

# aiwa

**COMPACT DISC STEREO SYSTEM**  
**SISTEMA ESTEREO CON REPRODUCTOR DE DISCOS COMPACTOS**  
**CHAINE STEREO AVEC LECTEUR DE DISQUES COMPACTS**

# NSX-MT520

**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)

**WARNING**

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

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>“CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.”</p>		

**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.

**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-NMT520	
SX-NA502	
SX-R275	
SX-C605	

**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 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**

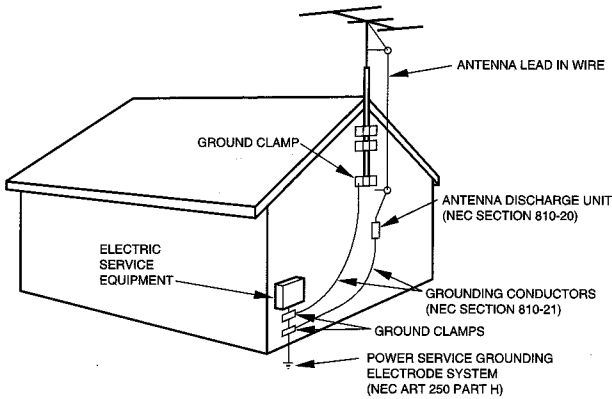
- 1 Power sources** — Connect this unit only to power sources specified in the Operating Instructions, and as marked on the unit.
- 2 Polarization** — As a safety feature, some units are equipped with polarized AC power plugs which can only be inserted one way into a power outlet. If it is difficult 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 firmly secured to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power outlet.
  - 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 plug from the power 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 themselves.

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.**

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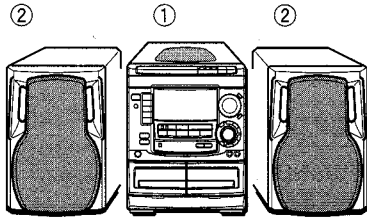
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# SETTING UP

The DOLBY PRO LOGIC system which is the biggest feature of this stereo system provides you with multi channel sound in your home.

Complete setting and connection of the main unit, supplied speakers, your TV and video equipment according to the following procedure.

### Check your system and accessories



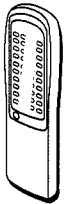
- ① CX-NMT520 Compact disc stereo cassette receiver
- ② SX-NA502 Front speakers



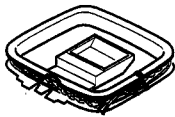
SX-R275  
Surround speakers



SX-C605  
Center speaker



Remote control



AM antenna

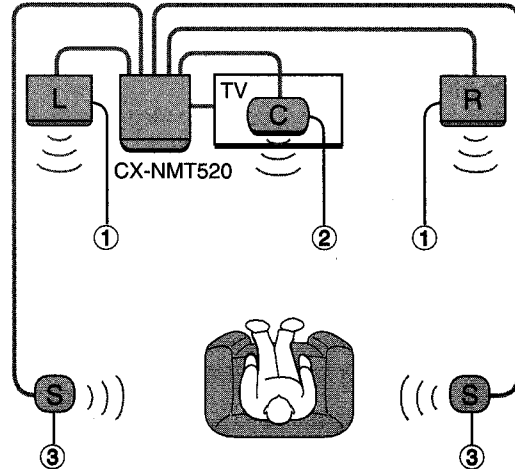


FM antenna

Operating Instructions, etc.

## POSITIONING THE SPEAKERS

To achieve the optimum effects obtainable with the DOLBY PRO LOGIC system, it is important to position the speakers properly. Refer to the following illustration to find out the best location in your room.



- ① **Front speakers**
- ② **Center speaker**  
Position in the center of the two front speakers. In addition, position on or below the TV set, if connecting a TV set to the unit.
- ③ **Surround speakers**  
Place the surround speakers directly to the side of or slightly behind the listening area. Align them horizontally, about 1 meter (3.2 feet) above ear height.

