equipment and cords.

 \underline{FM} antenna: Extend fully and position for the best reception. If receiving condition is poor, connect optional outdoor antenna to FM 75 Ω terminal.

MW/LW antenna: Rotate to find best reception.

To switch to monaural FM reception

Press SHIFT+TUNER MODE on the remote control. With each press, "**MONO** " and "**STEREO** " are displayed alternately on the display.

Tip:

When FM stereo reception is poor, switching to monaural reduces noise.

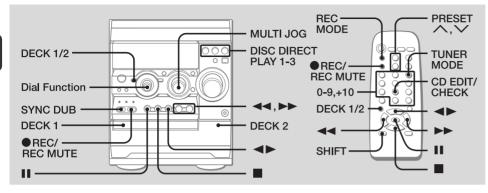
To switch the MW tuning interval

Hold down BAND and press POWER on the unit. With each press, the MW tuning interval alternates between 9 kHz/step and 10 kHz/step.

Tip:

The default is 9 kHz/step. Change it only when using the unit in a 10 kHz/step area. Switching MW tuning interval clears all the preset stations.

TAPE OPERATIONS

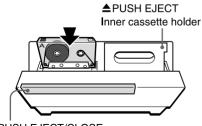


Playback

Fn

Use only type I (normal) tapes.

- 1 Turn the Dial Function to select the TAPE function.
- 2 Press ▲ PUSH EJECT/CLOSE on either side (DECK 1 and DECK 2) to open the outer cassette holder and insert the tape in the deck. Insert with the exposed side down and playback side facing out from the unit. To close, push ▲ PUSH EJECT/CLOSE on the side where the tape is inserted.



▲PUSH EJECT/CLOSE Outer cassette holder

3 Press **◄►**.

"▶" (forward) or "◀" (reverse) on the display indicates playback side.

Reverse side can be played back on DECK 1 only.

To open the inner cassette holder

The inner cassette holder opens or closes automatically when opening or closing the outer cassette holder. If the outer cassette holder is already open, press \triangle PUSH EJECT of the inner cassette holder to open it.

To open or close both decks (DECK 1 and DECK 2) simultaneously

Press or push \triangle PUSH EJECT/CLOSE on both sides of the outer cassette holder simultaneously.

To stop playback Press ■.

To pause playback (DECK 2 only)

Press II. Press again to resume.

To fast forward or rewind Press ◀◀ or ►►.

To change the playback side (DECK 1 only) Press ◄► in play mode.

To select a deck (DECK 1 or DECK 2)

Press DECK 1/2 in stop mode when tapes are loaded in both decks. The deck number ("T1 " or "T2 ") is displayed.

To reset the tape counter

Press in stop mode, and the tape counter on the display is reset to "OOOO". Opening and closing the cassette holder will also reset the tape counter.

To play continuously (DECK 1 to DECK 2)

Load tapes in both decks and start playback on DECK 1. Then, as soon as playback on DECK 1 finishes, playback on DECK 2 will start without interruption.

To play back type II (High position) tapes

Turn MULTI JOG until "SOFT " is displayed while playing a type II tape.

The unit automatically sets the graphic equalizer to appropriate levels to provide the optimum playback sound for type II tape. The "SOFT" function works even after the unit is turned off or the function is changed unless it is canceled.

To cancel it, cancel the graphic equalizer (see "SOUND ADJUSTMENT").

Notes on cassettes

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

Basic recording

Use only type I (normal) tapes. DECK 2 is the recording deck. Only one side of the tape can be recorded at a time.

1 Insert the recording tape in DECK 2.

Press \triangle PUSH EJECT/CLOSE to open the outer cassette holder, and insert with the exposed side down and the side to be recorded on facing out from the unit. Wind up the tape to the desired point if needed.

2 Prepare the source.

<u>To record CD(s)</u>, select the CD function and load disc(s). <u>To record a radio broadcast</u>, tune in to the desired station. <u>To record a tape</u>, insert the source tape in DECK 1 and select the TAPE function (DECK 1).

To record from connected external equipment, select the VIDEO/AUX function and prepare the equipment.

3 Press REC/REC MUTE to start recording.

When recording a CD or tape, playback starts automatically.

When recording input from connected equipment, manually start playback of the source.

