

SANYO

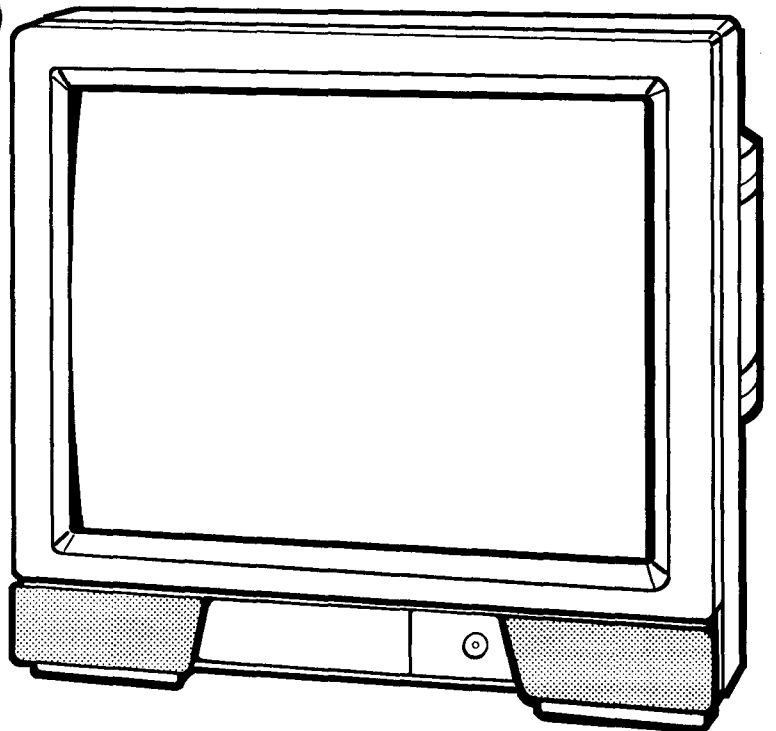
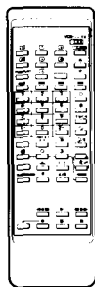
**Instruction
Manual**

**Colour
Television**

**Model CAP3310TXN
CZP3310TX**

**STEREO*
SURROUND (ALL IN ONE)
TELETEXT
S-TERMINAL
VIDEO MULTI TERMINAL
(PAL/NTSC/NTSC4.43)**

**MESSAGE
CALENDAR
HELP MESSAGE**



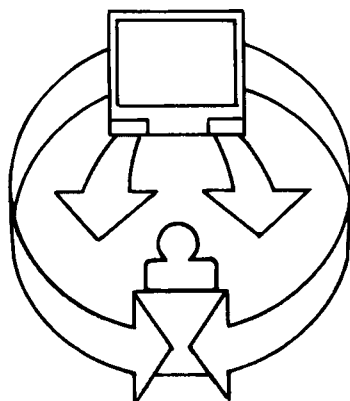
* Model CAP3310TXN – NICAM Digital Stereo Decoder and West Germany Stereo Decoder built in.
* Model CZP3310TX – NICAM Digital Stereo Decoder built in.

Introduction

■ Hi-Fi Stereo Sound Circuit with Surround Circuit.

ALL IN ONE (Surround speaker built in).

It's easy to enjoy TV and video sound with the Surround effect.

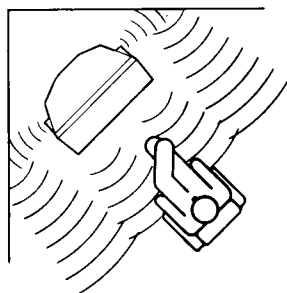


Surround System

The sounds that we hear in a natural listening environment consist of those which reach our ears directly from the sound source, and those which reach us indirectly after being reflected off of the floor, walls, and other surrounding objects. The Surround System electrically produces these direct and indirect sounds, then sends them through speakers to surround the listener with sound that is rich in stereo presence.

Where to Place the TV for the best Surround Effect

- Do not place furniture or other objects any closer than 30 cm from the sides of the TV. Placing objects directly next to the sides of the TV will block the sound from the speakers.
- It is a good idea to place the TV in a corner of the room. This allows the walls to serve as reflectors to achieve a greater Surround effect.