### NOTE

- No sound is heard from the center and surround speakers when the DOLBY PRO LOGIC, the SURROUND system and the 5.1 CH (page 28) are set to off.
- The center speaker sounds when the DOLBY PRO LOGIC or the 5.1 CH (page 28) is set to on.

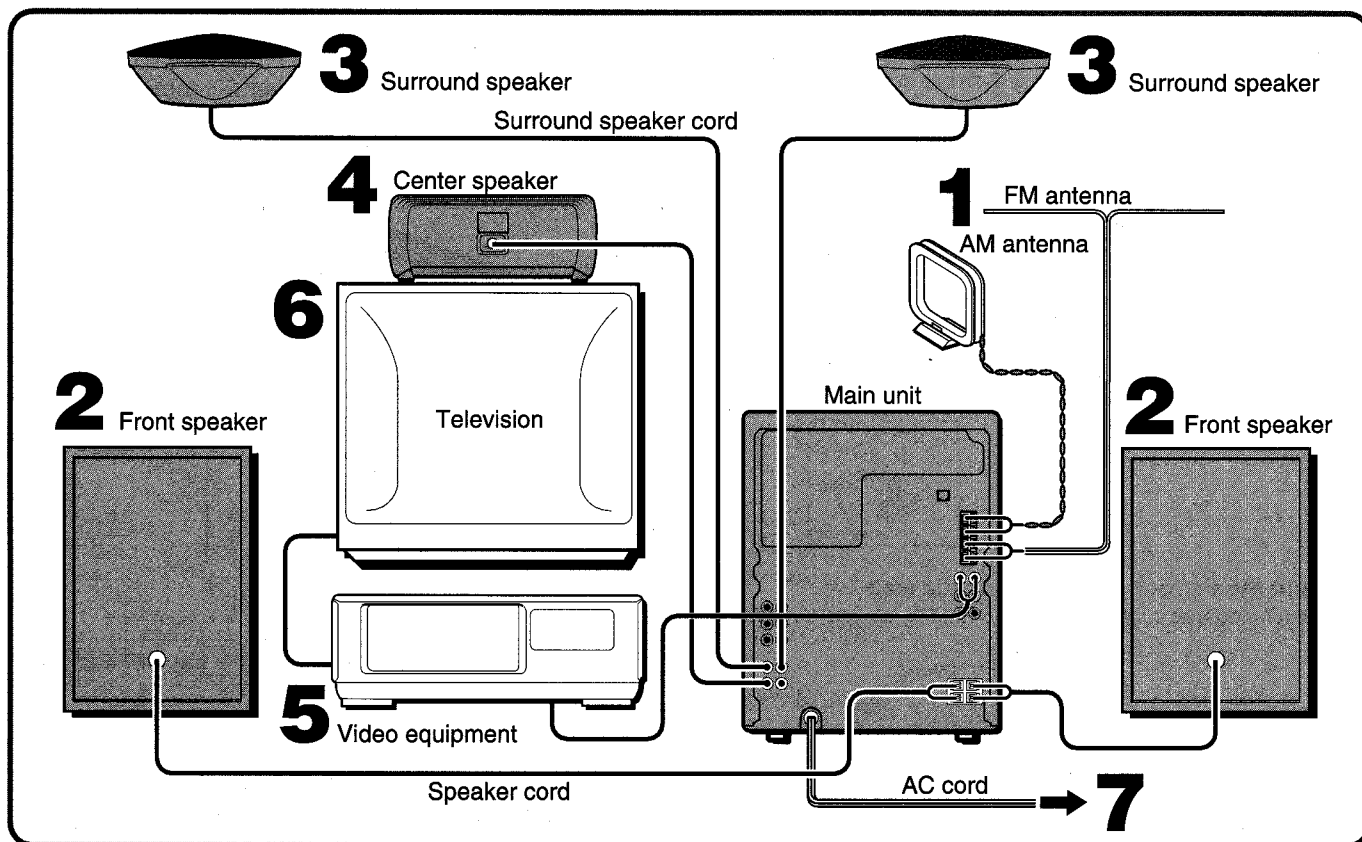
## CONNECTIONS

### 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.

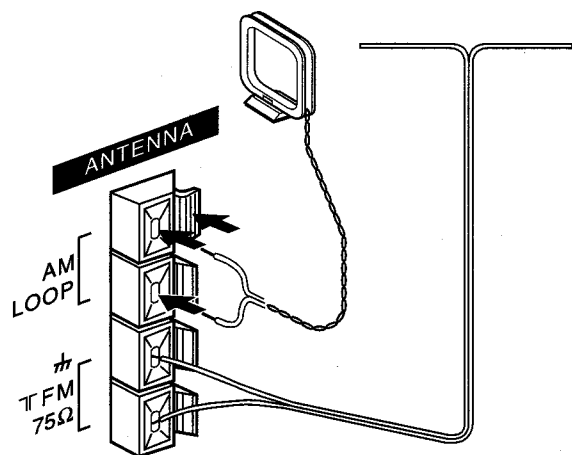
### IMPORTANT

Connect the speakers, antennas, and all optional equipment first. Then connect the AC cord.



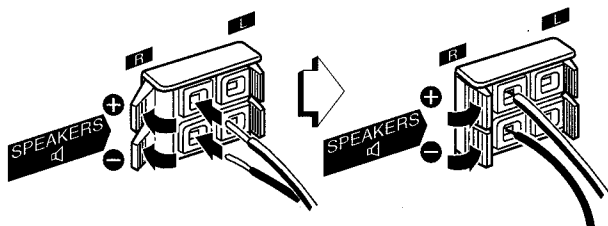
**1 Connect the supplied antennas.**

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



**2 Connect the front speakers.**

The speaker placed on the right side of the unit facing you is "the right speaker" and another one is "the left speaker".

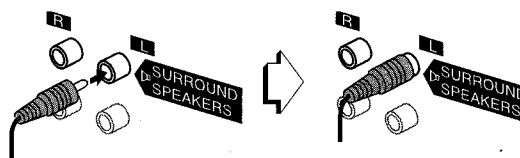


The cords with white stripes should be connected to **+** terminals and the other cords to **-** terminals.

**3 Connect the surround speakers.**

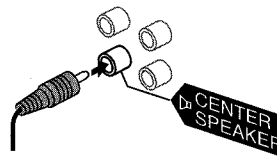
