

Compact Disc Deck Receiver

Operating instructions



HCD-VA550

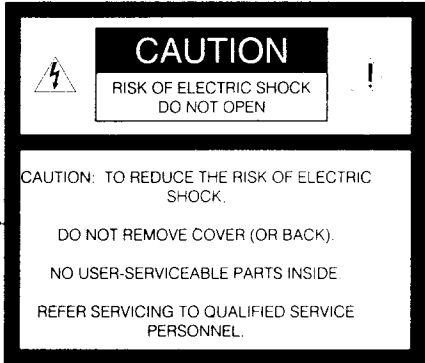
© 1995 by Sony Corporation

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

For the customers in the USA



This symbol 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.



This symbol 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
The model and serial numbers are located on the rear of this unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. HCD-VA550
Serial No. _____

INFORMATION

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

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note to CATV system installer

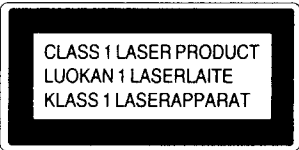
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

CAUTION

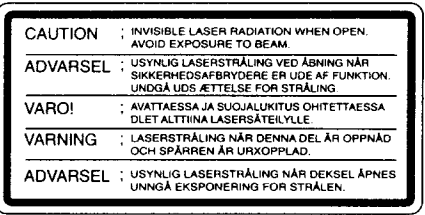
The use of optical instruments with this product will increase eye hazard.

For the customers in the United Kingdom

This appliance is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



This caution label is located inside of the unit.



NOTICE FOR THE CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362, (i.e. marked with ⚡ or ⚡ mark) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

IMPORTANT

If the plug supplied is not suitable for the socket outlets in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions.

The wires in this mains lead are coloured in accordance with the following code:

- Blue: Neutral
- Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol Y or coloured green or green-and-yellow.

WARNING

To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be destroyed.

For the customers in Canada


CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

Welcome !

Thank you for purchasing a Sony Integrated Audio Component. This series is packed with fun features. Here are just a few:

- A preset feature that lets you store and recall up to 20 FM frequencies and 10 AM (or 10 MW and 10 LW) frequencies.
- Multi-disc CD player that can accommodate up to 5 CDs.
- A linear skating cassette deck with Dolby* B and C noise reduction.
- A remote control that lets you control the music from your seat.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby," and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

About this Manual

The instructions in this manual describe the controls on the main unit. You can also use the controls on the remote if they have the same, or similar, names as those on the main unit. See Chapter 5, "Using the Remote" for details regarding remote operation.

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Chapter 1: Setting Up

Connecting the Stereo Inserting the Batteries

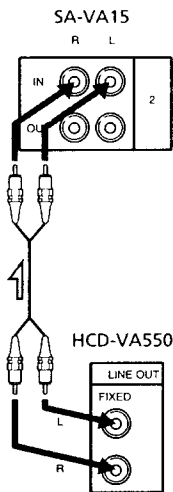
Connecting the Stereo

Use the illustrations below to connect your HCD-VA550 to a pair of SA-VA15* amplified speakers (optional). To connect optional audio equipment, such as an MD recorder, or to make connections to other powered speakers, see "Connecting Optional Equipment" in Chapter 5.

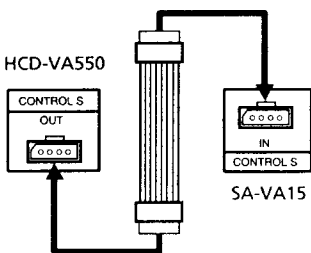
* The SA-VA15 is a Sony Home Theater Speaker System that lets you enjoy movies, music, sports, TV programs, etcetera, with surround sound.

STEP 1 Connections to the Speakers

Use the supplied audio cord to connect the FIXED LINE OUT jacks on the back of the HCD-VA550 to the 2 IN jacks on the back of the left SA-VA15 speaker. Be sure to match L (white) to L (white) and R (red) to R (red).



Use the supplied system control cord to connect the CONTROL S OUT jack on the back of the HCD-VA550 to the CONTROL S IN jack on the back of the left SA-VA15 speaker.

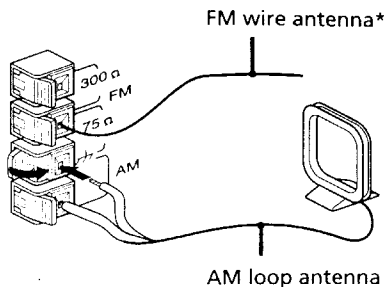


To make connections between the left, right, and rear speakers

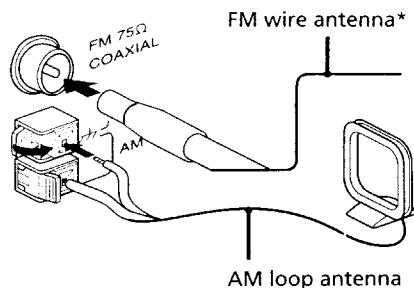
Use the connecting cord and speaker cord supplied with the SA-VA15 speaker system. Refer to the operating instructions supplied with the SA-VA15 for details.

STEP 2 Connecting the Antennas

USA and Canadian models



UK model

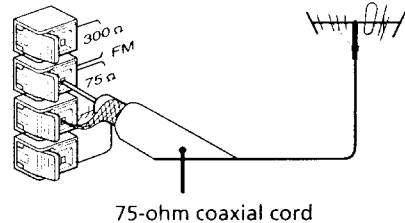


* Note: Adjust position for best reception

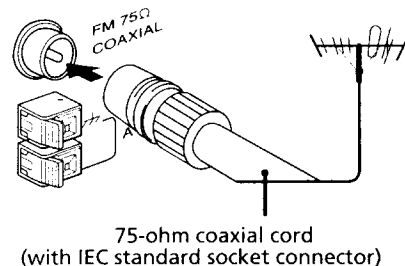
To improve the FM reception

Connect an outdoor FM antenna to the FM 75 ohm terminal, using a 75-ohm coaxial cord.