■ This AV Television Allows Free System Expansion

- S-terminal is provided.
- Three video/audio inputs and one audio output enable easy VCR connection for tape playback and editing.

■ MESSAGE, CALENDAR and HELP-MESSAGE functions

In addition to standard TV functions, this set offers the convenience of MESSAGE, CALENDAR and HELP MESSAGE functions in 5 language: English, German, French, Italian and Spanish.

* For the handling of these functions, please refer to the separate operating manual.

Electric Mains

The TV receiver is manufactured to utilize an AC VOLTAGE SOURCE of 220-240 Volts, 50Hz.

Safety Precaution

When the TV receiver is not to be used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.

WARNING

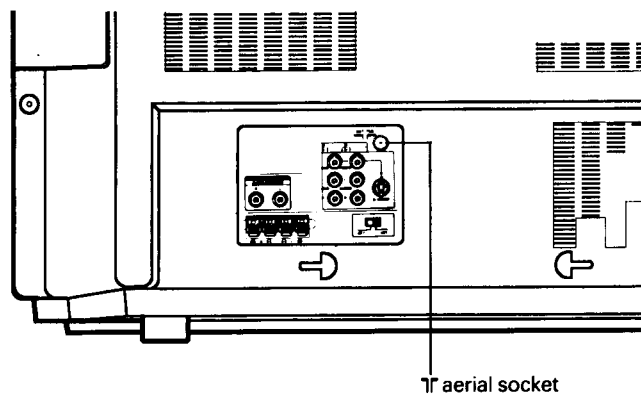
To prevent fire or shock hazard, do not expose the unit to rain or moisture.

High voltages are used in the operation of this TV set.

Do not remove the back from your set. Refer servicing to qualified service personnel.

Aerial Connection

- Connect the cable with a plug from a UHF (or VHF) aerial to the Υ aerial socket on the cabinet back.



- For all aerial circuit problems please consult your local dealer.

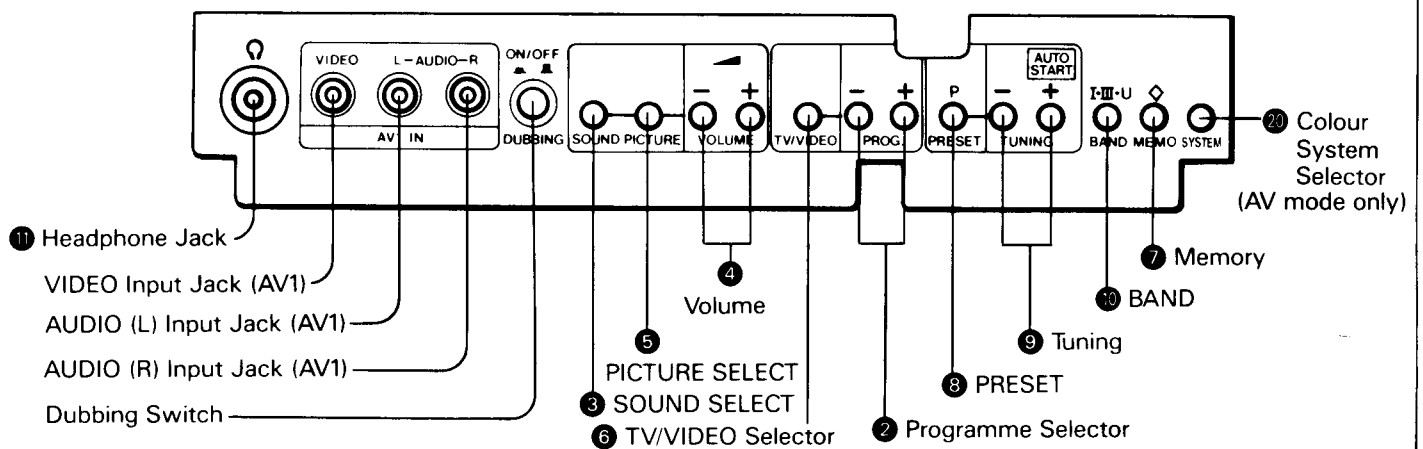
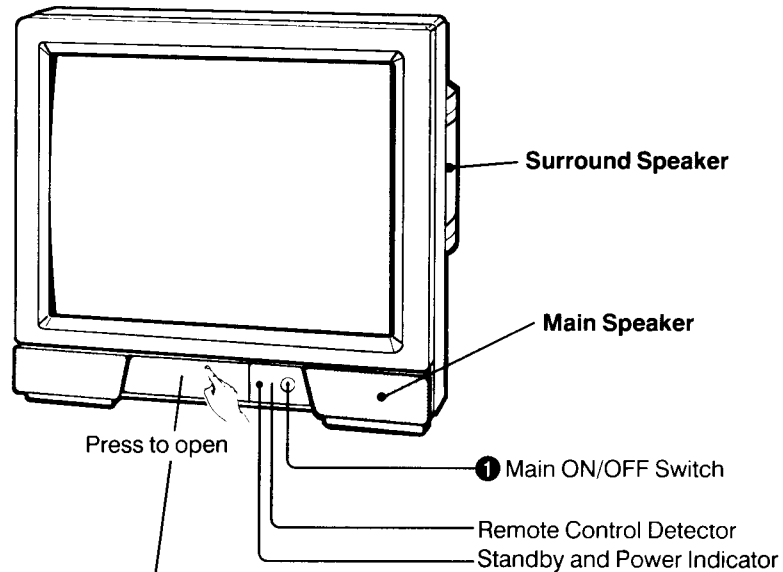
Battery Installation (Remote Control Transmitter)

