STEREO RECEIVER
RZ-2500
RZ-3500 II

OPERATING INSTRUCTIONS
使用說明書

ENGLISH

Table of contents

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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.

WARNING: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
* **The model No. and Serial No. of your unit are shown on its back panel.**
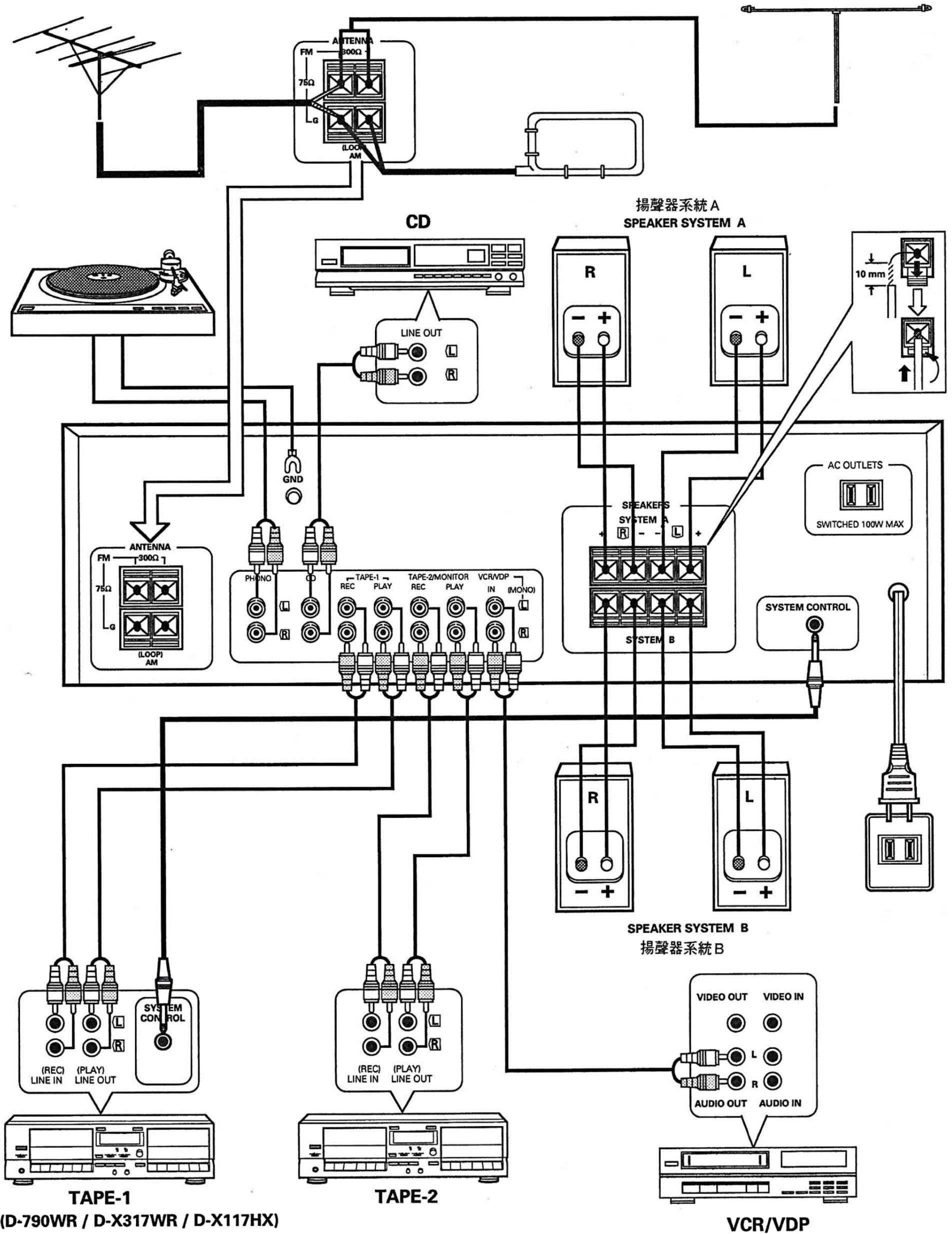* **The appliance conforms with EEC directive 87/308/EEC regarding interference suppression**

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

注意：為避免觸電，切勿移走殼蓋（或背蓋）。殼蓋內沒有使用者可用的零件應由合格的維修人員提供修理。

等邊三角形內的雷電箭頭用來提醒使用者注意產品殼內未經絕緣的危險電壓。這些電壓值相當大，會有觸電危險。

在等邊三角形中的警嘆標記用來提醒使用者注意設備說明書中提到的重要操作說明和維修（服務）說明。

警告：為防止火災和觸電危險，切勿將本設備放置在雨淋或潮濕環境中。
* 此機之型號及編號是寫於背板上。
* 本設備符合EEC指定的消除干擾的87/308/EEC條例。

SANSUI

Connection Diagram _____ 接線圖 _____

揚聲器系統 A
SPEAKER SYSTEM A

CD

LINE OUT
L
R

R   L
– +   – +

10 mm

GND

ANTENNA
FM ┌300Ω┐
75Ω
┗G
(LOOP)
AM

PHONO   CD   TAPE-1   TAPE-2/MONITOR   VCR/VDP
              REC   PLAY   REC   PLAY   IN   (MONO)
L   L
R   R

ANTENNA
FM ┌300Ω┐
75Ω
┗G
(LOOP)
AM

AC OUTLETS

SPEAKERS
SYSTEM A
+ R – – L +
SWITCHED 100W MAX

SYSTEM CONTROL

SYSTEM B

R   L
– +   – +

SPEAKER SYSTEM B
揚聲器系統 B

SYSTEM
CONTROL

L
R
(REC)   (PLAY)
LINE IN LINE OUT

L
R
(REC)   (PLAY)
LINE IN LINE OUT

VIDEO OUT   VIDEO IN

L
R
AUDIO OUT   AUDIO IN

TAPE-1
(D-790WR / D-X317WR / D-X117HX)

TAPE-2

VCR/VDP

2

Precautions

Be sure to read this section before operating the unit.

Precautions when plugging or unplugging the power cord

* When unplugging the power cord, be sure to hold the plug section while pulling. Pulling the plug out by grasping the cord may cause the cord to break or cause a short to occur and is very dangerous.
* Do not plug or unplug the power cord when your hand is wet or damp as this may cause an electrical shock.
* Do not damage the power cord or place heavy objects on top of the cord as this may cause shock or fire.

Installation precautions

Do not install the unit in any of the following locations since this may result in a deterioration in performance or malfunction:
* Locations exposed to direct sunlight or near objects radiating heat such as heating appliances.
* Locations exposed to moisture or humidity.
* Locations with poor ventilation exposed to dust and dirt.
* Locations which are unstable and not perfectly flat or which are susceptible to vibration.

Do not remove the case, back plate or bottom plate

Do not make any internal inspections or adjustments yourself or touch any of the internal components, as this could damage the unit or cause electrical shock.