USA and Canadian models

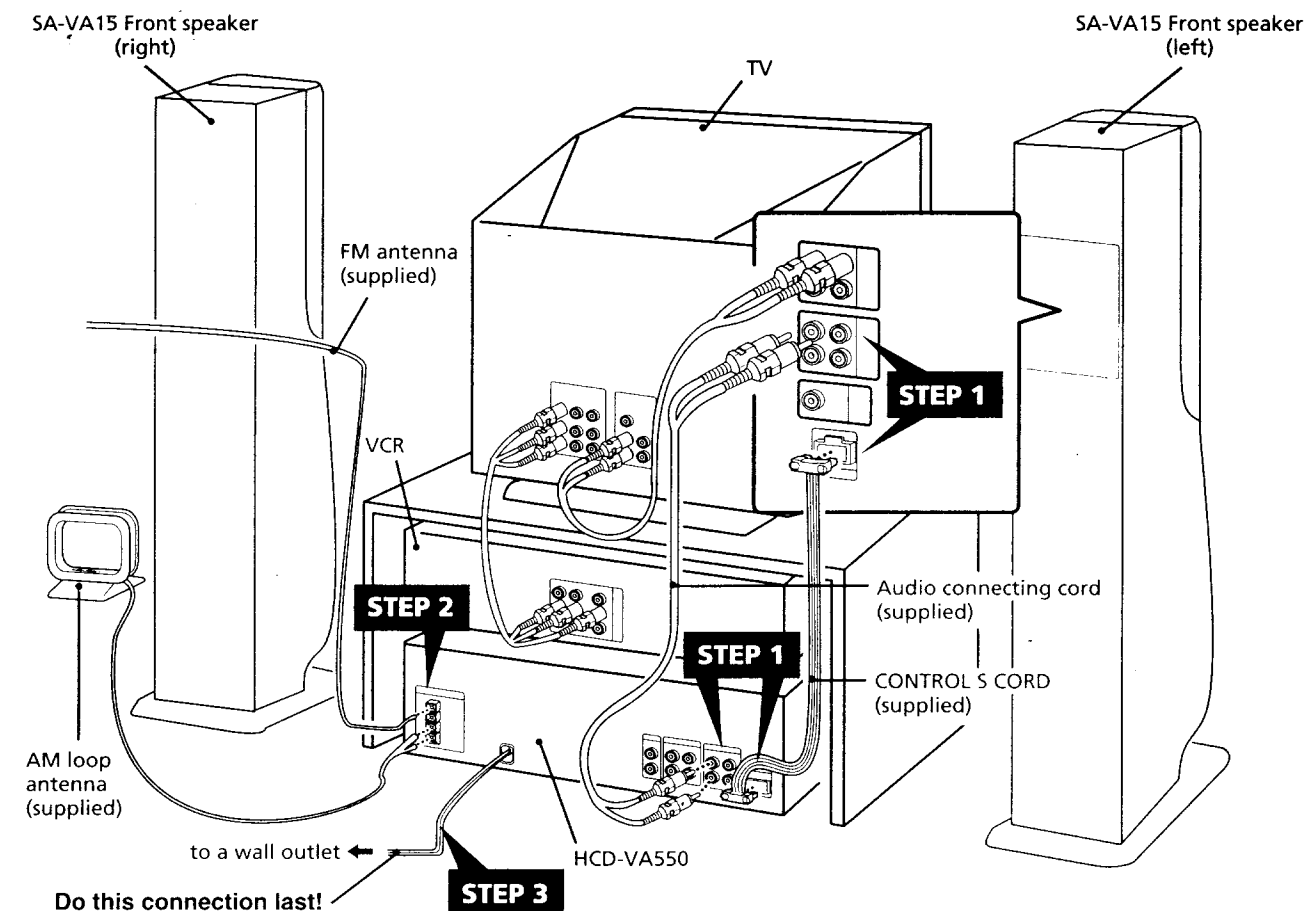


UK model



Important

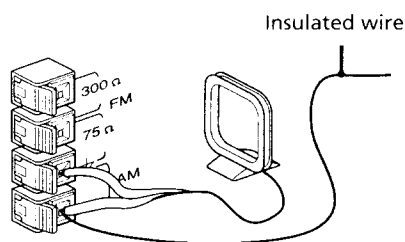
Ground the external antenna against lightning. To prevent a gas explosion, do not connect the ground wire to a gas pipe.



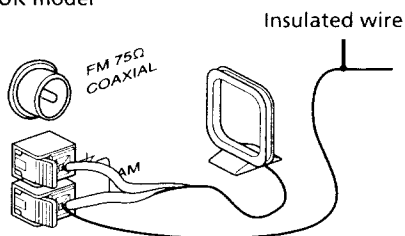
To improve the AM reception

After you connect the AM antenna, connect a 6- to 15-meter (20- to 50-feet) insulated wire to the AM terminal. Connect the other terminal to earth.

USA and Canadian models



UK model

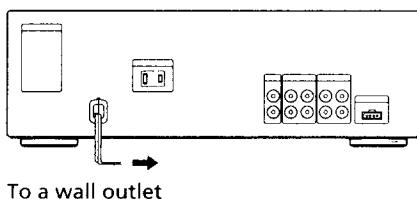


Important

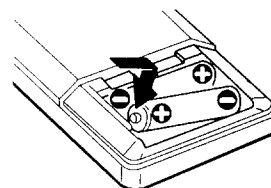
Ground the external antenna against lightning with the screw clamp. To prevent a gas explosion, do not connect the ground wire to a gas pipe.

STEP 3 Connecting the Power

- 1 Connect the mains lead of the HCD-VA550, and other equipment, to a wall outlet after you have made all of the connections.



- 2 Insert two R6 (size AA) batteries. Match the + and - to the diagram in the battery compartment.



- 3 Close the lid.

Battery life

You can expect the remote to operate for about six months (using Sony SUM-3 (NS) batteries) before the batteries run down. When the batteries no longer operate the remote, replace all the batteries with new ones.

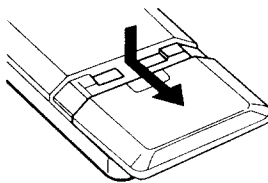
To avoid battery leakage

If you are not going to use the remote for a long time, remove the batteries to avoid damage caused by battery leakage.

Inserting the Batteries

Install two R6 (size AA) batteries in the supplied remote for remote control.

- 1 Open the lid.



Chapter 2: the CD Player

Playing a CD (normal play)

Playing Tracks in Random Order (shuffle play)

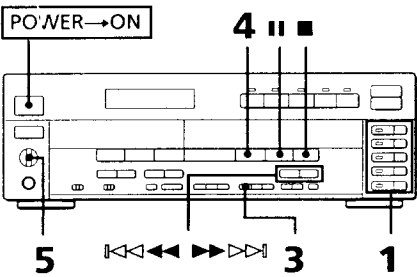
Playing Tracks in a Desired Order (program play)

Playing Tracks Repeatedly (repeat play)

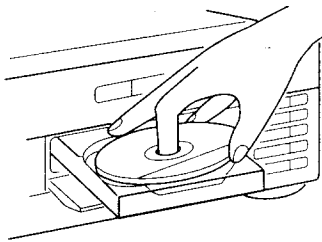
Playing a CD (normal play)

You can play CDs in four modes: normal, shuffle, program and repeat. The mode decides which tracks (songs) you will listen to, which order you will listen in, and whether or not they will repeat. You can control the unit from the front panel or from the supplied remote. You can play both 12 cm and 8 cm CDs. If the CD is supplied with an adaptor, remove it before playing the CD. Before you play a CD, decrease the sound level by turning down the volume, to avoid damaging the speakers.

Note
When the unit is first plugged in, the CD player's disc changer makes some mechanical sounds internally. The CD player cannot be operated while "INITIAL" appears in the display.

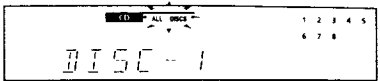


- 1 Press OPEN/CLOSE to open the disc tray you desire.
- 2 Holding the CD by the edge, place the CD on the CD tray with the label side up, then press the OPEN/CLOSE . (When you play an 8-cm CD, place it on the inner circle of the disc tray.)

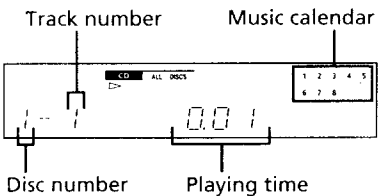


You can load up to 5 discs, one onto each tray, by pressing the OPEN/CLOSE button for the next tray you want to load once you've placed a CD onto the currently open tray. When you've finished loading the discs, be sure to close the last open tray by pressing OPEN/CLOSE before proceeding to the following step.

- 3 Pull open the front panel, then press CONTINUE to choose whether to play one CD (1 DISC) or all the CDs (ALL DISCS).



- 4 Press (play) or DISC 1 - 5. Play starts from the beginning of the selected CD (the CD whose tray indicator is green).



- 5 Adjust the volume. If you made connections to the SA-VA15 speaker system using the FIXED LINE OUT jacks, press VA VOL +/- on the remote control. If you made other connections via the VARIABLE jacks use LINE OUT / PHONES LEVEL to turn the volume up or down (or press HCD VOL +/- on the remote).

To	press
Stop play	
Pause	
Resume play	or
Remove a CD	the respective OPEN/CLOSE

When using the remote
First set the AUDIO/VIDEO selector to AUDIO, then set the component selector to CD (see Chapter 5, "Using the Remote").

Selecting a Desired CD

You can locate the beginning of any CD during play or pause, or when the player is stopped.

To locate the beginning of a particular CD and start playing
Press the corresponding DISC 1 - 5 button. During normal play mode, the selected CD starts to playback.

To change to the next CD
Press DISK SKIP on the remote. During playback, the player selects the next CD and starts playback. During stop or pause, the CD player selects the next CD but remains in stop or pause mode.

To locate a specific track

You can locate the beginning of a track during play, pause, or stop mode.

To locate	Press
the next or succeeding tracks	▶▶▶▶▶ (or ▶▶▶▶▶ on the remote) repeatedly until you find the track
the current or preceding tracks	◀◀◀◀◀ (or ◀◀◀◀◀ on the remote) repeatedly until you find the track

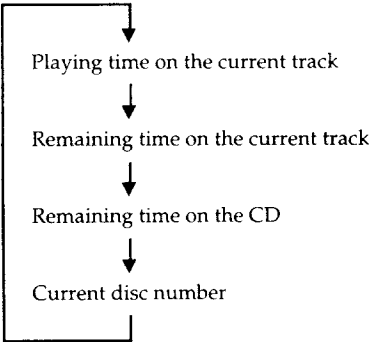
Finding a particular point in a track

You can locate a particular point in a track while monitoring the sound or quickly by observing the display. Use the buttons on the unit to operate this feature.

To locate a point	Press
While monitoring the sound	▶▶▶▶▶ (forward) or ◀◀◀◀◀ (backward) during play and hold down until you find the point.
Quickly by observing the display	⏸ and ▶▶▶▶▶ (forward) or ◀◀◀◀◀ (backward) during play and hold down until you find the point. You will not hear the sound during this operation.

To check the remaining or total playing time

Use TIME, located inside the pull open panel. Each time you press TIME while playing a CD, the display changes as follows.



Notes

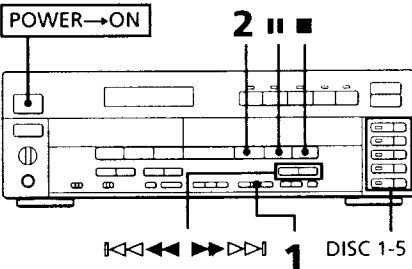
- You can check the remaining time on the current track during normal, shuffle, and program play.
- The total playing time and number of tracks for the current disc also appear in the display if you wait a few seconds after pressing OPEN/CLOSE to close a disc tray.