On the remote control, press REC MODE and then press

- REC/REC MUTE within 3 seconds.
- You can also change the source by pressing REC MODE repeatedly before pressing REC/REC MUTE.
- Volume or tone adjustment does not affect recording.
- "CRN'T REC " is displayed if you attempt to record a tape with the tab broken off.

To stop recording

Press 🔳.

To pause recording (only for TUNER or VIDEO/AUX source)

Press II. Press again to resume.

To record a selected set of tracks from a CD

Program the desired tracks (see "Programmed playback") and then press $\ensuremath{\bullet}$ REC/REC MUTE.

To record a 4-second blank space (only for TUNER or VIDEO/AUX source)

1 Press ● REC/REC MUTE during recording or in recording pause mode.

"REC" flashes on the display for 4 seconds (a blank space is made in the meantime) and then the unit enters recording pause mode.

To record less than a 4-second blank space, press • REC/ REC MUTE again while "**REC**" flashes.

To record more than a 4-second blank space, press \bigcirc REC/ REC MUTE again after the unit enters recording pause mode. Each time the button is pressed, a 4-second blank space is added.

2 Press II to resume recording.

To eliminate squealing or beating sounds when recording MW or LW broadcast

Press SHIFT+TUNER MODE repeatedly on the remote control. The dot appears and disappears on the display. Select the mode with better reception.

To erase a tape

1 Insert the tape in DECK 2. Set the tape to the desired point if needed.

2 Press DECK 1/2 to select "T2 ".

3 Press
REC/REC MUTE.

Whole tape dubbing

- 1 Turn the Dial Function to select the TAPE function.
- 2 Insert the original tape in DECK 1 and the recording tape in DECK 2.
- 3 Press SYNC DUB.

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

- Dubbing cannot start from a point halfway in the tape.
- Only one side of the tape can be recorded at a time.

To stop dubbing Press ■.

Edited CD recording

Al Edit Recording

When recording a whole CD, AI Edit Recording takes the length of your tape into account and rearranges the recording order of the tracks if necessary, so that no track is cut short at the end of the side. Prepare a tape long enough to record the CD.

- 1 Insert the recording tape in DECK 2.
- 2 Turn the Dial Function to select the CD function and load disc(s).
- 3 Press SHIFT+CD EDIT/CHECK <u>once</u> on the remote control.

"EDIT " is displayed and "AI C-OO " appears on the display.

- 4 Press DISC DIRECT PLAY 1-3 to select a disc.
- **5** Press the numbered buttons on the remote control to enter the length of the recording tape. 10 to 99 minutes can be specified.

- For a 60-minute tape press 6 and 0.

In a few seconds, the unit determines the tracks to be recorded for each side.

The recording time left for side A appears on the display.

• **I**, **D** or MULTI JOG can also be used to specify tape length.

6 Press ● REC/REC MUTE to start recording on side A.

On the remote control, press REC MODE and then press • REC/REC MUTE within 3 seconds.

The tape is rewound to the beginning of side A and recording starts.

Go to the next step when recording on side A finishes.

7 Press SHIFT+CD EDIT/CHECK once on the remote control.

The recording time left for side B appears on the display.

8 Turn over the tape and press ● REC/REC MUTE to start recording on side B.

On the remote control, press REC MODE and then press • REC/REC MUTE within 3 seconds.

- Al Edit Recording cannot be used with discs with more than 30 tracks. "TR DVER " is displayed.
- Recording cannot start from a point halfway in the tape.

Programmed Edit Recording

As you program the CD tracks to record, Programmed Edit Recording displays the remaining recording time for each side of the tape, so you can easily select a set of desired tracks within the length of your tape.

- 1 Insert the recording tape in DECK 2.
- 2 Turn the Dial Function to select the CD function and load disc(s).
- Press SHIFT+CD EDIT/CHECK twice on the remote control.
 "PRGM" and "EDIT " are displayed and "P C-OO" appears on the display.
- **4** Press the numbered buttons on the remote control to enter the length of the recording tape. 10 to 99 minutes can be specified.
- ◀◀, ►► or MULTI JOG can also be used to specify **18** tape length.