The warranty on this unit does not cover any damage or loss of performance caused by internal modifications.

Do not wipe with thinner

Wipe the panels and case from time to time with a soft cloth. Using any kind of thinner, alcohol or volatile liquid will mar the surface, cause blotching on the exterior and erase the markings and should therefore be avoided.

Do not use insecticide sprays in the vicinity.

Do not block the ventilation holes.

The ventilation holes located in the top and bottom of this unit are designed to efficiently utilize air convection to disseminate heat generated inside the unit during operation.

Since excessively high internal temperatures resulting from poor ventilation can cause malfunction or fire, pay particular attention to the following precautions.
* Do not place the unit on a soft surface such as a blanket or thick (long shag) carpet.
* Do not install the unit in a sealed rack or other closed location.

If the unit is not to be used for a long period

If the unit is not to be used for a long period of time, unplug the power cord from the AC outlet. Leaving the power cord connected may cause an unexpected disaster.
* **In order to simplify the explanations may sometimes differ from the originals.**

In cases such as those listed below, immediately unplug the power cord and contact your dealer or the nearest Sansui service station (see the provided service station list).

If a foreign object enters the unit

If a foreign object such as a hairpin or a coin enters the inside of the unit, continued operation may cause a malfunction, fire, or electrical shock.

Be especially careful of this when children are present.

If water enters the unit

Water entering the unit may cause a malfunction, fire, or electrical shock. If waters enters the unit, immediately unplug the power cord taking care not to touch the body of the unit.

Do not place flower vases or cups containing liquids on top of the unit.
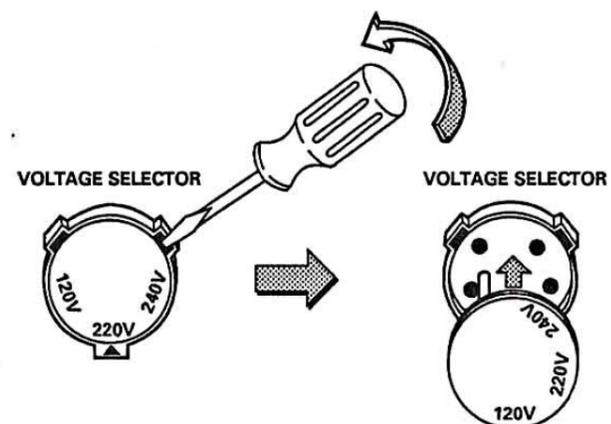
If the unit starts operating abnormally

If you detect smoke or an abnormal noise or smell coming from this unit, continued operation may cause the damage to spread or cause or a fire or electrical shock.

Before connecting the power plug

Before connecting the power plug to an electrical outlet, check to be sure that the unit is set to the proper voltage for your area. If the voltage of the unit is improperly set, fire hazard or damage to the unit may result. If you find that the unit is not set to the proper voltage for your area, follow the instructions listed below:

* **Units with VOLTAGE SELECTOR switch at rear panel**

  These units are set at either 120V, 220V or 240V with the VOLTAGE SELECTOR. To change the voltage use a flat screwdriver to remove the plug, and reinsert it so that the mark(▲) matches the desired voltage.

* **Units without voltage selector switch**

  Units destined for some areas are not fitted with a voltage selector switch due to laws and regulations existing in those areas. In such a case, the power supply voltage is set to the voltage used in the area where the unit is purchased.

  If the unit is to be used in an area where the power requirements are different, make sure you consult your nearest authorized SANSUI Service Station.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Connections

Look at this together with the Connection Diagram on page 2.

Connection precautions

* When making any connections, either disconnect the power plug from the power outlet or turn off the unit's power using the POWER switch.
* Insert the plugs securely. Improper connection can lead to the generation of noise.
* Allowing the lead-in wire of the connected antenna to come into contact with other parts or connecting it improperly may lead to poor reception and noise generation.

Various components can be connected to the rear panel terminals as follows:

TAPE-1 Jacks: Connect to a cassette deck-1.
TAPE-2 Jacks: Connect to a cassette deck-2.
VCR/VDP (AUDIO IN) jacks: Connect to the AUDIO OUT jacks of VCR (VDP).
CD Jacks: When connected to a Sansui CD player, you can operate the CD player using this unit's remote control unit.
PHONO Jacks: Connect to a turntable.
SYSTEM CONTROL jack: By connecting this jack to the SYSTEM CONTROL jack of an electronically-controlled cassette deck from SANSUI, the tape transport can be controlled from the remote control unit of this receiver.

AC outlet

SWITCHED (100W total capacity): The power of the connected components is switched on and off when the unit's POWER switch is operated.

* It is extremely dangerous to connect an electrical appliance having a power consumption exceeding the specified capacity. Before connecting the appliance or components, check its power consumption rating.
* A high voltage flows to the AC outlet and so hairpins or other metal objects must not be inserted since this will result in an electric shock.

Speaker Systems

Two sets of speakers (A and B) can be connected to this unit.

When viewed from the front (the listening position), the speaker mounted on the left should be connected to the L terminals, and the speaker mounted on the right should be connected to the R terminals. Be sure to connect the polarities of the speaker systems and the SPEAKER terminals correctly (+ to +, – to –). If the polarity of one of the speaker systems is connected improperly, sound in the central area between the speakers will appear to be missing, and the position of instruments will not be clear, resulting in a loss of stereo directionality; so take care when connecting.

* When connecting, do not allow the conductor of the speaker cords to be exposed from the terminals and come into contact with other terminals.

RZ-3500 II

About speaker system impedance

When the two speaker systems connected to the SYSTEM-A and SYSTEM-B terminals are to be used separately or together, their rated impedance may range from 8 ~ 16 ohms.
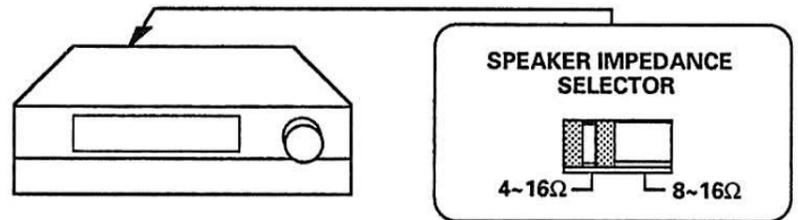If one or both of the speaker systems has a rated impedance of less than 8 ohms, the protection circuit may operate during play, or malfunction may result.

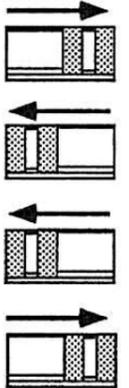## RZ-2500

About speaker system impedance

When the two speaker systems connected to the SYSTEM-A and SYSTEM-B terminals are to be used separately, their rated impedance may range from 4 ~ 16 ohms, but when two systems are to be used together (A and B), the rated impedance of both systems should be 8 ohms or more.
If one or both of the speaker systems has a rated impedance of less than 4 ohms, the protection circuit may operate during play, or malfunction may result.