Connect the surround speaker cords to **SURROUND SPEAKERS** terminals.

There is no difference between the surround speakers. Both speakers can be connected as R (right) or L (left).



**4 Connect the center speaker.**

Connect the center speaker cord to **CENTER SPEAKER** terminal.



**5 Connect the video equipment.**

Connect **VIDEO/AUX** jack of this unit to the audio output jack of the video equipment with an optional audio connecting cord.

**6 Connect the Television to the video equipment.**

Refer to the Operating Instructions of the connected equipment for details.

**7 Connect the AC cord to an AC outlet.**

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### To position the antennas

#### FM feeder antenna:

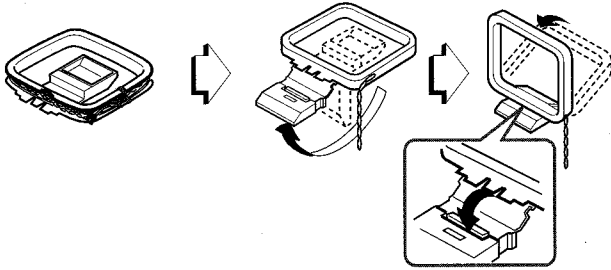
Extend this antenna horizontally in a T-shape and fix its ends to the wall.

#### AM antenna:

Position to find the best possible reception.

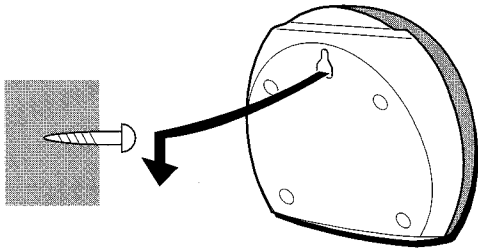
### To stand the AM antenna on a surface

Fix the claw to the slot.