- 1 Remove the battery cover by sliding.
- 2 Install two "AA" 1.5 volt batteries so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the unit.
- 3 Close the battery cover.

Note: Replace the batteries when the TV set is showing the following symptoms:

Operation is unsteady or erratic, sometimes the TV set does not work with transmitter. Discharged batteries may leak and damage the unit. The normal life of batteries should be from nine to ten months.

Controls



Operation of the Receiver

Switching on/off

To turn on the TV:

Press **Mains ON/OFF** switch ①.

To turn off the TV:

Press the Power ON/OFF button ①-1 on the remote control transmitter, and the TV changes to the standby mode. During the standby mode, the standby and power indicator illuminates more brightly than during the power-ON mode.

Press this button ①-1 to turn off the unit for short periods of the time.

To turn on the TV from the standby mode:

Press one of these buttons:

- Power ON/OFF ①-1 (Remote control transmitter)
- Programme Selector ②-1 (Remote control transmitter)
- Volume ④

To cut off the mains power completely:

Press the **Mains ON/OFF** switch ①.

Important! Be sure to set the Mains ON/OFF switch ① to the off position, if the power failure occurs while viewing.

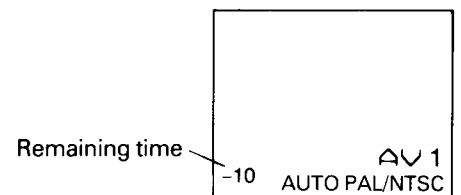
AUTO SHUT OFF

This TV set incorporates the AUTO SHUT OFF function.

Even if the TV is left on after you have gone to sleep, the TV set changes to the standby mode within 10 minutes after all broadcasts have ended.

Note: AUTO SHUT OFF also functions for the AV mode even when there is no signal being transmitted.

The remaining time for AUTO SHUT OFF is displayed on the screen.



Programme selection

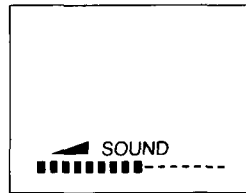
Press the right side (+) of the programme selector ② of the TV set, and the TV set will step up to the next station, i.e; 1, 2, 3 ... 29, VCR1, VCR2, VCR3, 1, 2, 3 ...

Press the left side (-), and the TV set will step down to the previous station.

(Operation of the Receiver)

Sound adjustments

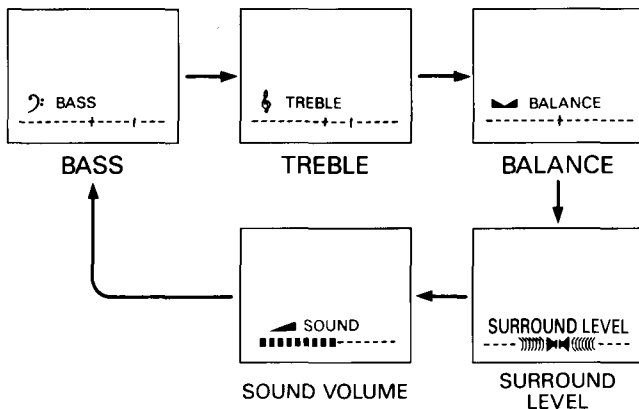
- To adjust the sound volume:
Press + or - volume **4** button.