Set the SPEAKER IMPEDANCE SELECTOR switch as follows
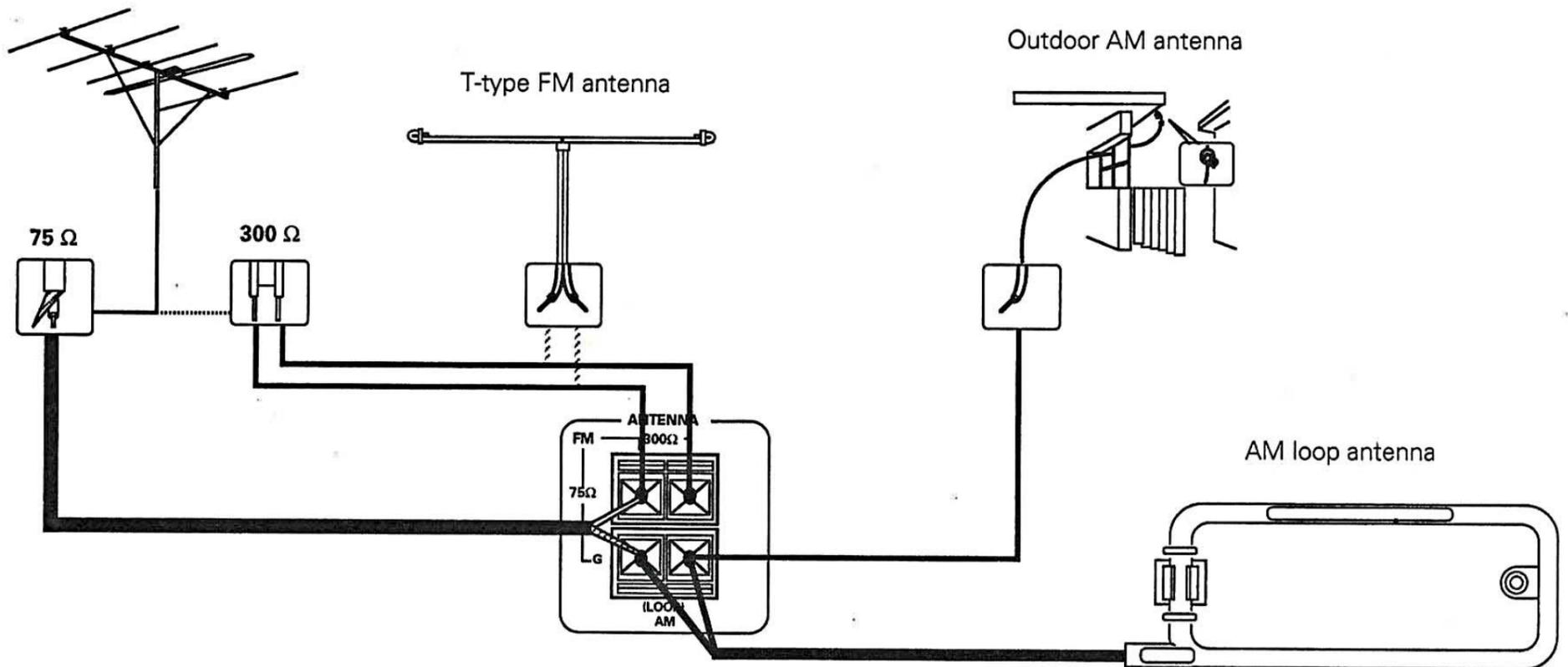
a) When a pair of speakers with an impedance of 8 ohms or more is connected to the A or B terminals: Set to "8~16 ohms".
b) When a pair of speakers with an impedance of less than 8 ohms is connected to the A or B terminals: Set to "4~16 ohms".
c) When pair of speakers with an impedance of 8 to 16ohms are connected to both the A and B terminals: Set to "4~16 ohms".
d) When pair of speakers with an impedance of 16 ohms or more are connected to both of the A and B terminals: Set to "8~16 ohms".

CAUTION:

Turn off the POWER switch before using the SPEAKER IMPEDANCE SELECTOR switch.

Outdoor FM antenna

T-type FM antenna

Outdoor AM antenna

75 Ω   300 Ω

AM loop antenna

AM loop antenna connection

Connect the cord of the accessory AM loop antenna to the AM LOOP antenna terminals, and attach it to the antenna holder.
* AM reception is not possible with the loop antenna detached. Even if an outdoor AM antenna is erected, keep this loop antenna in place.
* Do not bring the power cord or the speaker cords near the loop antenna since noise will be generated.
* Reception may be unstable if the loop antenna is installed very close to the wall. Install the antenna away from the wall.

Outdoor AM antenna

When the signals of an AM station received are weak, the sound may be drowned out by other broadcast stations and noise is heard. In particular, the signals are weaker indoors than outdoor while noise can also be picked up from other electrical appliances. In cases like this, proceed as follows:
1. Move the loop antenna and find the position which yields the best reception.
2. Place the power cord and speaker cords away from the loop antenna.
3. Try changing the installation location.
   If the reception is still not improved, twist a vinyl-covered conductor and the loop antenna conductor together and connect one end to the AM LOOP antenna terminals and extend the other end outdoors.
* Keep the loop antenna attached even when erecting an outdoor AM antenna. Reception of AM stations is not possible once the loop antenna is removed.

Connecting the T-type FM antenna

Connect the antenna to the FM 300-ohms antenna terminals, spread the two ends in the shape of the letter "T," find the direction which yields the best reception and secure the antenna to the ceiling or wall. Secure it as high as possible. Reception is unstable if the antenna is installed in a low position or where people as passing by all the time.
* Remove the T-type antenna if you connect an outdoor FM antenna.

Connecting the outdoor FM antenna

There are two types of lead-in wires for connecting the receiver with the outdoor antenna: 75-ohms coaxial cable and 300-ohms feeder.
300-ohms feeder connection:
   Strip and shape the ends of the feeder as in the figure and connect them to the FM 300-ohms antenna terminals.
* Keep the lead-in wire at a distance from power cords and lights. Any excess wire should not be bundled up, but cut.
75-ohm coaxial cable connection:
Prepare the end of the coaxial cable as shown in the figure, connect the cable to the FM antenna connector at the back of the unit.