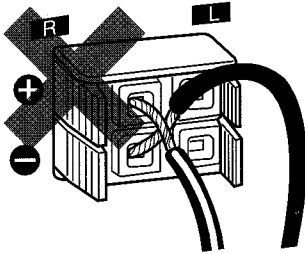
### To mount the surround speakers on the wall

Mount each speaker on a spot that can hold its weight.



#### NOTE

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

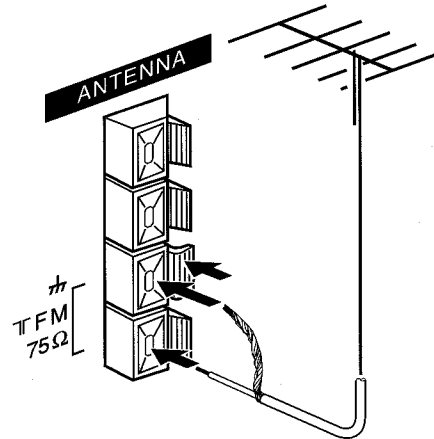


- Do not leave objects generating magnetism, such as credit cards, near the speakers, as these objects may be damaged.
- Do not bring the FM antenna near metal objects or curtain rails.
- Do not bring the AM antenna near other optional equipment, the stereo system itself, the AC cord or speaker cords,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

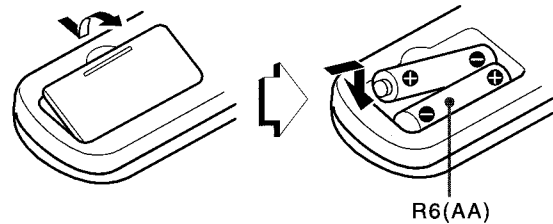


To connect other optional equipment → page 27 and 28.

## 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.

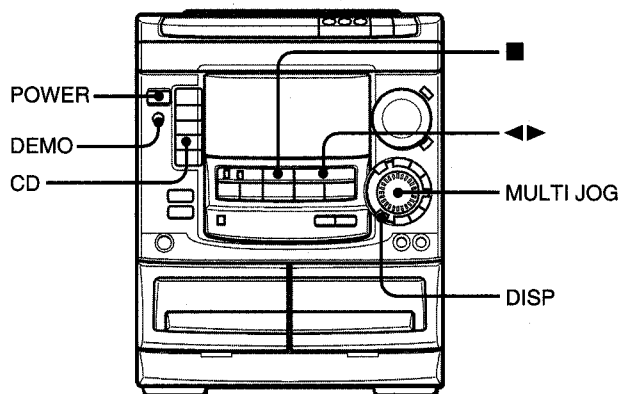
### Using the remote control

The instructions in this manual refer mainly to the buttons on the main unit. Buttons on the remote control with the same names as those on the main unit can be used as well.

#### NOTE

- If the remote control 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 power on

Press one of the function buttons (**TAPE**, **TUNER**, **VIDEO/AUX**, **CD**, **MD**). Playback of the inserted disc or tape begins, or the previously tuned station is received (Direct Play Function). **POWER** is also available.

When the unit is turned on, the disc compartment may open and close to reset the unit.

## To turn the power off

Press **POWER**.

## Flash windows

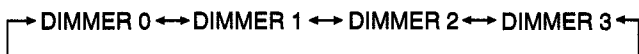
The windows on the top of the unit and the cassette decks light up or flash while the unit is being powered on.

To turn off the light of the top window, press ■ while pressing **CD**. To turn back on, repeat the above.

The light of the cassette decks cannot be turned off.

## To dim the illumination of the display

- 1 Press **DISP** twice so that "DIMMER" is displayed.
- 2 Within 4 seconds, turn **MULTI JOG** to select the dimmer mode as follows.



**DIMMER 0:** The normal display.

**DIMMER 1:** The illumination of the display is dimmer than usual.

**DIMMER 2:** The illumination of the display is dimmer than DIMMER 1.

**DIMMER 3:** The illumination of the display is dimmer than DIMMER 2. The spectrum analyzer, the illumination on the buttons, and the windows on the top of the unit and the cassette decks light off.