- To adjust the bass, treble, balance and the depth of surround effect:

- Select the control function by pressing SOUND SELECT **3** button.

- Each time SOUND SELECT **3** button is pressed, the control function changes as follows:



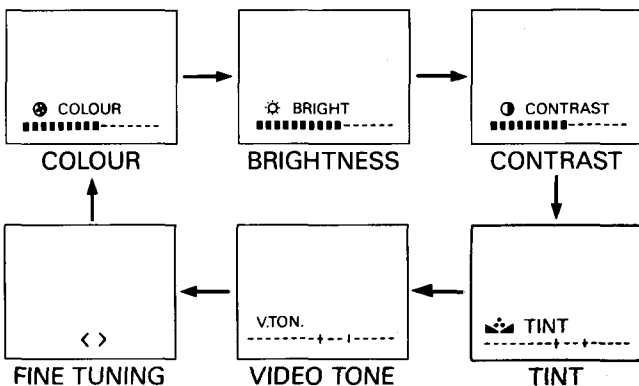
Note: "SURROUND LEVEL" will be skipped when the Surround effect is turned off.

- Adjust the bass, treble, balance or the depth of surround effect by pressing Volume **4** button.

Picture adjustments

- Select the picture control function by pressing PICTURE SELECT **5** button.

- Each time PICTURE SELECT **5** button is pressed, the control function changes as follows:



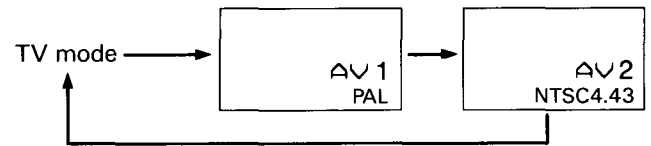
NOTE: "TINT" will be skipped during PAL mode.

- Adjust the colour intensity, brightness, contrast, tint, video tone or fine tuning by pressing Volume **4** button.

6.... TV/VIDEO Selector

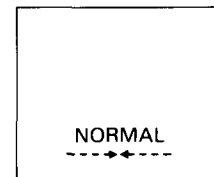
To watch the television programmes leave this switch in the TV mode. When this switch is set to the VIDEO mode you can enjoy the playback from the VCR or other AV equipment connected to the AV input terminals.

Each time the TV/VIDEO Selector **6** is pressed, the AV position changes as follows:



7.... Memory \diamond

This function lets you store the settings (for colour, brightness, contrast, video tone, tint, sound volume, bass, treble, balance and Surround effect) in memory for both picture and the sound. Simply adjust the picture and sound as desired, then press the Memory \diamond **7** button. To recall these levels from memory, press the Normalization $\rightarrow \leftarrow$ **16** button on the remote control unit.