Automatic Source Selection

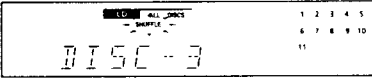
If you press DISC 1 - 5 or ▶ (or CD ▶ on the remote) while you are listening to another sound source, the CD player is selected and playback starts automatically.

Playing Tracks in Random Order (shuffle play)

You can play all the tracks on one CD or all CDs in random order. Use the buttons on the unit for this operation.



- 1** Press SHUFFLE to choose whether to play one CD (1 DISC) or all CDs (ALL DISCS). "SHUFFLE" appears in the display.



- 2** Press ▶. "▶" appears and then all the tracks play in random order.

To stop playing

Press ■.

To cancel shuffle play

Press CONTINUE. "SHUFFLE" disappears from the display, and tracks continue playing in their original order.

To play the next track during shuffle play

Press ▶▶▶▶▶. To replay the current track, press ◀◀◀◀◀. You cannot replay the previous track.

To select the desired disc

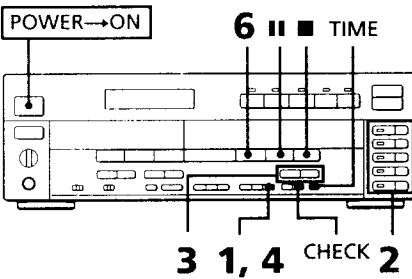
Press DISC 1 - 5 during "1 DISC" shuffle play. You cannot select the CD by pressing DISC 1 - 5 during "ALL DISCS" shuffle.

To start shuffle play immediately after the current track

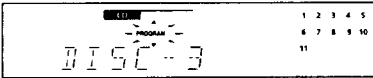
Press SHUFFLE during playback and shuffle play starts as soon as the current track finishes playback.

Playing Tracks in a Desired Order (program play)

You can program up to 32 program steps from all the CDs in the order you want them to play. You can program one track or a whole CD in each program step. Use the buttons on the unit for this operation. To record a program, see the section "Recording a CD: Specifying Track Order (program edit)."



- 1** Press PROGRAM. "PROGRAM" appears in the display.



- 2** Press DISC 1 - 5 to choose a CD. To program all the tracks on the CD in one step, repeat this step and choose another CD.

- 3** Press ◀◀◀◀◀ or ▶▶▶▶▶ to choose a track. The track number and total playing time appear in the display. If you want to choose this track go on to the next step. If not, press ◀◀◀◀◀ or ▶▶▶▶▶ again to choose another track.

- 4** Press the PROGRAM. The chosen track number lights up in the music calendar. If the track number disappears before you press PROGRAM, go back to step 2.


- 5** Repeat steps 2 and 4 to store other selections.

continue to next page →

Note




If the playing order appears instead of the total playing time during programming or during play, this means the total programmed time has exceeded 100 minutes.

“STEP FULL” appears in the display if you have programmed 32 tracks.

6 Press .

All the tracks play in the order you chose.

You can play the same program repeatedly as long as you do not cancel program play or erase the program.

To	Press
Check the program	CHECK repeatedly ¹
Program a pause	 ²
Stop play	
Cancel the program play	CONTINUE ³
Erase the entire program	 once in stop mode or twice while playing. ⁴

¹ After the last track, “CHECK END” appears in the display.

² “P” appears and the total playing time is reset to 0.00.

³ The program is erased.

⁴ “ALL CLEAR” appears in the display.

To change the order of programmed tracks

To change the order, erase the entire program and create a new one.

To program an entire CD while checking the playing time

Use DISC SKIP on the remote instead of the DISC 1 - 5 buttons to choose the CD you desire.

To see the “STEP” display


Press TIME during stop mode.

The display of the total playing time changes to the number of programmed tracks for 1 second.

The whole program is also erased when

You select another play mode

To erase an entire CD from the program

Press the OPEN/CLOSE  button for the that CD.

To add the contents of an entire disc to the end of a program during playback

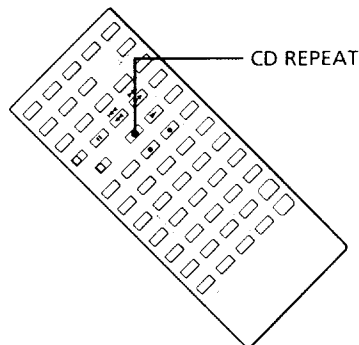
Press DISC 1 - 5 button corresponding to the disc you want to add as the final program step.

You cannot add individual tracks from a CD during playback.

Playing Tracks Repeatedly (repeat play)

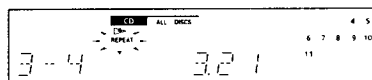
The repeat play repeats a single CD or all CDs during normal and program playback. During shuffle play, repeat play repeats one CD only (1 DISC mode shuffle play). In normal play mode (only), the player can also repeat a single track.

Use the buttons on the remote for this operation.



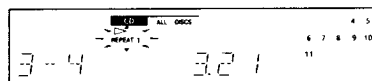
Repeating all the tracks (in any play mode)

Press CD REPEAT, on the remote control, once during either stop or playback, so that “REPEAT” lights up in the display.



Repeating a single track (in normal play mode only)

Press CD REPEAT, on the remote control, twice while playing the desired track so that “REPEAT 1” lights up in the display.



Playing mode	Tracks to be repeated
Normal play (ALL DISCS)	All tracks on all CDs
Normal play (1 DISC)	All tracks on the selected CD
Shuffle play (1 DISC)	All tracks on the selected CD (reshuffled)
Program play	All programmed tracks/programmes in their programmed order

To cancel repeat play

Press CD REPEAT, on the remote control, so that “REPEAT” or “REPEAT 1” disappears from the display.

Chapter 3: the Radio

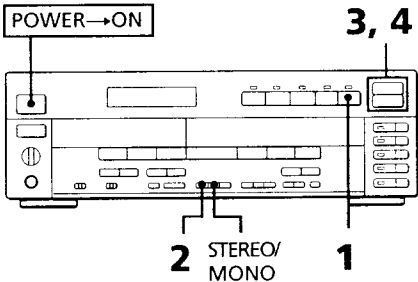
Listening to the Radio

Presetting Radio Stations

Recalling Preset Radio Stations

Listening to the Radio

When you want to listen to a radio program, you can have the tuner automatically scan the radio frequencies and tune in the stations with clear signals. This feature saves you time when searching for stations with clear signals.

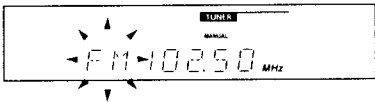
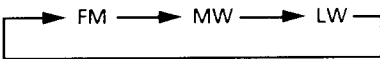


- 1 Press TUNER/BAND repeatedly until the desired band appears in the display. As you press TUNER/BAND, the band changes as follows:

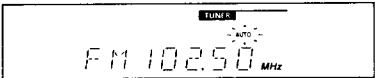
USA and Canadian models



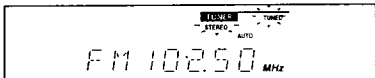
UK model



- 2 Press TUNING MODE so that "AUTO" appears in the display.



- 3 Press TUNING - or + and the tuner starts scanning radio frequencies. Scanning stops when the tuner finds a clear station. "TUNED" appears in the display if the station has sufficient signal strength. "STEREO" appears if the FM station tuned is broadcast in stereo.



- 4 Repeat step 3 until the desired station is tuned in.

To adjust the volume

If you made connections to the SA-VA15 speaker system using the FIXED LINE OUT jacks, press VA VOL +/- on the remote control.

If you made other connections via the VARIABLE jacks use LINE OUT/PHONES LEVEL to turn the volume up or down (or press HCD VOL +/- on the remote).

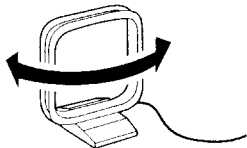
When the station you desire cannot be tuned in

Automatic tuning may skip stations with weak signals and continue scanning without a stop. In this case, tune in the station manually.

- 1 Press TUNING MODE a few times until "MANUAL" appears in the display.
- 2 Press TUNING - or + repeatedly until the desired station is tuned in.

To improve AM broadcast reception

Redirect the supplied AM loop antenna for AM (MW and LW).



When using a TV while using the radio

The TV may cause noise. Turn off the TV, or move the unit away from the TV when using the radio.

To change the AM (LW) tuning interval

If you need to change the tuning interval, do the following:

AM can switch between 9 kHz/10 kHz.

(USA and Canada)

LW can switch between 3 kHz/1 kHz. (UK)

- 1 Turn on the power.
- 2 Change the band to AM (LW).
- 3 Turn off the power.
- 4 Turn the power back on while pressing MEMORY.

After changing the AM (LW) tuning interval, reset the preset radio stations. To reset the interval to the factory setting, follow the same procedure.