AM channel plans

AM programs are being broadcast under channel plans which, depending on the broadcasting area in the world, are characterized by different channels (frequency intervals) between broadcasting stations. In North, Central and South America, this channel is 10 kHz whereas in the rest of the world, it is 9 kHz.
Your unit is a synthesizer tuner which varies the reception frequency at each 9 kHz or 10 kHz channel (frequency interval) during reception. If you use your unit in an area with a different channel plan, you may not be able to receive AM stations. The unit you have purchased has been adjusted to the channel in your area. It is therefore necessary to change over the channel setting if you move to an area with a different channel plan.
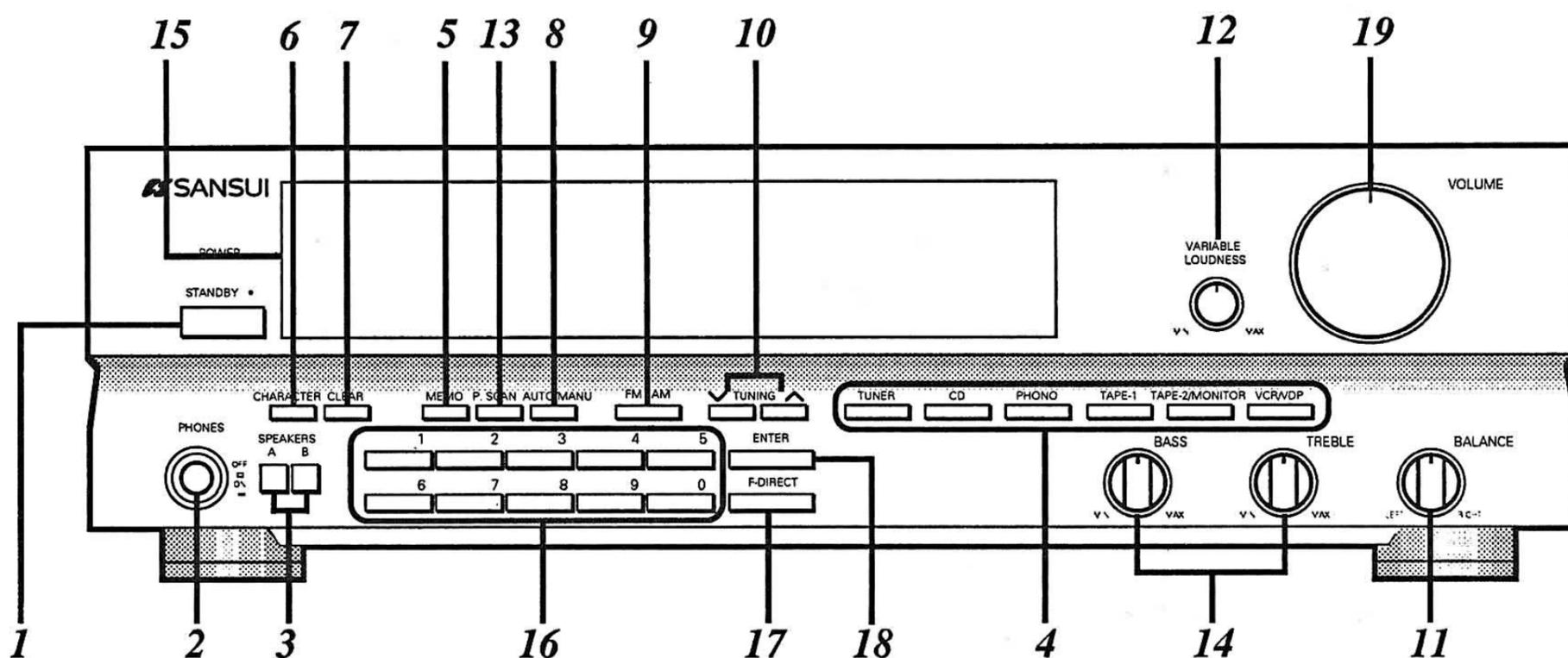1. Disconnect the power supply of the unit.
2. Slide the AM CHANNEL selector switch, located at the bottom plate of the unit, to the proper position.
* Make inquiries at your dealer or nearest Authorized Sansui service Station if your unit is not provided with an AM CHANNEL selector switch.

NOTE:
   Depending on the sales area, your unit may of may not be provided with an AM CHANNEL selector switch.

Panel information

1. POWER Switch

This switch turns the power ON/OFF (STANDBY).
* The STANDBY indicator will illuminate when in standby mode.
NOTE: Even when the POWER switch is at the STANDBY position, power still flows to part of the internal circuitry. When the unit is not being used for a long period of time, the power plug should be disconnected from the AC outlet.

2. PHONES (Headphones) Jack

Connect stereo headphones to this jack.
When you want to listen to the sound through your headphones and not through the speakers, set all the SPEAKERS switches to the "OFF" position.

3. SPEAKERS Switches

Depress the switch SPEAKERS-A or SPEAKERS-B, corresponding to the terminals to which the speaker system has been connected, to the "ON" position, and sound will then be heard through those speakers.

4. Input Selector

TUNER Button: Press to listen to a radio broadcast. "TUNER" appears in the display. Tuning cannot be carried out unless this button is pressed first.
CD Button: Press to listen to a CD or CDV disc. "CD" appears in the display.
PHONO Button: Press to listen to a record album. "PHONO" appears in the display.
TAPE-1: Press this button to play a tape in a tape deck-1 connected to the TAPE-1 terminal, or to dub from TAPE-1 to TAPE-2.
TAPE-2/MONITOR: Press this button to play a tape in a tape deck-2 connected to the TAPE-2 terminal, or to dub from TAPE-2 to TAPE-1.
* If you wish to listen to another program source, press this button once more, and the "T-2" indicator will go out.
* By pressing the TAPE-2 button when recording using TAPE-2, the recorded signal will be output from the PLAY terminal of the tape deck, enabling you to monitor it.
VCR/VDP: Press to listen to the audio from a VCR or videodisc player (VDP).

5. MEMO Button

When presetting a station, press the MEMO button first, then press the PRESET STATION button, and press the ENTER button.

6. CHARACTER Button

This button is used with the station call memory function, which lets you assign a name to each preset station, using up to 4 alphanumeric or symbol characters and display it.
To assign a character or symbol, first receive a preset station, then press the CHARACTER button, and finally input each character by repeating the cycle of TUNING button → ENTER button.

7. CLEAR Button

To clear the character display of a preset station which has been input with the station call memory function, press the CHARACTER button, then the CLEAR button.

8. AUTO/MANU Button

This button switches the tuning mode between AUTO and MANUAL during FM/AM reception. The "AUTO" indicator turns on or off each time the button is pressed.
When the "AUTO" indicator is on: AUTO tuning is set. When a TUNING button is pressed, the unit automatically tunes in the next station.
When the "AUTO" indicator is off: MANUAL tuning is set. Pressing a TUNING button once changes the reception frequency by one step, and holding a TUNING button pressed changes the reception frequency continuously.
* In MANUAL tuning mode, FM MUTING function is turned off, and the reception becomes monaural.

9. FM/AM Button

Each time this button is pressed while receiving radio broadcasts, the tuner switches between FM and AM.
If pressed while another program source is playing, playback switches to the tuner.

10. TUNING Buttons

Press these buttons to tune in the desired station.

11. BALANCE Control

12. VARIABLE LOUDNESS Control

When listening at low volume, human ears become less sensitive to both high and low frequencies. To adjust the balance of the different frequency ranges for a more suitable balance to your ears, turn the LEVEL control to enhance the low and high frequencies. When this function is not used, turn the control fully counterclockwise for a flat response.

13. P. SCAN (Preset Scan) Button

Press to activate preset scan tuning, where each preset station is received for 5 seconds in sequence. To stop scanning, press the ENTER button.