- **5** Press DISC DIRECT PLAY 1-3 to select a disc. Then, press the numbered buttons on the remote control to select the first track to be recorded on side A.
 - To select the 25th track, press +10, +10 and 5.
 - To select the 10th track, press +10 and 0.
- *6* Repeat step 5 to select the rest of the tracks for side A.

The remaining recording time of side A is displayed. You cannot select a track with a longer playing time.

- 7 Press SHIFT+CD EDIT/CHECK on the remote control to switch to side B and select the tracks for the side.
- *8* Press SHIFT+CD EDIT/CHECK on the remote control to switch back to side A.
- **9** Press REC/REC MUTE to start recording on side A.

The tape is rewound to the beginning of side A and recording starts.

Go to the next step when recording on side A finishes.

- **10** Press SHIFT+CD EDIT/CHECK on the remote control to switch to side B.
- 11 Turn over the tape, and press REC/REC MUTE to start recording on side B. On the remote control, press REC MODE and then press
 - REC/REC MUTE within 3 seconds.
- You cannot program more than 30 tracks. "FULL " is displayed.
- You cannot program a track with a track number larger than 30.
- Recording cannot start from a point halfway in the tape.

To stop recording

Press . Recording and CD playback stop simultaneously.

To check the program

- 1 Before recording, press SHIFT+CD EDIT/CHECK on the remote control to select side A or B.
- 2 Press ◀◀ or ►► repeatedly. The track number and program number are displayed in succession.

To change the program of each side

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

To clear the edit program

Press **T** twice so that **"EDIT** " disappears from the display.

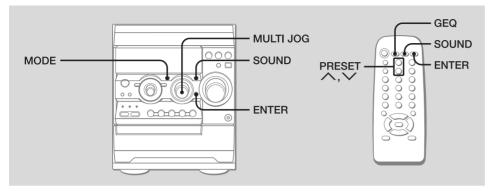
To prevent accidental erasure

Break off the plastic tab of the cassette tape with a screwdriver or other pointed tool. To record on the tape again, cover the detection slot with adhesive tape.



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SOUND ADJUSTMENTS



Graphic equalizer

Selects a sound equalization curve to match the music type.

Press MODE once and then turn MULTI JOG within 4 seconds to select one of the four equalization curves.

On the remote control, press GEQ and then press PRESET \checkmark or \checkmark repeatedly within 4 seconds.

- ROCK: Powerful sound emphasizing treble and bass
- POP: More presence in the vocals and midrange
- JAZZ: Accented lower frequencies for jazz-type music.
- USER: A customized curve (see "Setting a curve manually")

To display the current GEQ mode

Press MODE (GEQ on the remote control) once. The mode will be displayed for 4 seconds.

To cancel equalization

Press MODE once and then turn MULTI JOG within 4 seconds to select "GEQ OFF".

On the remote control, press GEQ and then within 4 seconds press PRESET \frown or \checkmark repeatedly until "GEQ OFF " is displayed.

Setting a curve manually

The equalization curve can be customized to suit your preference.

- **1** Press SOUND repeatedly to select one of the three frequency ranges to adjust.
 - BASS: Low range frequencies
 - MID: Middle range frequencies
 - TRE: High range frequencies
- **3** Repeat Step 1 and 2 to adjust all the three ranges if necessary.

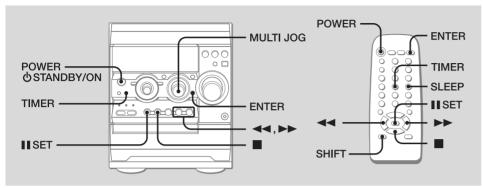
If you want to store your customized curve, proceed to the next step.

4 Hold down MODE (GEQ on the remote control) until "PRESET" flashes in the display and then press ENTER within 4 seconds.

The customized curve is stored in "USER"

- If you select one of the preset curves such as ROCK before performing STEP 1, you can customize a curve on it.
- Once one of the frequency ranges is adjusted, the GEQ indicator remains displayed until "GEQ OFF " is selected.

TIMER OPERATIONS



Sleep timer

Fn

Turns off the unit automatically after a specified time.

- 1 Press SHIFT+SLEEP on the remote control. "SLP" appears on the display.
- 2 Press ◀◀ or ►► repeatedly to set the sleep timer duration.

With each press, the timer duration changes in 5-minute steps between 5 to 240 minutes. If there is no button input for 4 seconds, the current setting is entered automatically. The unit turns off after the selected time.