## To change the spectrum analyzer display

3 patterns of spectrum analyzer display can be shown.

Press **DISP** once, and turn **MULTI JOG** within 4 seconds to select the desired spectrum analyzer display.

## Game Demo

When the AC cord is connected, the display window demonstrates the game Demo. When the power is turned on, the game Demo is overridden by the operation display. When the power is turned off, the game Demo is restored.

### To cancel the game Demo

Press **DEMO**. To re-activate the game Demo, press **DEMO** again.

### To play the game Demo

- 1 Press **DEMO** so that the game Demo displays.
- 2 Press ◀▶.
- 3 Press ■ once.  
The number on the left side stops.
- 4 Press ■ twice to stop the remaining two numbers.

#### Scoring:

20 points are given to start the game.

If all the numbers are equal, 50 points are added to the score.

If not equal, one point is subtracted.

If the gained points reach 9999, you win.

If the gained points fall to 0, you lose.

### To reset the game Demo

Press **DEMO** twice, then press ◀▶. The game starts again.

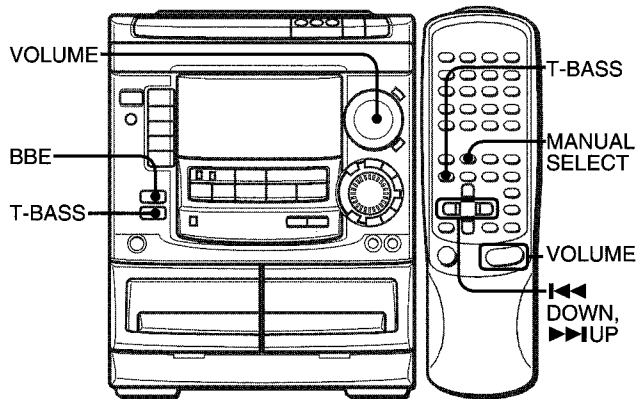
### NOTE

- During playing the game Demo, ■ and ◀▶ are available only for the game Demo. Cancel the game Demo to use these buttons for the functions such as CD playing, etc.
- During the game Demo, some indicators unrelated with the actual operation light up on the display.

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PREPARATIONS

## AUDIO ADJUSTMENTS



### VOLUME

Turn **VOLUME** on the main unit, or press **VOLUME** on the remote control.

The volume level is displayed as a number from 0 to MAX (50). The volume level is automatically set to 20 when the power is turned off with the volume level set to 21 or more.

#### To change the left/right balance

Press **MANUAL SELECT** on the remote control. L/R is displayed for 2 seconds. Press **◀ DOWN** or **▶ UP** on the remote control within these 2 seconds.

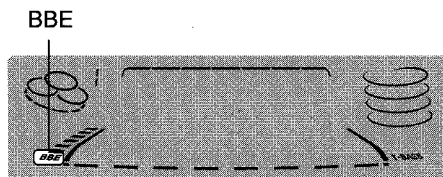
- The DOLBY PRO LOGIC and the DOLBY DIGITAL SURROUND front speakers level is also changed. (See page 21 and 28)

### BBE SYSTEM

The BBE system enhances the clarity of high-frequency sound. It also enriches the Karaoke function to make your voice sound clear and pleasant.

#### Press BBE.

Each time it is pressed, the level changes. Select one of the three levels, or the off position to suit your preference.



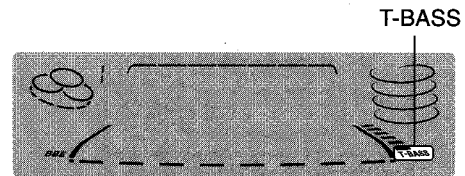
- The BBE system does not perform while the 5.1 CH (page 28) is selected.

### 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.



#### 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.
- When playing back a tape recorded with BBE, it is recommended that BBE be set to off to avoid distorted high frequency sound.