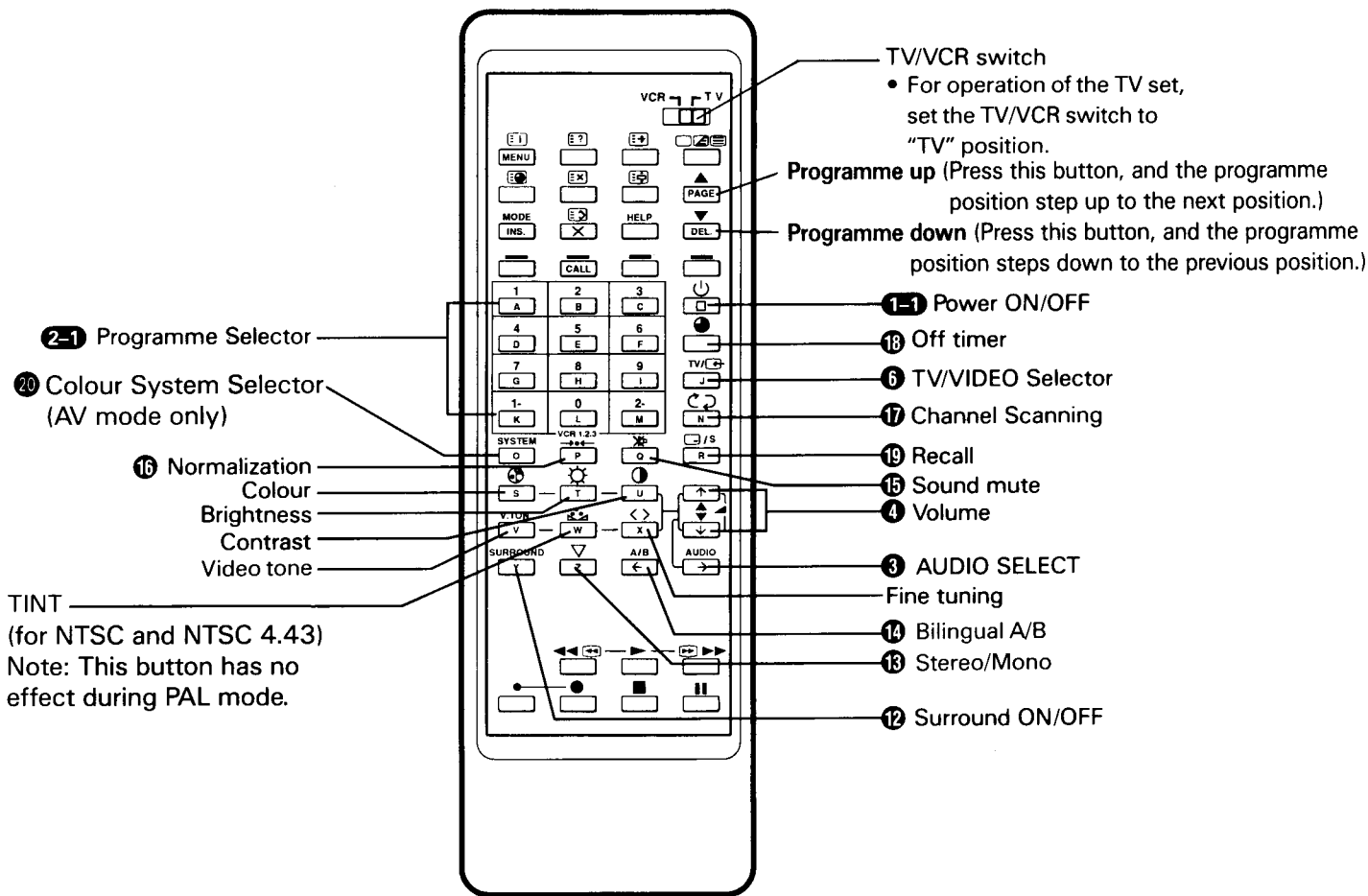
When Memory button is pressed, "NORMAL" is displayed.

11.... Headphone Jack H

Insert the headphones plug into this jack to listen to either stereo or monaural sound via a headphones set.

Note: No sound will be heard from the speakers when the headphones plug is connected to this jack.

Remote Control Operation



Main ON/OFF switch of the TV set must be in "ON" position before remote control operation is possible.
Point transmitter towards the TV set, then press the appropriate function button for the following controls.

1-1 ... Power ON/OFF

Press this button to switch TV set on.
To switch TV set off, press again.

2-1 ... Programme selection

- e.g. To select programme number 17, press "1-" button and then press "7" button **2-1** within five seconds.
To select programme number 27, press "2-" button and then press "7" button **2-1** within five seconds.

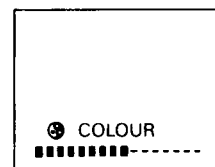
■ You can select any desired programme number directly from standby mode.

- e.g. To directly select programme number 2 from standby mode, press the "2" button. The set is then switched on, and the picture of programme number 2 appears.

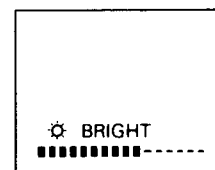
To directly select programme number 16 from standby mode, press the "1-" button (after which the Standby and Power indicator flashes), then press the "6" button. The set is then switched on, and the picture of programme number 16 appears.

Picture adjustments

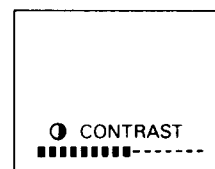
- To adjust the colour intensity:
Press **COLOUR** button.
↓
Press **▲** or **▼** volume **4** button.