When an FM program is not received clearly

Press STEREO/MONO so that "MONO" appears in the display. There will be no stereo effect, but the reception will improve. Press STEREO/MONO again to restore the stereo effect.

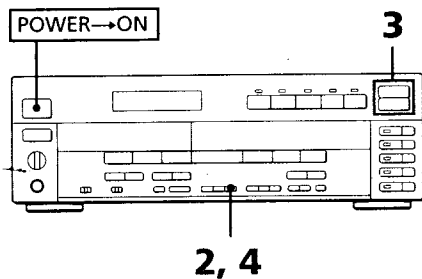
Automatic Source Selection

If you press TUNER/BAND (or BAND on the remote) while you are listening to another sound source, the tuner is selected and the last received station is automatically received.

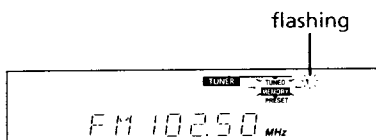
If you select TUNER while playing back a CD, the CD stops playing back.

Presetting Radio Stations

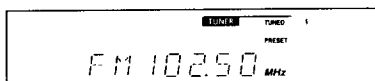
You can store radio frequencies in the tuner's memory so that you can tune in your favourite stations quickly. You can preset up to 20 FM frequencies and 10 AM (10 MW and 10 LW) frequencies by specifying a preset number for each frequency.



- 1 Tune in a desired station with automatic or manual tuning.
- 2 Press MEMORY. "MEMORY" appears and a preset number flashes in the display. (The last memorized number appears.)



- 3 Press TUNING - or + to select a preset number (1 to 20 for FM, 1 to 10 for AM (MW/LW) bands).
- 4 Press MEMORY again. The station and its STEREO/MONO setting are stored at the preset number you selected and the tuner returns to tuning mode.



- 5 Repeat steps 1 to 4 for each station you want to store.

To erase a stored station

Store a new station at a previously used preset number. This erases the old station and replaces it with the new station.

If you have trouble storing a station

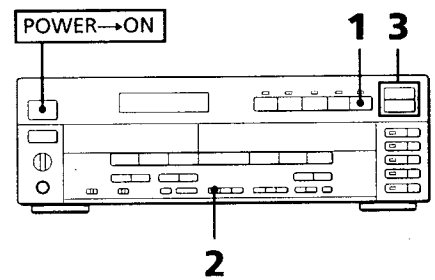
Make sure "MEMORY" is lit in the display. If not, press MEMORY again so that "MEMORY" lights in the display, and then proceed with steps 3 and 4.

Memorized preset stations

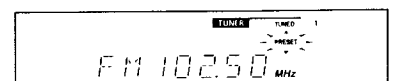
Remain stored in memory for about 10 days, even if the AC power cord (mains lead) is disconnected from the wall outlet.

Recalling Preset Radio Stations

Once you have preset the stations, use TUNING - or + to quickly tune in your favorite stations.



- 1 Press TUNER/BAND repeatedly until the band you want appears in the display.
- 2 Press TUNING MODE repeatedly so that "PRESET" appears in the display.



- 3 Press TUNING - or + (or PRESET - or + on the remote) to tune in a preset station. The station frequency appears and the station begins broadcasting.

Chapter 4:

the Tape Player

Playing a Tape

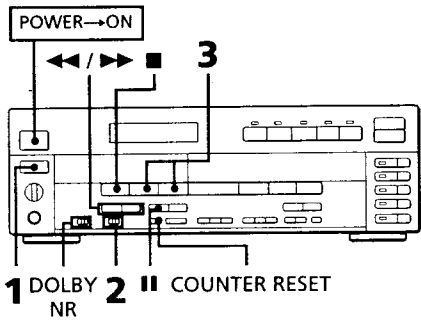
Recording a CD

Recording a CD: Specifying Tape Length (time edit)

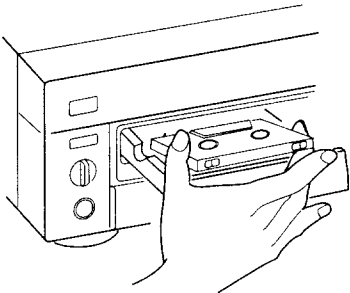
Recording a CD: Specifying Track Order (program edit)

Recording from the Radio

Playing a Tape



1 Press OPEN /CLOSE to open the cassette tray. Insert a recorded tape in the deck with the tape side facing inward. Press OPEN /CLOSE again to close the cassette tray.



2 Choose how to play the tape by setting the DIRECTION mode.

To play	Switch DIRECTION mode to
One side of the tape	
Both sides ^{*1}	
Both sides repeatedly ^{*2}	

^{*1} The deck stops automatically after playing each side once.

^{*2} The deck stops automatically after playing both sides 5 times.

3 Press (to play the front side) or (to play the reverse side). The tape starts playing.

To	Press
Stop play	
Pause	PAUSE
Resume play after pause	PAUSE, , or
Fast forward	for front side for reverse side
Rewind	for front side for reverse side
Remove the cassette	OPEN /CLOSE

To adjust the volume

If you made connections to the SA-VA15 speaker system using the FIXED LINE OUT jacks, press VA VOL +/- on the remote control.

If you made other connections via the VARIABLE jacks use LINE OUT/PHONES LEVEL to turn the volume up or down (or press HCD VOL +/- on the remote).

When using the remote

First set the AUDIO/VIDEO selector to AUDIO, then set the component selector to TAPE (see Chapter 5, "Using the Remote").

When using a TV while using the tape player

The TV may cause noise. Turn off the TV, or move this unit away from the TV when using the tape player.

To play automatically after fast winding (auto play)

To start playing from the beginning of the front side, press while holding down .

To start playing from the beginning of the reverse side, press while holding down .

When listening to a tape recorded with the Dolby noise reduction system

Set DOLBY NR to B or C according to the noise reduction system used in recording. Dolby noise reduction system reduces tape hiss noise in low-level high-frequency signals.

Automatic Source Selection

If you press or (or TAPE or on the remote) while you are listening to another sound source, the tape deck is selected and playback starts automatically.

To reset the tape counter

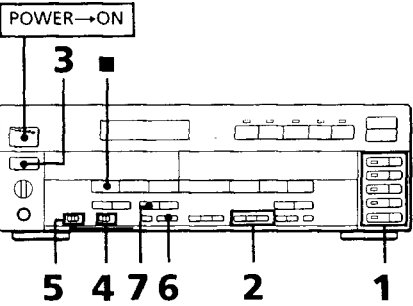
Press COUNTER RESET. The tape counter display returns to "0000." The tape counter is also reset when you turn the POWER off.

Recording a CD

You can record from a CD to a tape. Use TYPE I (normal) or TYPE II (CrO2) tapes.

Recording a CD Automatically

By using the CD SYNCHRO button, you can record from a CD to a tape easily. Use the buttons on the unit for this operation.



- 1 Press OPEN/CLOSE 1-5 and place a CD. Then press the same OPEN/CLOSE again to close the tray. The total number of tracks and total playing time, for each CD, appear in the display.
- 2 Select the play mode you desire and, if necessary, press DISC SKIP on the remote to choose a CD.
- 3 Press OPEN/CLOSE and insert a blank tape into the deck with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.

- 4 Select how to record the tape.

To record	Switch DIRECTION mode to
One side	
Both sides*	or

* Recording always stops at the end of the reverse side. Be sure to start from the front side.

- 5 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high- frequency signals.
- 6 Press CD SYNCHRO. "CD SYNC" appears in the display and the CD player and tape deck enter recording pause mode and the direction indicator (◀ or ▶) blinks for about 3 seconds. If you want to record from the reverse side, press ◀ so the ◀ lamp lights steadily.

- 7 Press PAUSE to release recording pause. Recording starts. After about 10 seconds, the CD starts to play.

To stop recording,
Press on the tape deck.

If the CD SYNCHRO button does not operate
It means that you cannot record on this cassette (the tabs have been removed).

If you press the CD SYNCHRO button while playing a CD
It is cancelled after 10 seconds. The CD SYNCHRO button only works when the CD player is in stop mode.

Adjusting the volume will not effect the recording level
But this will change the sound levels you hear through the speakers or headphones.

What the ▶ and ◀ indicators indicate,
The ▶ and ◀ indicators light to indicate which side starts recording. They also tell you if a tab has been removed.

If one indicator lights steadily and the other indicator flashes for a few seconds, then disappears
It means that recording will start from the side whose indicator lights steadily. If you want to start recording from the other side, press the button for that side.

If one indicator lights steadily and the other indicator neither lights or flashes
It means you can only record on the side whose indicator lights steadily. (The tab for the other side has been removed.)