• MULTI JOG is also available in place of \blacktriangleleft or $\blacktriangleright \triangleright$.

Tip:

The display is dimmed while the sleep timer is active.

To check the remaining time until the unit turns off

Press SHIFT+SLEEP on the remote control. The remaining time is displayed for 4 seconds.

To cancel the sleep timer

Press SHIFT+SLEEP twice on the remote control so that "SLP OFF" is displayed.

Timer playback

Turns on the unit at a specified time for the specified duration. Make sure the clock is set correctly.

1 Press TIMER (SHIFT+TIMER on the remote control).

"O" indicator lights up and "O PLAY" appears on the display. Then, the timer-on time and the source name appear alternately on the display.

2 Press ◀◀ or ►► to set the timer-on time, then press ENTER or ■SET.

If **I** is not pressed within 6 seconds, you will exit the timer setting mode and the previous setting, however, is entered.

3 Press ◀◀ or ►► to select the source, then press ENTER or ■SET.

4 Press ◄◄ or ►► to set the timer-activated duration, then press ENTER or ■ISET. With each press, the timer-activated duration changes in

5-minute steps between 5 to 240 minutes.

- 5 Press ◄◄ or ►► to adjust the volume level, then press ENTER or ■SET. Adjust from 0 to 26.
- **6** Prepare the source.

To play CD(s), load disc(s).

To play the radio, select the band and tune in to the desired station.

<u>To play a tape</u>, insert the tape and select the deck. <u>To play external equipment connected to the VIDEO/AUX</u> jacks, set an external timer for the equipment so that its playback begins at the same time.

7 Press POWER **O**STANDBY/ON to turn the unit off.

At timer-on time, the unit turns on and plays the selected source. After the specified timer-activated duration, the unit turns off again.

Tip:

The display is dimmed while the timer playback is active.

- To stop timer setting in steps 2 to 5, press I. Timer standby mode is also cancelled.
- Timer playback will not begin unless the unit is turned off first.
- Connected equipment cannot be turned on or off by the builtin timer of this unit. Use an external timer.
- MULTI JOG is also available in place of $\blacktriangleleft \blacksquare$ or $\blacktriangleright \triangleright$.
- In step 3, FUNCTION or Dial Function is also available to select the source.

In step 5, VOLUME $\clubsuit,-$ or VOLUME is also available to adjust the volume level.

To display the timer setting

Press TIMER.

The timer-on time, the source and the timer-activated duration are displayed for 6 seconds.

Tip:

Timer setting can be displayed even while the unit is turned off, and at that time if you press ENTER or **II** within 6 seconds after TIMER is pressed, you can enter the timer setting mode and change the setting.

To change the timer setting

Re-set the timer again.

To cancel the timer

Press TIMER repeatedly until "O **DFF**" is displayed. "O" disappears from the display.

Tip:

Your timer setting is retained even if the timer is cancelled. Next time the timer is activated, you can change your previous setting, or simply use the same setting again.

Timer recording

Timer recording is available only for TUNER and VIDEO/AUX (with an external timer) sources.

- Press TIMER (SHIFT+TIMER on the remote control) repeatedly until "OREC" appears on the display.
- 2 Carry out step 2 to step 5 described in "Timer playback".
- 3 Prepare the source.

To record the radio, select the band and tune in to the desired station.

To record external equipment connected to the VIDEO/ AUX jacks, set an external timer for the equipment so that its playback begins at the same time.

4 Insert the recording tape in DECK 2 and then turn the unit off.

Tip:

The display is dimmed while the timer recording is active.

Fn

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

Fn

Use a soft and dry cloth. If the unit 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.

To clean the tape heads

Dirty tape heads cause sound deterioration. After every 10 hours of use, clean the tape heads with a head cleaning cassette. Refer to the instructions of the cleaning cassette.

To demagnetize the tape heads

Use a demagnetizing cassette after every 20 to 30 hours of use. Refer to the instructions of the demagnetizing cassette.

Care of CDs

When a CD becomes dirty, wipe it from the centre out with a cleaning cloth. After playing a CD, store it in its case. Do not keep it in hot or humid places.