14. Tone Controls (BASS, TREBLE)

The bass sound is emphasized when the BASS knob is rotated clockwise from its center position while it is attenuated when the knob is rotated counterclockwise.
The treble sound is emphasized when the TREBLE knob is rotated clockwise from is center position while it is attenuated when the knob is rotated counterclockwise.

15. Display
Displays the reception frequency, reception band, reception mode, MEMORY indicator, preset channels, input selector mode, and MUTE indicator.
STEREO: The STEREO indicator appears while FM stereo broadcast is received.
SCM (Station Call Memory): This indicator appears when a broadcast station name is entered.

16. PRESET STATION Buttons
Up to 30 FM and AM stations can be memorized under these buttons.

17. F.DIRECT (Frequency Direct) Button
The frequency of the desired station can be entered in numeric digits. First press this button, then enter the frequency using numeric buttons 1 to 0, and press the ENTER button.

18. ENTER Button
Press this button to establish the frequency direct tuning or the station call memory operations.
* If the ENTER button is not pressed, these operations are canceled in about 10 seconds

19. VOLUME Control
Turn this control to adjust the volume of the speakers or headphones.

Remote Controller

20. CD Player Operation Buttons
|◄◄/►►| **Buttons:** Use for skipping to a desired tune on a compact disc. These buttons can also be used to recall preset stations when using the tuner.
■ **Button:** Stop button.
►/|| **Button:** Play/pause button.
DISC Button: When using a Sansui CD-390M, you can use this button to select discs.

21. Tape Deck Operation Buttons
When cassette deck is connected to this unit by the System Control Jacks, the cassette deck functions can be controlled from these buttons.

22. VCR/VDP Button

23. PHONO Button

24. TUNER/BAND Button
The unit will switch to "TUNER" when this button is first pressed, and subsequently each time it is pressed the band will be alternately selected.

25. P. CALL Buttons (Preset Call)
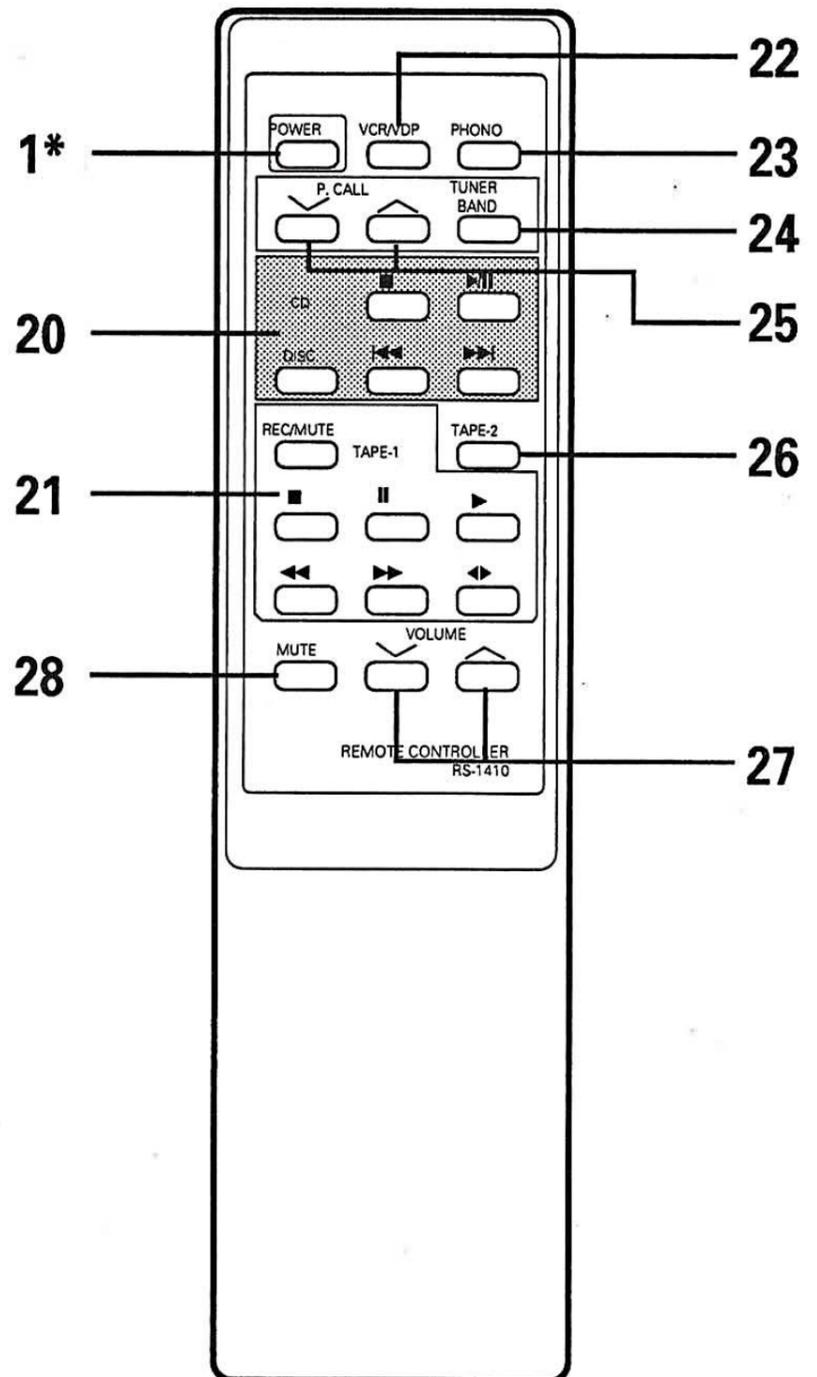Use this button to recall a preset channel.

26. TAPE-2 Button

27. VOLUME Buttons
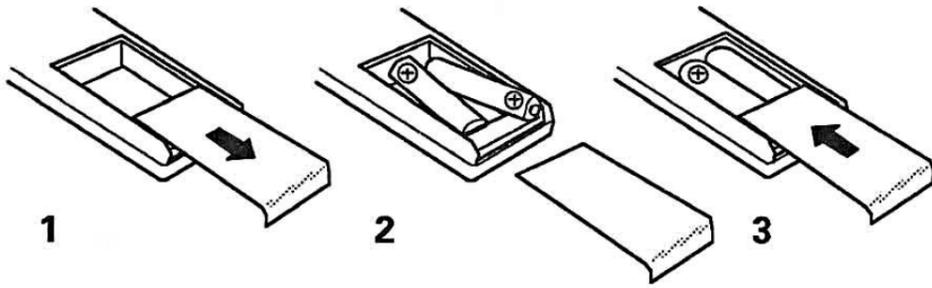These buttons adjust the overall sound volume.

28. MUTE Button
To mute the sound temporarily, (to answer a phone call. etc..) press this button. Pressing the button again cancels this function.