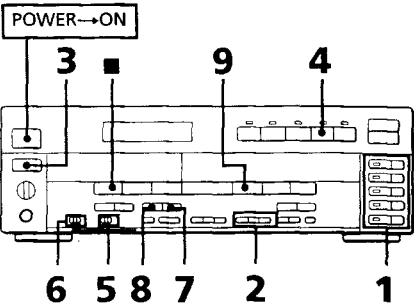
If one indicator flashes steadily and the other indicator neither lights or flashes
It means that record on the side whose indicator is flashing steadily. Switch the side, from which to start recording, by pressing the direction button for the side whose indicator is flashing.

If both indicators neither light or flash
It means that you cannot record on this cassette. (Both tabs have been removed.)

When you record more than one CD
The tape automatically pauses the recording while the CD player changes the disc trays.

Recording a CD Manually

With manual recording you can record a CD however you like, for example, you can record just the songs you want, or start recording from the middle of the tape.



- 1 Press OPEN/CLOSE 1-5 and place a CD. Then press the same OPEN/CLOSE again to close the tray.
- 2 Select the play mode you desire and, if necessary, press DISC SKIP on the remote to choose a CD.

Note
Make sure the total number of tracks and the total playing time appear in the display.

- 3 Press OPEN/CLOSE and insert a blank tape with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.

- 4 Select the CD function.

- 5 Select how to record the tape.

To record	Switch DIRECTION mode to
One side	
Both sides*	or

* Recording always stops at the end of the reverse side. Be sure to start from the front side.

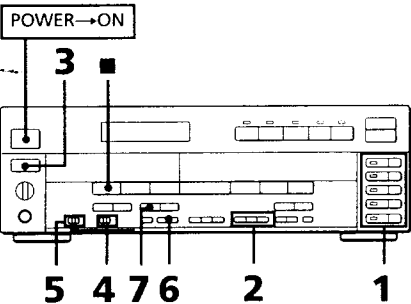
- 6 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high- frequency signals.

Recording a CD

You can record from a CD to a tape. Use TYPE I (normal) or TYPE II (CrO2) tapes.

Recording a CD Automatically

By using the CD SYNCHRO button, you can record from a CD to a tape easily. Use the buttons on the unit for this operation.



- 1 Press OPEN/CLOSE 1-5 and place a CD. Then press the same OPEN/CLOSE again to close the tray. The total number of tracks and total playing time, for each CD, appear in the display.
 - 2 Select the play mode you desire and, if necessary, press DISC SKIP on the remote to choose a CD.
 - 3 Press OPEN/CLOSE and insert a blank tape into the deck with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.
 - 4 Select how to record the tape.
- | To record | Switch DIRECTION mode to |
|-------------|--------------------------|
| One side | [Symbol] |
| Both sides* | [Symbol] or [Symbol] |
- * Recording always stops at the end of the reverse side. Be sure to start from the front side.
- 5 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high- frequency signals.
 - 6 Press CD SYNCHRO. "CD SYNC" appears in the display and the CD player and tape deck enter recording pause mode and the direction indicator (◁ or ▷) blinks for about 3 seconds. If you want to record from the reverse side, press ▷ so the ▷ lamp lights steadily.

- 7 Press PAUSE to release recording pause. Recording starts. After about 10 seconds, the CD starts to play.
- To stop recording, Press STOP on the tape deck.

If the CD SYNCHRO button does not operate
It means that you cannot record on this cassette (the tabs have been removed).

If you press the CD SYNCHRO button while playing a CD
It is cancelled after 10 seconds. The CD SYNCHRO button only works when the CD player is in stop mode.

Adjusting the volume will not effect the recording level
But this will change the sound levels you hear through the speakers or headphones.

What the ▷ and ◁ indicators indicate,
The ▷ and ◁ indicators light to indicate which side starts recording. They also tell you if a tab has been removed.

If one indicator lights steadily and the other indicator flashes for a few seconds, then disappears
It means that recording will start from the side whose indicator lights steadily. If you want to start recording from the other side, press the button for that side.

If one indicator lights steadily and the other indicator neither lights or flashes
It means you can only record on the side whose indicator lights steadily. (The tab for the other side has been removed.)

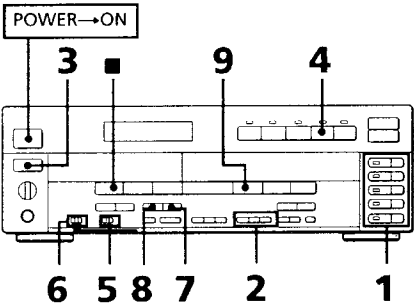
If one indicator flashes steadily and the other indicator neither lights or flashes
It means that record on the side whose indicator is flashing steadily. Switch the side, from which to start recording, by pressing the direction button for the side whose indicator is flashing.

If both indicators neither light or flash
It means that you cannot record on this cassette. (Both tabs have been removed.)

When you record more than one CD
The tape automatically pauses the recording while the CD player changes the disc trays.

Recording a CD Manually

With manual recording you can record a CD however you like, for example, you can record just the songs you want, or start recording from the middle of the tape.



- 1 Press OPEN/CLOSE 1-5 and place a CD. Then press the same OPEN/CLOSE again to close the tray.
- 2 Select the play mode you desire and, if necessary, press DISC SKIP on the remote to choose a CD.

Note
Make sure the total number of tracks and the total playing time appear in the display.

- 3 Press OPEN/CLOSE and insert a blank tape with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.
- 4 Select the CD function.

To record	Switch DIRECTION mode to
One side	[Symbol]
Both sides*	[Symbol] or [Symbol]

* Recording always stops at the end of the reverse side. Be sure to start from the front side.

- 6 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high- frequency signals.

7 Press ● REC.
The ● REC and ■ PAUSE indicators light and the deck stands by for recording.

The direction indicators (◁ or ▷) light to indicate which sides of the cassette you can use to record. (For a full explanation of the ▷ and ◁ indicators, see “What the ▷ and ◁ indicators indicate” in “Recording a CD automatically.”)

If you want to record from the reverse side, press ◁ so the ◁ indicator lights steadily.

8 Press ■ PAUSE, on the tape buttons, to release recording pause. Recording starts.
You can also start recording by pressing ▷ or ◁.

9 Press ▷ on the CD buttons.
The CD player starts playing.

To	Press
Stop Recording	■ on the tape buttons
Pause recording	■ PAUSE on the tape buttons
Stop CD playback	■ on the CD buttons
Pause CD playback	■ PAUSE on CD buttons

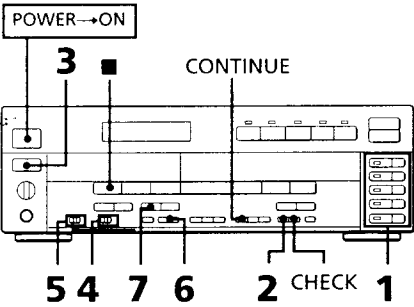
Note
If you want to record specific tracks of a CD, the “program edit” feature will make it easier.

Adjusting the volume will not effect the recording level
But it will change the sound levels you hear through the speakers or headphones.

Recording a CD: Selecting Tape Length Automatically (tape select edit)

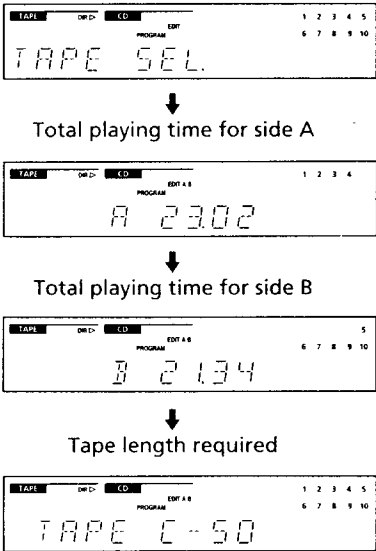
You can have the CD player select and indicate the most suitable tape length for recording each disc automatically.

You cannot, however, use tape select edit for discs containing more than 20 tracks.



1 Press ◁ OPEN / CLOSE and place a disc on the tray. Then press ◁ OPEN / CLOSE again to close the tray. If necessary, press DISC SKIP on the remote commander to choose a CD. The total number of tracks and the total playing time appears in the display.

2 Press EDIT
“EDIT” appears in the display, and the player divides the tracks automatically and displays the tape length required to record the entire CD.
The display changes as follows:



3 Press ◁ OPEN / CLOSE and insert a blank tape of the indicated length (or longer) into the tape deck, with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.

4 Select how to record the tape.

To record	Switch DIRECTION mode to
One side	→
Both sides*	↔ or ↵

* Recording always stops at the end of the reverse side. Be sure to start from the front side.

5 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high-frequency signals.

6 Press CD SYNCHRO.
The ● REC and ■ PAUSE indicators light and the deck stands by for recording.

The direction indicators (◁ or ▷) light to indicate which sides of the cassette you can use to record. (For a full explanation of the ▷ and ◁ indicators, see “What the ▷ and ◁ indicators indicate” in “Recording a CD automatically.”)