Care of tapes

Store tapes in their cases after use. Do not leave tapes near magnets, motors, television sets, or any source of magnetism. Do not expose tapes to direct sunlight, or leave them in a car parked in direct sunlight.

Troubleshooting

If your unit fails to perform properly, check the following guide and the relevant sections of the Operating Instructions.

There is no sound.

• Are the speakers and AC power cord connected properly?

The unit shut off suddenly.

 Possibly a short circuit in the speaker terminals. Disconnect the AC power cord from the wall socket and re-connect the speaker cords correctly.

The unit blacks out when the unit is turned off.

• Is ECO mode set to on?

Erroneous display.

Reset the unit.

Poor radio reception.

- Check antenna connection. Adjust the antenna to find the best reception.
- Move unit and antenna away from other electric appliances and cords.

The tape does not run.

• Is the deck in pause?

Poor tape sound.

- Check for dirty heads. Clean them if needed.
- Use type I (normal) tapes.

Cannot record.

• Is the erasure prevention tab of the tape broken off? If so, cover the detection slot with adhesive tape.

The CD player works poorly.

- Is the disc correctly loaded?
- Is the disc dirty?
- Is the lens affected by condensation? If so, wait approximately one hour and try again.

Resetting the unit

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

1 Press POWER to turn off the power.

If the power cannot be turned off, disconnect the AC power cord, then plug it in again.

2 Hold down 🔳 and press POWER.

Everything stored in memory after purchase is cleared.

Specifications MAIN UNIT CX-NR71

TUNER

FM tuning range FM usable sensitivity (IHF) FM antenna terminal MW tuning range

MW usable sensitivity LW tuning range LW usable sensitivity MW/LW antenna

AMPLIFIER

Power output

Total harmonic distortion

Input Outputs

CASSETTE DECK

Track format Frequency response Recording system Heads

CD PLAYER

Laser D/A converter Signal-to-noise ratio Harmonic distortion 87.5 MHz to 108 MHz 16.8 dBf 75 ohms (unbalanced) 531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step) 350 μV/m 144 kHz to 290 kHz 1400 μV/m Loop antenna

Rated: 64 W + 64 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 80 W + 80 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) DIN MUSIC POWER: 210 W + 210 W 0.08 % (32 W, 1 kHz, 6 ohms, DIN AUDIO) VIDEO/AUX: 500 mV SPEAKERS: 6 ohms or more CD DIGITAL OUT (OPTICAL) PURVEC 20 ohms on more

GENERAL

١

230 V AC, 50 Hz
105 W
With ECO mode on: 0.6 W
With ECO mode off: 20 W
260 x 324 x 360 mm
7.1 kg

FRONT SPEAKERS SX-NR70

Speaker system	3 way, bass reflex (magnetic
	shielded)
Speaker units	Woofer: 160 mm cone
	Tweeter: 60 mm cone
	Super tweeter: 20 mm ceramic x 2
Impedance	6 ohms
Dimensions (W x H x D)	250 x 324 x 260 mm
Weight	4.2 kg

Specifications and external appearance are subject to change without notice.

COPYRIGHT

Check copyright laws relevant to recordings from discs, radio or tape for the country where the unit is to be used.

4 tracks, 2 channels stereo 50 Hz – 15 kHz 4 chais

AC bias DECK 1: playback x 1 DECK 2: recording/playback x 1, erase x 1

 $\begin{array}{l} \mbox{Semiconductor laser} (\lambda=780\mbox{ nm}) \\ \mbox{1 bit dual} \\ \mbox{85 dB (1 kHz, 0 dB)} \\ \mbox{0.05 \% (1 kHz, 0 dB)} \end{array}$

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laitteen käyttäminen muulla kuin tässä käyttöohjeessaa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteiylle.

VARNING!

Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsätta för osnylig laserstrålning, som överskrider gränsen för laserklass 1.

OBSERVERA

Så länge som apparaten är ansluten till nätet flyter en svag ström genom densamma, även då den är avstängd. Om man under en längre tid ej har för avsikt att använda den, drag då ur nätkabeln.

BEMÆRK

Apparatet er stadig forbundet med lysnettet, så længe stikket er tilsluttet til stikkontakten, selv om afbryteren er slået fra. Hvis apparatet ikke bruges i længere tid, skal netledningen trækkes ud.



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