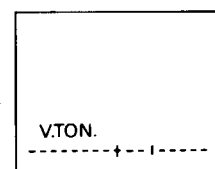
- To adjust the brightness:
Press **BRIGHT** button.
↓
Press **▲** or **▼** volume button.



- To adjust the picture contrast:
Press **CONTRAST** button.
↓
Press **▲** or **▼** volume button.



- To adjust the video tone:
Press **V. TON.** button.
↓
Press **▲** volume button.
→shap picture.
Press **▼** volume button.
→soft picture.

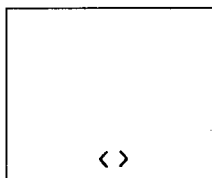


(Remote Control Operation)

• Fine tuning

Press < > (Fine tuning) button.

Press ▲ or ▼ volume button.



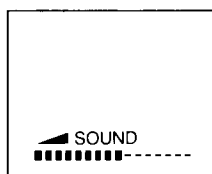
Note: Normally fine tuning is not required for this TV. However, in some case (such as radio interference) picture may become more clear by detuning from the best tuned frequency.

In such case, you can use this fine tuning to eliminate some interference beat pattern.

Sound adjustments

• To adjust the sound volume:

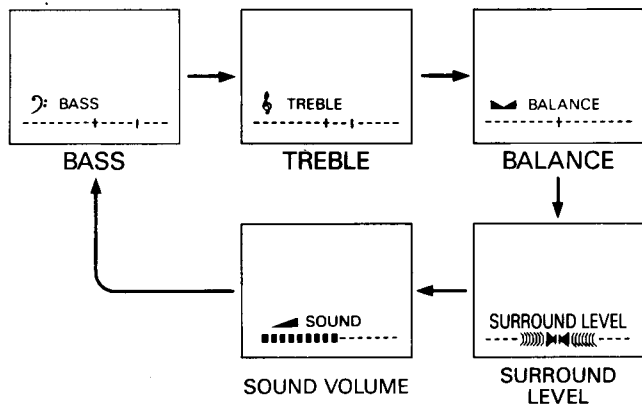
Press ▲ (up) or ▼ (down) volume 4 button.



• To adjust the bass, treble, balance and the depth of surround effect:

1 Select the control function by pressing AUDIO SELECT 3 button.

• Each time AUDIO SELECT 3 button is pressed, the control function changes as follows;



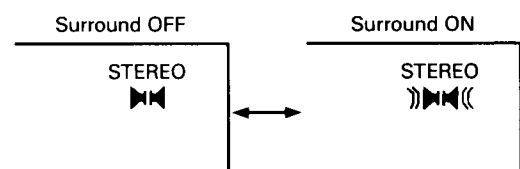
Note: "SURROUND LEVEL" will be skipped when the surround effect is turned off.

2 Adjust the bass, treble, balance or the depth of surround effect by pressing Volume 4 button.

12... Surround ON/OFF

To enjoy the surround effect, press the Surround ON/OFF 2 button.

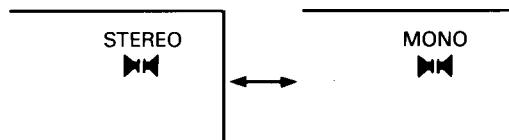
To cancel the effect, press this button again.



13... Stereo/Mono ▽

• When receiving the stereo broadcast, STEREO is displayed. If the sound of a stereo broadcast is not clear due to interference or poor reception, select the MONO position by pressing this button.

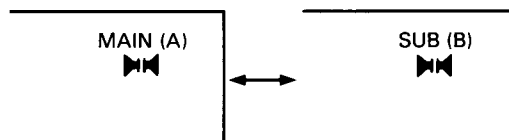
• In the AV mode, select either STEREO or MONO to match the stereo or monaural condition of the audio signal coming from an external source, e.g. a VCR, A. V. equipment, or other component by pressing Stereo/Mono Switch.



14... Bilingual A/B

When receiving the bilingual broadcast, MAIN (A) is displayed.

You can select the main or sub language with this button.