If you want to record from the reverse side, press ◁ so the ◁ indicator lights steadily.

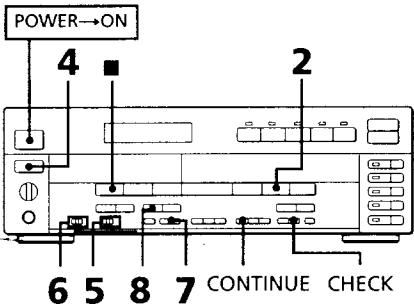
7 Press ■ PAUSE on the cassette controls to release recording pause. Recording starts.

To stop recording
Press ■.

To check the order
Press CHECK repeatedly.

Recording a CD: Specifying Track Order (program edit)

You can match the total recording time to the tape length while making a program.



- 1 Follow the procedure in "Playing Tracks in the Desired Order (program play)" to program the tracks you want to record for side A. Make sure the total playing time for side A does not exceed the length of one side of the tape.
- 2 Press **II**. "P" appears in the display and the total playing time returns to "0.00."
- 3 Program the tracks you want to record for side B the same way you programmed side A.
- 4 Press **△** OPEN/CLOSE and insert a blank tape into the tape deck with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.

- 5 Select how to record the tape.

To record	Switch DIRECTION mode to
One side	→
Both sides*	→ or ←

* Recording always stops at the end of the reverse side. Be sure to start from the front side.

- 6 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high- frequency signals.

- 7 Press CD SYNCHRO. The **●** REC and **II** PAUSE indicators light and the deck stands by for recording.

The direction indicators (**<** or **>**) light to indicate which sides of the cassette you can use to record. (For a full explanation of the **>** and **<** indicators, see "What the **>** and **<** indicators indicate" in "Recording a CD automatically.")

If you want to record from the reverse side, press **<** so the **<** indicator lights steadily.

- 8 Press **II** PAUSE to release recording pause. Recording starts. After about ten seconds, the CD starts to play.

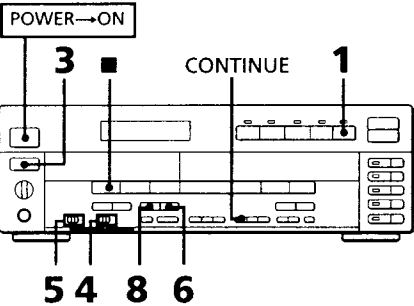
To stop recording
Press **■** on the tape deck.

To cancel program edit
Press CONTINUE.

To check your program
Press CHECK on the remote repeatedly. The first track in the program will be displayed. Each time you press CHECK, the next track in the program will be displayed. After the last track, "CHECK END" will be indicated and the display will soon return to the initial status.

Recording From the Radio

You can record from the tuner onto a tape. Use TYPE I (normal) or TYPE II (CrO₂) tapes for recording.



- 1 Press TUNER/BAND repeatedly until the desired radio band appears.
- 2 Tune in the radio station you want to record. See "Listening to the Radio" for details.

- 3 Press **△** OPEN/CLOSE and insert a blank tape into the tape deck with the side you want to record facing upward. Make sure the tabs on the cassette have not been removed.

- 4 Select how to record the tape.

To record	Switch DIRECTION mode to
One side	→
Both sides*	→ or ←

* Recording always stops at the end of the reverse side. Be sure to start from the front side.

- 5 Set DOLBY NR to B or C when you want to reduce tape hiss in low-level, high- frequency signals.

- 6 Press **●** REC. The **●** REC and **II** PAUSE indicators light and the deck stands by for recording.

The direction indicators (**<** or **>**) light to indicate which sides of the cassette you can use to record. (For a full explanation of the **>** and **<** indicators, see "What the **>** and **<** indicators indicate" in "Recording a CD automatically.")

If you want to record from the reverse side, press **<** so the **<** indicator lights steadily.

- 7 Press **II** PAUSE (or **<** or **>**) to release recording pause. Recording starts.

To stop recording
Press **■**.

Adjusting the volume will not effect the recording level
But it will change the sound levels you hear through the speakers or headphones.

Chapter 5: Additional Features

Using the Remote

Connecting Optional Equipment

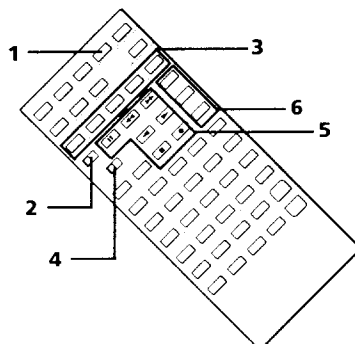
Using the Remote

The remote control supplied with the HCD-VA550 not only lets you control all of the CD, tuner and tape functions, but can also control the SA-VA15 speaker system as well as other Sony audio and video products.

For example, if you connect a Sony TV and VCR to your SA-VA15 speaker system in addition to the HCD-VA550, you can also use the remote supplied with this unit to control the speakers, TV, and VCR.

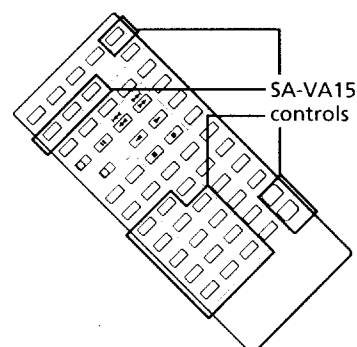
The remote control uses the same set of operation buttons to control both the HCD-VA550 and any external components that you may have connected.

To control the HCD-VA550



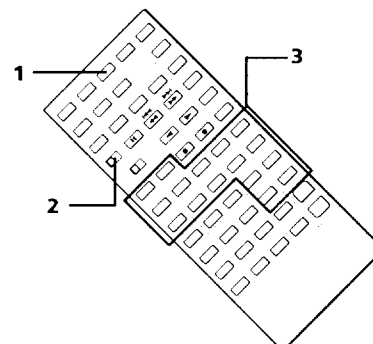
- 1 Press HCD POWER to turn on HCD-VA550.
- 2 Set the AUDIO/VIDEO selector to AUDIO.
- 3 Press the FUNCTION button to choose the function you want to use.
If you choose TUNER, skip to step 6.
- 4 If you want to operate the CD or TAPE player (or an external MD deck), set the component selector to the appropriate component (TAPE, CD, or MD).
- 5 Press the operation button that corresponds to the operation you want to perform (i.e., press ► to start playing a CD).
- 6 Press BAND, then press PRESET +/- to select a preset station.

To control the SA-VA15 speaker system



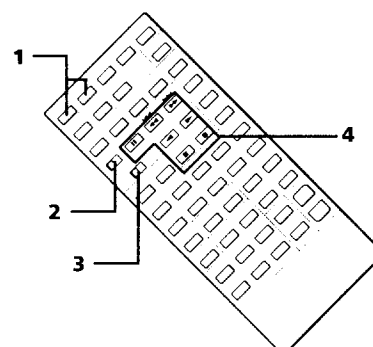
Use the SA-VA15 control buttons. The buttons with the same names as the buttons on the SA-VA15 remote have the same functions as those buttons. The SURROUND button changes the surround mode cyclically.

To control a Sony TV



- 1 Press the TV POWER button to turn on the TV.
- 2 Set the AUDIO/VIDEO selector to VIDEO.
- 3 Press the operation button that corresponds to the operation you want to perform (i.e., press TV CH +/- to change the channel you are watching).

To control a Sony VCR or LDP (laserdisc player)



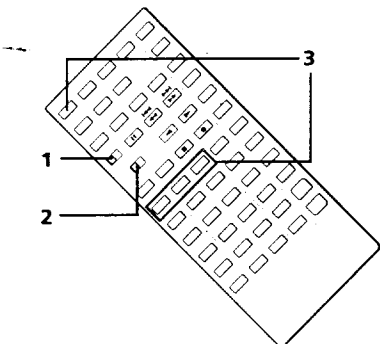
continue to next page →

→ continued

- 1 Press the VCR or LDP POWER button to turn on VCR or laserdisc player.
- 2 Set the AUDIO/VIDEO selector to VIDEO.
- 3 Set the component selector to the appropriate component.
- 4 Press the operation button that corresponds to the operation you want to perform (i.e., press ► to start playing a videocassette or laserdisc).

Setting the command code (VTR 1, 2, or 3)

The command codes for both VCR A and B are factory set to Beta (VTR 1). Complete the following steps if you want to change the command code.



- 1 Set the AUDIO/VIDEO selector to VIDEO.
- 2 Set the component selector switch to either VCR A or B.
- 3 Press VCR POWER and one of the number buttons (1, 2, or 3) at the same time.