Inserting the batteries

1. Remove the cover of the battery compartment.
2. Insert the two accessory IEC R6 (type "AA") batteries.
   Align the polarities of the batteries with the (+) and (–) markings inside the compartment and insert properly.
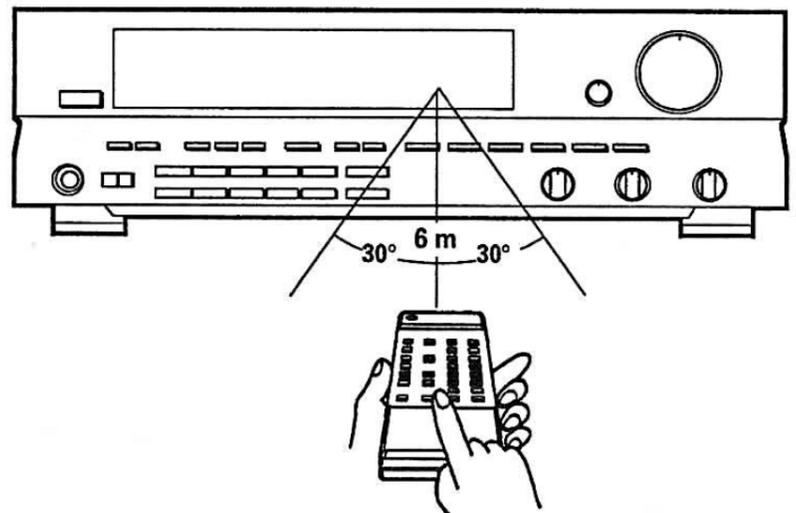3. Replace the compartment lid.

Replacing the batteries

The operating range of the remote controller will be reduced when the batteries wear out. If this happens, replace the two batteries with fresh units.

* Use two 1.5 V IEC R6 (type "AA") batteries with this remote controller.
* Do not mix new batteries with already used batteries.
* Use batteries designed to prevent leakage of the internal electrolyte.

Bear in mind the following points when using the remote controller.

* Point the transmitter of the remote controller properly at the sensor on the unit and operate.
* The remote controller will work within a distance of about about 20 feet from the front of the unit and within a range of about 30 degrees at either side, left or right, provided that there are no obstacles between the remote controller and the unit.
  If the remote controller is brought closer to the unit, this operating angle is increased.
* Exposure to direct sunlight or strong lights such as a spotlight will reduce the operating distance or may make the remote controller inoperable.
* Press each of the control buttons properly one at a time.
* Handle the remote controller properly - do not drop it or splash it with water.
* Do not leave the remote controller in a location where it will be exposed to direct sunlight or to high temperatures or humidity levels.

Operating procedures

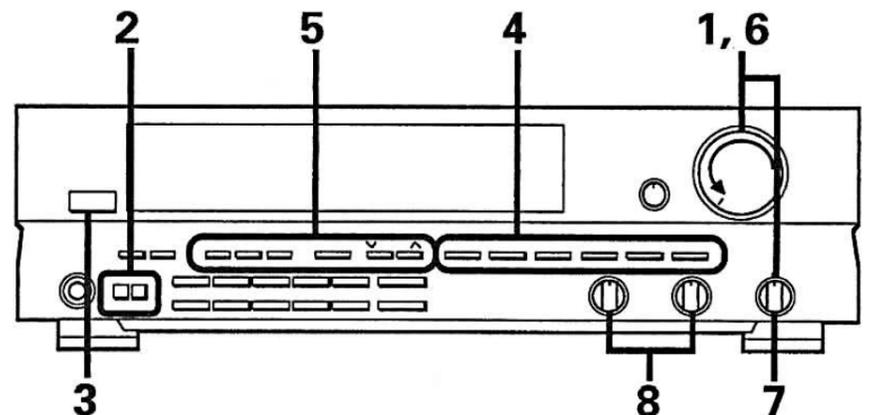## Basic Operation

Preparations

1. Set the VOLUME control to 0 and set the BALANCE control to the center position.
2. Press the A or B SPEAKERS switch.
   When using headphones, set the A and B switches to OFF.
3. Press the POWER switch on the front panel to turn on the power.

Playing a Program Source

4. Press the desired INPUT SELECTOR button to select the program source, and operate the selected component (CD player, cassette deck, VCR, etc.) to start playback.
5. To listen to a radio broadcast, operate the unit referring to the "Tuning FM and AM stations" section.

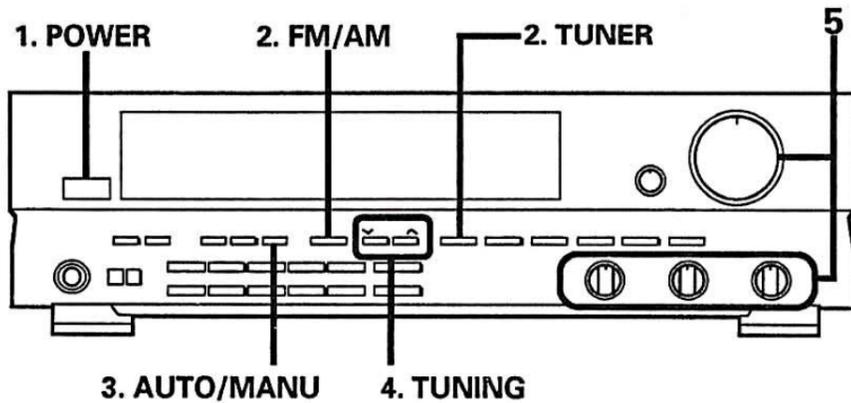### Adjusting the Sound Volume and Quality

6. Use the VOLUME control to adjust the sound volume.
7. Use the BALANCE control to adjust the volume balance between the left and right channels.
8. Adjust the sound quality to your liking using the tone controls.
* To temporarily mute the sound, press the MUTE button on the remote control unit. Press the MUTE button once more to restore the sound to its original level.

Tuning FM and AM stations

* **Radio broadcasts cannot be received unless an antenna is connected.**

1. POWER   2. FM/AM   2. TUNER   5

3. AUTO/MANU   4. TUNING

1. Press the POWER switch to ON.
2. Press the TUNER button so that "TUNER" appears on the display, and then press the FM/AM button to select the band.
3. Press the AUTO/MANU button so that the AUTO indicator lights.
4. Press the " ∨ " or " ∧ " segment of the TUNING buttons.
   Auto tuning starts and stops when a broadcast station is received. Press the TUNING button again to resume auto tuning.
   * To select manual tuning, press the AUTO/MANU button.
   * When manual tuning is selected, the frequency changes every time the button segment is pressed.
     Holding the button segment depressed changes the frequency continuously.
5. Adjust the volume and tone.
* The FM STEREO indicator lights when an FM stereo broadcast is received.
* To listen to an FM stereo broadcast in monaural, press the AUTO/ MANU button.
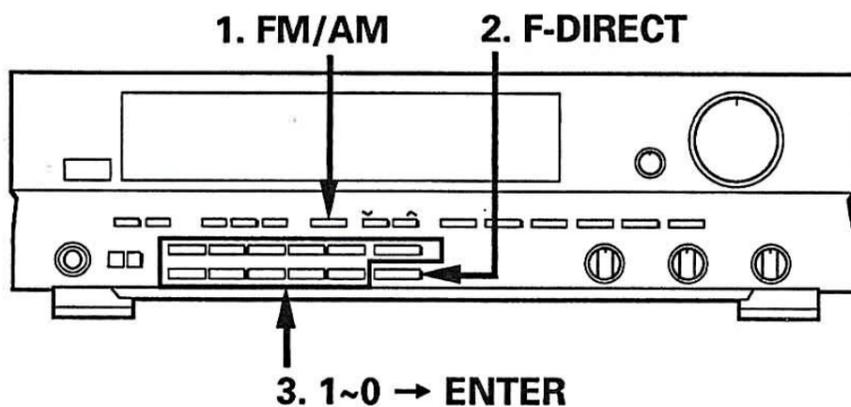* This operation cannot be carried out using the remote control unit.