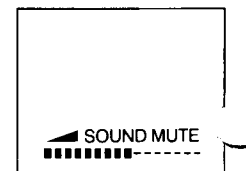


In the AV mode, each time Bilingual A/B button is pressed, the audio channel changes as follows:

LEFT (A) ↔ RIGHT (B)

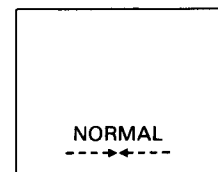
15... Sound mute ✕

Should you wish to mute the sound (e.g. While talking on the telephone), press this button once. To switch the sound back on, press it again.



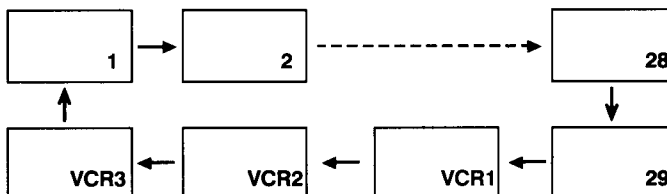
16... Normalization →←

Press this button to recall the picture and sound settings which you stored using the Memory 7 button.



17... Channel Scanning ↻

Press Channel Scanning button 17 to search for a programme. The channel positions are automatically scanned, and the channel scanning will stop at the position where it began. To stop at the position you want, press this button again.

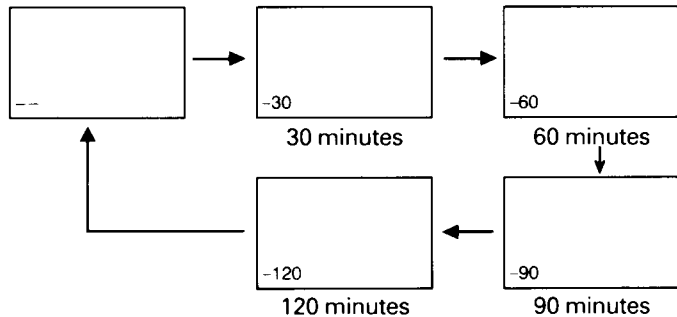


(Remote Control Operation)

18.... Off timer

After a set time has elapsed, the power of the TV receiver is switched off automatically.

- Each time Off timer button 18 is pressed, the set time changes as follows:



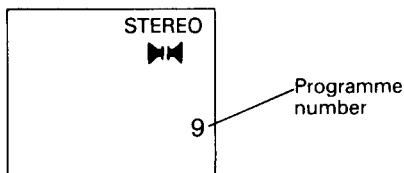
With the off timer being set and the channel display reset, the remaining time is displayed by pressing the off timer button again.

When the button is pressed again within three seconds after the button was first pressed in above manner, the time is set to an upper time which is most close to the remaining time.

- Just one minute before switching off, "01" and programme number you are watching are displayed on the screen.
- The timer setting will be cancelled if the power is switched off.

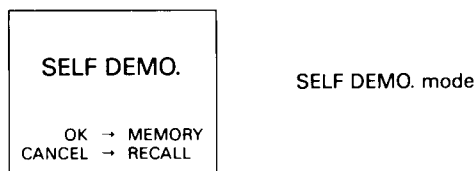
9.... Recall

To display the on-screen indications, press this button. The display disappears after five seconds.



Note: When this button is pressed for more than 2 seconds, The following is displayed and the unit enters SELF DEMO mode. This mode is for use in storefront demonstrations.

It has no effect on TV operation.



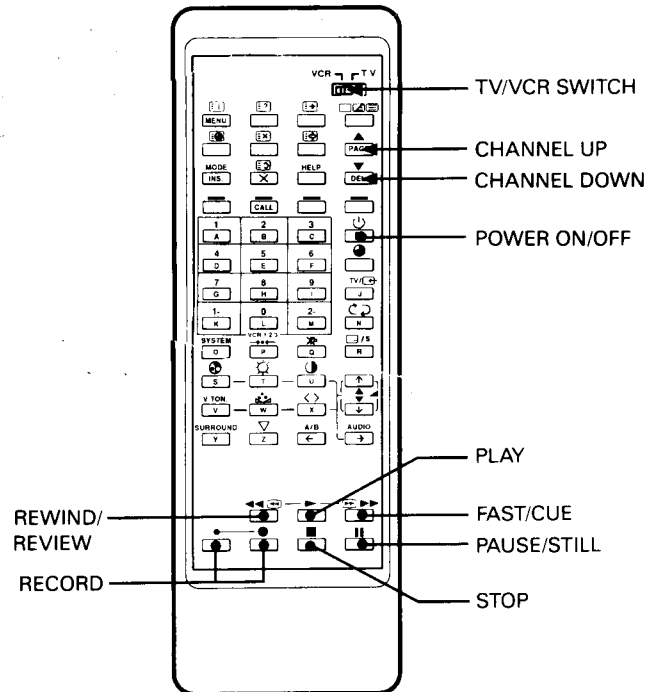
- To cancel the SELF DEMO mode, press the Recall button once again.
- If the Memory button is pressed in the SELF DEMO mode, the self-demonstration will begin. You can also cancel the SELF DEMO mode midway through play by pressing the Recall button.