The command code is set as follows:

- VCR + 1 = Beta VCR (VTR 1)
- VCR + 2 = 8mm VCR (VTR 2)
- VCR + 3 = VHS VCR (VTR 3)

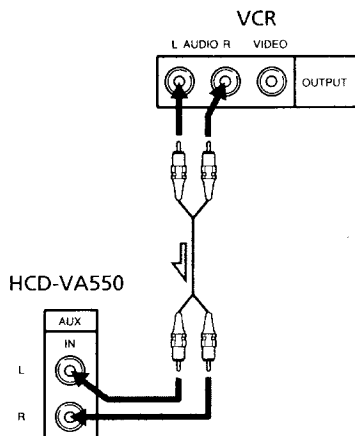
To take advantage of the two component selector VCR settings (A and B), be sure to select a different command code for both A and B.

Connecting Optional Equipment

For greater enjoyment of your stereo system, you can connect other components to the stereo. You can connect:

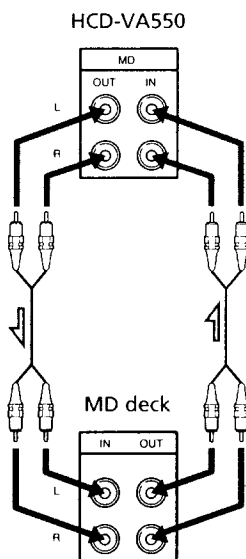
- an additional VCR (playback only) to the AUX IN jacks.
- an MD deck to the MD jacks
- headphones to the PHONES jack on the front of the unit.
- The AC power cord (mains lead) of a component connected to this unit to the UNSWITCHED AC OUTLET (USA and Canadian models only).

To connect a VCR



- 1 Connect the audio out of the VCR, or other video equipment to the AUX IN jacks on the back of this unit.
- 2 Press AUX and "AUX" appears in the display.
The sound from the VCR comes through the speakers.
You can also record the sound from the VCR.

To connect an MD deck



- 1 Connect the OUT jacks on the MD deck to the MD IN jacks on the rear of this unit.
- 2 Connect the IN jacks on the MD deck to the MD OUT jacks on the rear of this unit.
- 3 Press MD and "MD" appears in the display.
The sound from the MD comes through the speakers.
You can record to and from the MD deck.

To use the MD deck to record an audio source

Select the source you want to record by pressing the respective function button on the front of this unit (i.e., press CD if you want to record a CD)

Set the MD deck to record (refer to the instructions supplied with your MD deck if you need help).

Start recording on the MD deck (refer to the instructions supplied with your MD deck if you need help).

Start playing back the source you want to record (i.e., press the CD ► button on the front of this unit).

To use the UNSWITCHED AC OUTLET (USA and Canadian models only)

Make sure that the power consumption of the component you want to connect does not exceed 120 watts, then plug its AC power cord (mains lead) into the UNSWITCHED AC OUTLET on the back of the HCD-VA550.

Do not connect TVs, fans, or other high voltage home appliances to this outlet.

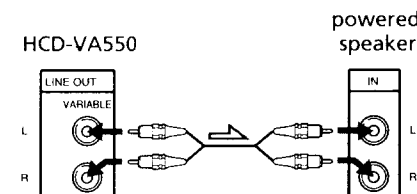
To connect headphones

You can connect headphones to the PHONES jack on the front panel of the HCD-VA550.

When listening with the headphones, use the LINE OUT/PHONES LEVEL knob to adjust the volume level you hear through the headphones. (The signal output through the VARIABLE jacks on the back of this is adjusted together with the headphones level.)

You can also use the HCD VOL (volume) buttons on the remote control to adjust the LINE OUT/PHONES LEVEL.

To connect the HCD-VA550 to a powered speaker system without volume control



Connect the VARIABLE OUT jacks on the back of this unit to the IN jacks on the powered speaker.

Use the LINE OUT/PHONES LEVEL knob to adjust the volume level you hear through the speakers.

You can also use the HCD VOL (volume) buttons on the remote control to adjust the LINE OUT/PHONES LEVEL.

For Your Information

Precautions

Troubleshooting Guide

Maintenance

Specifications

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Precautions

If you have any questions or problems concerning your stereo system, please consult your nearest Sony dealer.

On operating voltage

Before operating the stereo system, check that the operating voltage of your stereo system is identical with the voltage of your local power supply.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the mains if it is not to be used for an extended period of time. To disconnect the AC power cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the component, unplug the stereo system and have the component checked by qualified personnel before operating it any further.
- AC power cord (mains lead) must be changed only at the qualified service shop.

On installation

Place the stereo system in a location with adequate ventilation to prevent heat build-up in the stereo system.

On condensation in the CD player component

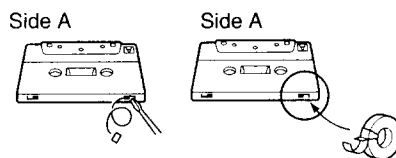
If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the CD player will not operate. Remove the CD and leave the system turned on for about an hour until the moisture evaporates.

When transporting the unit

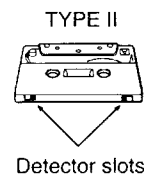
Be sure to remove all discs from the CD trays.

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated. If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.



When you are using a type II (CrO₂) cassette, be careful not to cover the detector slots which allow the tape player to automatically detect the type of tape.



Detector slots

Troubleshooting Guide

If you run into any problems using the stereo, use the following check list.

First check the following points:

- The AC power cord (mains lead) is connected firmly.
- The speakers are connected correctly and firmly.

Should any problem persist after you have made the checks below, consult your nearest Sony dealer.

Tuner

"TUNED" flashes in the display.

→ Adjust the antenna.

"STEREO" flashes in the display.

→ Adjust the antenna.

Severe hum or noise.

- Adjust the antenna.
- The signal strength is too weak. Connect the external antenna.
- Connect the ground wire.

Noise when the TV is turned on.

→ Turn off the TV, or move the unit away from the TV.

Cassette Deck

You can not play back a tape.

→ The player is in pause mode.

You can not record on a tape.

- No tape in the cassette holder.
- The tab has been removed from the cassette.
- The tape has reeled to the end.

Unbalanced tone in high-range frequency.

→ DOLBY NR is not set to the same position as was set for recording.

The tape does not record nor playback or there is a decrease in sound level.

- The heads are dirty. Clean them.
- Magnetic deposits have built-up on the record/playback heads.*

There is excessive wow or flutter, or the sound drops out.

- The capstans or pinch rollers are contaminated.*

The tape does not erase completely.

- Magnetic deposits have built-up on the record/playback heads.*

Noise increases or the high frequencies are erased.

- Magnetic deposits have built-up on the record/playback heads.*

* : See "Maintenance".

Synchronized CD recording will not operate.

- The tab has been removed from the cassette.
- The tape direction is not correct. (The tape is wound to its end.)

Noise when the TV is turned on.

- Turn off the TV, or move the unit away from the TV.

CD Player

The CD tray will not open.

- Turn off the power and momentarily disconnect the AC power cord.

The CD tray will not close.

- The CD is not placed correctly.

The CD will not play.

- The CD is dirty.
- The CD is inserted label side down.
- The player is in pause mode.
- Moisture condensation has built up. Leave the system turned on for about an hour until the moisture evaporates.

Play will not start from the first track.

- The player is in program or shuffle mode. Press CONTINUE.

"LIFE" is displayed.

- ►►►► was repeatedly pressed at the end of the CD. Press ◀◀◀◀ (or ◀◀◀ on the remote) to return to the normal display.

The "no disc" indication is displayed.

- No discs are inserted. Insert a disc.

Remote

The remote does not function.

- The AUDIO/VIDEO and/or component selector switches are set incorrectly. Set the AUDIO/VIDEO switch to AUDIO when controlling the HCD-VA550.
- The batteries have run down. Replace both batteries.
- There is an obstacle between the remote and the system. Remove the obstacle.
- The remote is not pointed at the remote sensor.
- The remote is too far from the unit.

Maintenance

To clean the tape heads and tape path

Contaminated tape heads cause poor recording or sound drop-out in playback. We recommend cleaning after every 10 hours of operation.

Use a commercially available cassette type cleaner. Follow the instructions supplied with the cassette type cleaner and be sure to allow enough time for the cleaned areas to dry before inserting a tape.

Inserting cleaning instruments into the cassette compartment may damage to the playback heads and/or the internal mechanisms.

To demagnetize the tape heads

After 20 to 30 hours of use, enough residual magnetism will have built up on the heads to begin to cause hiss and a loss of high frequencies. Demagnetize the heads and all metal parts in the tape path with a commercially available cassette type tape head demagnetizer. Refer to the instructions of the demagnetizer.

To clean the cabinet

Use a soft cloth slightly moistened with a mild detergent solution.

To clean the CD

When a CD is dirty, clean it with a cleaning cloth. Wipe the CD from the center out.

Notes on CD

- Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.
- If there is a scratch, dirt or fingerprint on the CD, it may cause a tracking error.