Reception of weak station

If the signal level of the received station is weak, the station may not be able to be received with auto tuning, the reception may contain noise, or the audio may be cut off by the FM muting circuit. In this case, turn off the AUTO/MANU button.

Frequency Direct Tuning

When the frequency of the desired radio station is known, it can be tuned by entering the frequency in digits.
1. Press the FM/AM button to select the receiving band.
2. Press the F.DIRECT button; "– – –" will be displayed for about 8 seconds.
3. Compose the frequency using the numeric buttons, and press the ENTER button.
   For example, to enter 103.5 MHz, press buttons in order of; F.DIRECT → 1 → 0 → 3 → 5 → ENTER.
* Frequencies which cannot be received by the unit are ignored.

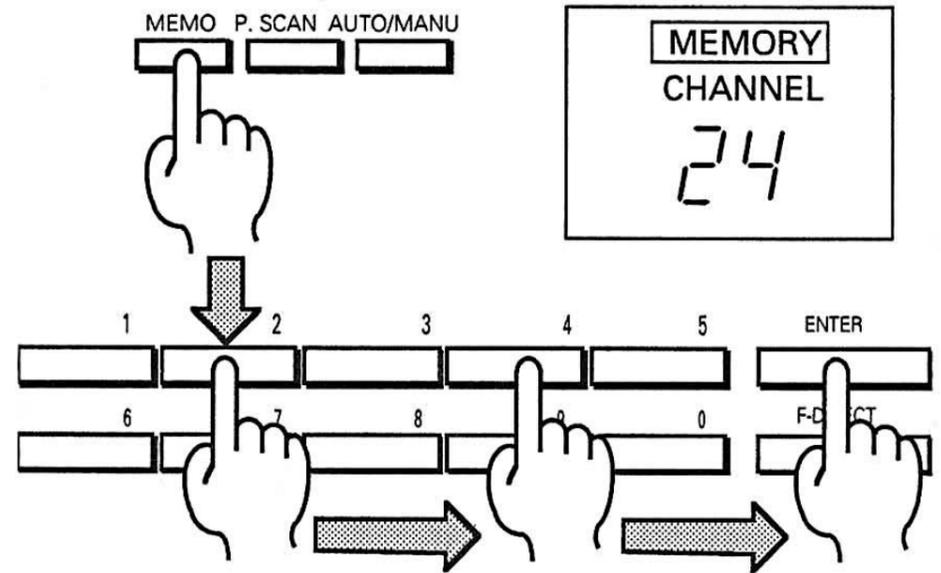
1. FM/AM   2. F-DIRECT

3. 1~0 → ENTER

Memorizing preset stations

With this function, you can randomly preset up to 30 of your favorite FM and AM stations.
Once a station is preset, you can recall the station by simply designating the preset number.
Since you can only tune in preset stations when tuning with the remote control unit, it is recommended to go ahead now and preset all stations that you will want to listen to.
* The preset station memorizing operation cannot be carried out using the remote control unit.

MEMO P. SCAN AUTO/MANU

MEMORY CHANNEL 24

1 2 3 4 5 ENTER
6 7 8 9 0 F-DIRECT

1. Press the FM/AM and TUNING buttons to tune in a desired station.
2. Press the MEMORY button. "MEMORY" blinks for 8 seconds.
3. While "MEMORY" is blinking, enter a number from 1 to 30. The entered number blinks for 8 seconds.
4. While the number is blinking, press the ENTER button. The blinking stops and the preset operation is completed.
5. Repeat steps 1-4 to preset all of the stations you frequently listen to.
* Press each successive button within 8 seconds.

Recalling a preset station

1. **Recalling by specifying the channel number.**
   To recall CH3, for example, press 3 → ENTER in this order.
   To recall CH27, for example, press 2 → 7 → ENTER in this order.
   * The band is switched according to the band of the preset station.
2. **Recalling by preset scan tuning.**
   Press the P. SCAN button. Each preset station will be received for about 5 seconds in sequence. When the desired station is received, press the ENTER button. The preset scan is canceled and the station will be received continuously.
   * When the current reception mode is FM, only the FM preset stations are scanned. When the current reception mode is AM, only the AM preset stations are scanned.
   * The "P. scan" indicator blinks during preset scanning.
   * If the ENTER button is not pressed, preset scanning stops after two cycles.
3. **Recalling with the remote controller.**
   To switch preset channels, press the P. CALL button on the remote controller. Pressing the ∧ or ∨ button once increases or decreases the channel by 1, and holding the button depressed change it continuously.

Station call memory system

This system lets you assign a name to each preset station, using alphanumeric or symbol characters.

Example of the procedure: To assign the name "FZ-7" to the station preset for channel 7.

1. Recall channel 7 by pressing 7→ ENTER in this order.
2. Press the CHARACTER button.
   The "✻✻✻✻" display appears, with the "✻" in the leftmost column blinking.
3. Press the TUNING ∧ button; the character in the left column changes in sequence, "ABC.....".
   When "F" appears, press the ENTER button.
4. The second column will start blinking, Press the ∧ button until "Z" appears, and then press the ENTER button.
5. The third column will start blinking. Press the ∨ button. After the symbols " = > < / " have appeared and disappeared, "–" will appear; if you pass the desired "–" symbol, press the ∧ button until it appears, and then press the ENTER button.
6. The fourth column will start blinking, Press the ∨ button until "7" appears, and then press the ENTER button. the input is completed.
7. From now on, when channel 7 is selected from another preset channel. "FZ-7" and channel "7" will appear in the display.
* Keep the interval between inputs less than 10 seconds.

Use of blanks

If the name to be assigned is of 3 characters of less, it is necessary to insert (a) blank(s). The blank symbol (nothing is displayed) is found before the "0" character. Locate it by pressing the ∧ or ∨ button, and then press the ENTER button.

Correction of characters

While the "✻" mark of a character is blinking, pressing the CHARACTER button stops the input of the blinking column and lets you correct the column to the left: input the correct character, and the press the ENTER button.
To correct a character after having entered all of the 4 characters, cancel the name itself by following the character display cancellation procedure below, and enter the 4 characters from the beginning.