Specifications

Tuner

System FM stereo
FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 - 108.0 MHz
Antenna
USA and Canadian models
75 ohms unbalanced
300 ohms balanced
UK model
75 ohms unbalanced
Intermediate frequency
531 - 1,710 kHz (9 step)
10.7 MHz

AM tuner section

Tuning range
USA and Canadian models
AM: 530 - 1,710 kHz (10 step)
531 - 1,710 kHz (9 step)
UK model
MW: 531 - 1,602 kHz
LW: 153 - 279 kHz
Antenna AM loop antenna
External antenna terminals
Intermediate frequency
450 kHz

Cassette deck section

Recording system
4-track 2-channel stereo
Frequency response
DOLBY NR OFF
With Sony Type II cassette
40 Hz to 14 kHz (±3dB)
With Sony Type I cassette
40 Hz to 13 kHz (±3dB)
Wow and flutter
0.1% (W.RMS)
±0.2% (W.Peak)

Compact disc player

Laser Semiconductor laser
(λ=780 nm)
Emission duration: continuous
Laser output power
Less than 44.6 μW*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.

General			
Audio input	Jack type	Sensitivity	Impedance
MD	Phono	440 mV	50 kilohms
AUX	Phono	250 mV	50 kilohms
Audio output	Jack type	Voltage	Impedance
MD	Phono	250 mV	1 kilohm
FIXED	Phono	440 mV	1 kilohm
VARIABLE	Phono	620 mV	1 kilohm

Power requirements
 120 V AC, 60 Hz (USA and Canadian models)
 220-230 V AC 50/60 Hz (UK model)

Power consumption
 25 W

AC outlet unswitched, 120 W/1 A max (USA and Canadian models)

Mass Approx. 8.3 kg (3 lb. 13 oz.)

Dimensions
 Approx. 430 x 130 x 385 mm (17 x 5 1/8 x 15 1/4 inches) (w/h/d, including projections)

Supplied accessories
 Remote commander RM-U55 (1)
 FM wire antenna (1)
 AM loop antenna (1)
 Audio connecting cord (1)
 Control S cord (1)
 Batteries Sony SUM-3 (NS) (2)

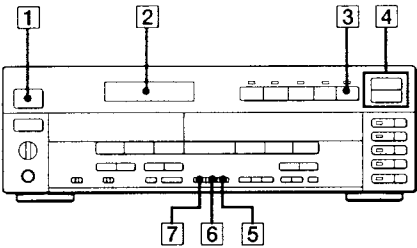
Design and specifications are subject to change without notice.

Index to Parts and Controls

Refer to the pages indicated in parentheses for details or how to use the controls. Controls with an asterisk have indicators on them.

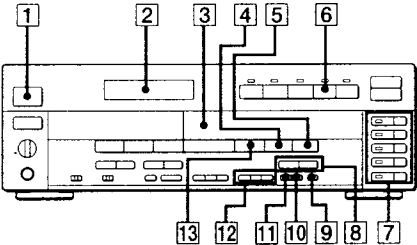
Front Panel

Tuner section



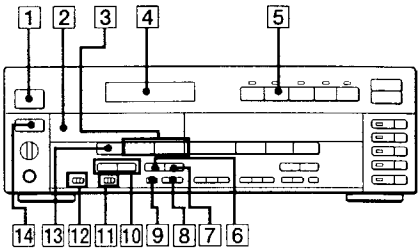
- 1 POWER button
- 2 Display window (9, 10)
- 3 TUNER/BAND button (9, 10)
- 4 TUNING +/- button (9, 10)
- 5 MEMORY button (11)
- 6 STEREO/MONO button (9)
- 7 TUNING MODE button (9, 10)

Multi-compact disc player section



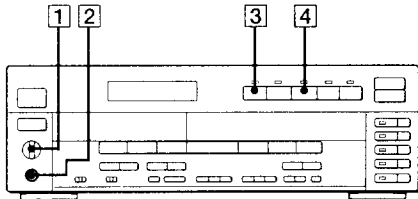
- 1 POWER button
- 2 Display window (6, 7, 8)
- 3 Disc tray(s) (6)
- 4 II (pause) button (6, 7, 8)
- 5 ■ (stop) button (6, 7, 8)
- 6 CD button (12)
- 7 ≡ OPEN/CLOSE and disc select buttons (6, 12, 13)
- 8 I<<<</>>>>I buttons (7)
- 9 TIME button (7)
- 10 CHECK button (8, 13, 14)
- 11 EDIT button (13)
- 12 PLAY MODE buttons
 CONTINUE (6, 7, 8, 13, 14)
 SHUFFLE (7)
 PROGRAM (7)
- 13 ▷ (play) button (6, 7, 8, 12)

Cassette deck



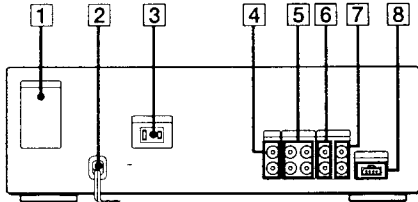
- 1 POWER button
- 2 Cassette tray (11)
- 3 ◀ / ▶ (play) buttons (11, 12, 13, 14)
- 4 Display window (13)
- 5 TAPE button
- 6 II PAUSE button (12, 13, 14)
- 7 ● REC button (12, 13, 14)
- 8 CD SYNCHRO button (12, 13)
- 9 COUNTER RESET button (11)
- 10 ◀◀ (fast leftward)
 ▶▶ (fast rightward) buttons (11)
- 11 DIRECTION mode selector (11)
- 12 DOLBY NR selector (11, 12, 13, 14)
- 13 ■ (stop) button (11, 12, 13, 14)
- 14 ≡ OPEN/CLOSE button (11, 12, 13, 14)

Other



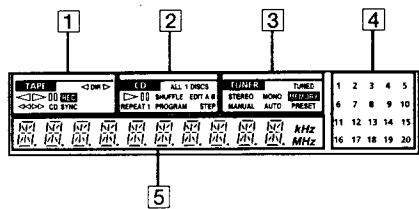
- 1 LINE OUT/
 PHONES LEVEL (6, 9, 11, 16)
- 2 PHONES (16)
- 3 MD (16)
- 4 AUX (16)

Rear Panel



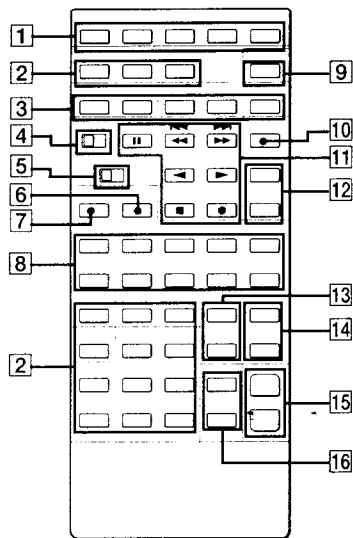
- 1 Antenna terminals (4)
- 2 AC power cord (mains lead) (5)
- 3 AC OUTLET (USA/Canada only) (16)
- 4 AUX IN jacks (16)
- 5 MD jacks (16)
- 6 LINE OUT (FIXED) jacks (4)
- 7 LINE OUT (VARIABLE) jacks (16)
- 8 CONTROL S OUT jack (4)

Display Window



- 1 Tape indicators (11, 12, 13, 14)
- 2 CD indicators (6, 7, 8, 12, 13)
- 3 Tuner indicators (9, 10)
- 4 CD music calendar (6, 7, 8, 13)
Tuner preset calendar (10)
- 5 Frequency/Multi-display (6-10, 13)

Remote (RM-U55)



- 1 VCR, LDP (laserdisc player), TV, HCD, and VA (SA-VA15 speaker system) POWER buttons (15)
- 2 VA (SA-VA15 speaker system) control buttons (15)
- 3 FUNCTION buttons (for HCD) (15)
- 4 AUDIO/VIDEO selector (15)
- 5 Component selector (15)
- 6 TV/VCR button (for TV) (15)
- 7 ENTER button (for TV) (15)
- 8 Numeric buttons (for TV)
T.TONE and DELAY buttons
(for SA-VA15 speaker system) (15)
- 9 SYSTEM OFF button
- 10 BAND and ANT TV/VCR button (9, 15)

- 11 Operation button (for TAPE, CD, MD, VCR and LDP) (15)
 - ▶ (play)
 - ◀ (play) and CD REPEAT (8, 15)
 - ◀◀ (fast leftward) (15)
 - ▶▶ (fast rightward) (15)
 - ◀◀◀ (CD track skip backwards) (15)
 - ▶▶▶ (CD track skip forwards) (15)
 - || (pause)
 - (stop)
 - (record) and DISC SKIP (6, 15)
- 12 CH PRESET button (10, 15)
- 13 TV CH (channel) button (15)
- 14 TV VOL (volume) button (15)
- 15 VA VOL (SA-VA15 volume) button (6, 15)
- 16 HCD VOL (volume) button (6, 15)

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