Character display cancellation

To cancel the entire character display, press the CHARACTER button and then the CLEAR button while the character display is shown.

Usable characters

The following characters are available. The character before "0" is the blank. Various symbols can also be combined with the alphanumerics.
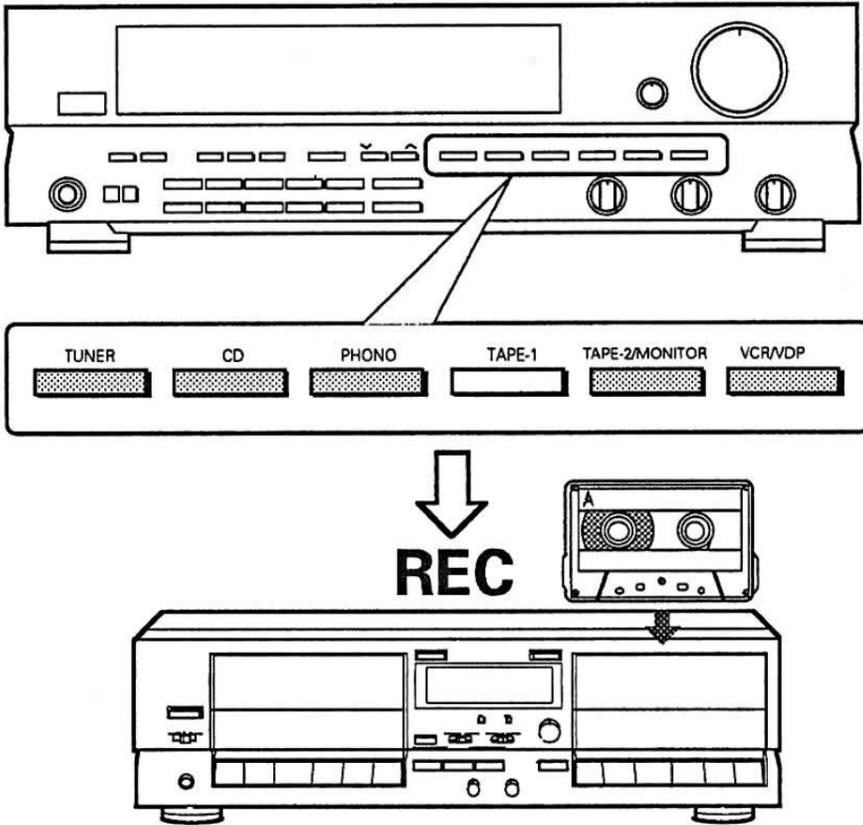
Recording on a tape

Recording program source

You can record a program source such as a record or compact disc onto a tape deck connected to the TAPE REC terminals.

1. Press the input selector button to select the program source that you wish to record.
   Recording a record: Press the PHONO button.
   Recording a radio broadcast: Press the TUNER button.
   Recording a compact disc: Press the CD button.
   Recording a VCR: Press the VCR/VDP button.
2. Start recording on a tape in the tape deck.
* You cannot adjust the volume and tone of the signals being recorded using the volume and tone controls.

Dubbing from tape to tape

You can also perform dubbing using a cassette deck (tape 1) connected to the TAPE-1 terminals or another cassette deck (tape 2) connected to the TAPE-2 terminals.

Dubbing from tape 1 to 2
1. Press the TAPE-1 input selector button.
2. Play back a tape on tape 1 (cassette deck).
3. Operate tape 2 (cassette deck) to start recording.

Dubbing from tape 2 to tape 1
1. Press the TAPE-2/MONITOR button so that the "T-2" indicator appears.
2. Play back a tape on tape 2 (cassette deck).
3. Operate tape 1 (cassette deck) to start recording.

Playback VCR or VDP

Press the VCR/VDP button so that the "VCR" indicator appears. Then the audio from a VCR or VDP (videodisc player) can be reproduced through this unit.

Specifications

RZ-2500
Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.09% total harmonic distortion.
  32 watts per channel into 8 ohms.
Load impedance.............................4 to 16 ohms

RZ-3500 II
Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.09% total harmonic distortion.
  40 watts per channel into 8 ohms.
Load impedance............................8 to 16 ohms

Frequency response
  PHONO (MM)....................20 to 20,000 Hz, +0.5 dB, −0.5 dB
    (at 1 watt)
  CD, TAPE-1,2, VCR/VDP........... 10 to 70,000 Hz, +1 dB, −3 dB
    (at 1 watt)
Input sensitivity and impedance (at 1 kHz)
  PHONO (MM)...................... 2.5 mV/47 kohms
  CD .... 200 mV/47 kohms
  TAPE-1,2, VCR/VDP.................. 150 mV/47 kohms
Signal to noise ratio (Over all, 0 dB=1 watt, A-network)
  PHONO (MM).......................... 73 dB
  CD, TAPE-1,2, VCR/VDP............ 90dB
Controls
  BASS............................±8 dB at 50 Hz
  TREBLE.............................±7 dB at 10 kHz
  LOUDNESS (VOLUME: −30dB position)
  (VARIABLE LOUDNESS; MAX) . +10 dB at 50 Hz
                               +6 dB at 10 kHz

FM Section
Tuning range.....................87.5 to 108 MHz
Usable sensitivity
  Mono ....13.2 dBf (2.5 µV/IHF T-100)
50 dB quieting sensitivity
  Mono............................18.0 dBf
  Stereo............................40 dBf
Signal to noise ratio at 65 dBf
  Mono.............................76 dB
  Stereo............................70 dB
Distortion at 65 dBf
  Mono.........................less than 0.3 % at 1,000 Hz
  Stereo........................less than 0.5 % at 1,000 Hz
Stereo separation.........................40 dB at 1,000 Hz
Frequency response.....................30 to 15,000 Hz +1 dB, −3 dB
Antenna input impedance...........75 ohms unbalanced
                                       300 ohms balanced

AM Section
Tuning range.............................531 to 1,602 kHz (9 kHz)
                                  530 to 1,710 kHz (10 kHz)
Usable sensitivity.........................55 dB/m (562 µV/m)
Signal to noise ratio.....................40 dB (antenna input 85 dB/m)

Others
Power requirements. .... 120 V/220 V/240 V
                                      50/60 Hz
    For U.S.A. and Canada .... 120 V (60 Hz)
RZ-2500
  Power consumption .... 160 watts
Dimensions.....................430 mm (16-15/16") W
                                  125 mm (4-15/16") H
                                  335 mm (13-1/4") D
Weight................................6.5 kg (14.3 lbs) net
RZ-3500 II
  Power consumption .... 160 watts
Dimensions.....................430 mm (16-15/16") W
                                  125 mm (4-15/16") H
                                  335 mm (13-1/4") D
Weight................................6.8 kg (15.0 lbs) net

* **Design and specifications subject to changes without notice for improvements.**
* **Due to local laws and regulations, this unit sold in some areas are not equipped with variable voltage selectors.**