VCR USE

Note: This remote control transmitter has been designed especially to be used in conjunction with selected SANYO VCR's.

Some SANYO VCR's may have their own functions, so please refer to the individual instruction booklet when using this remote control with SANYO VCR's to ensure compatibility.

- For VCR use set the TV/VCR switch to "VCR" position.



POWER ON/OFF BUTTON

Use to turn VCR power on and off.

PLAY BUTTON

Use to playback the tape.

STOP BUTTON

Use to stop the movement of the tape.

FAST/CUE

Use to advance the tape at fast speed, or in order to playback the tape at fast speed.

REWIND/REVIEW

Use to rewind the tape, or in order to playback the tape in reverse at fast speed.

PAUSE/STILL

Use to temporarily stop (Pause) the tape when recording, or in order to see a still image during playback.

CH UP DOWN

Use to change the programming position for the VCR.

RECORD

Use to record on the tape. Press both of the RECORD buttons at the same time.

Pre-Setting of Stations

Up to 32 broadcast stations in your reception area can be stored in the electronic memory.

There are two ways of presetting as follows:

Automatic presetting – the basic way

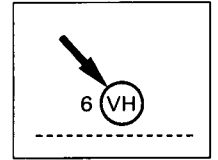
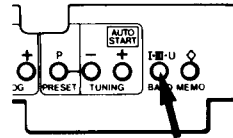
All receivable channels are automatically tuned in and memorized in consecutive program positions.

Note: Programme position 1 to 29 can be automatically preset. VCR1, VCR2 and VCR3 positions cannot be automatically preset.

Manual presetting

Use to preset a receivable channel in any desired program position, e.g. the position with the same number as the channel.

4. Press BAND selector 10 to select the channel band.

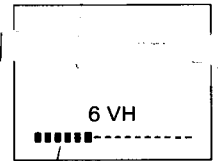
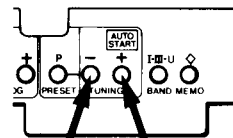


When BAND selector is pressed, the frequency will be set to the lowest frequency in the set band.

- Channels band VL, VH and U are for the following channel groups.

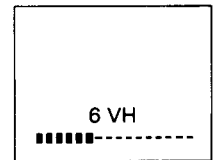
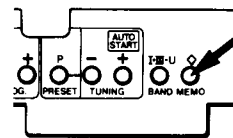
	(Asia)	(New Zealand)
VHF low band :	E2 – E4	1 – 3
VHF high band :	E5 – E12	4 – 11
UHF band :	21 – 69	21 – 69

5. Press and hold Tuning (+) or (-) button until the desired station appears.



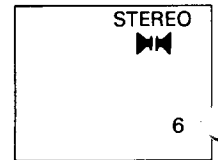
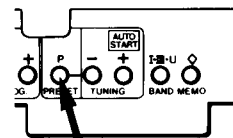
The number of upright segments increases for a higher-frequency channel.

6. Press (Memory) button 7.



7. Repeat steps 3 to 6 for other desired channels.

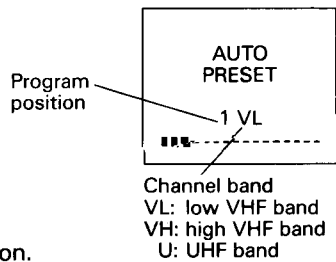
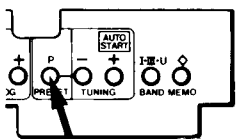
8. Press PRESET 8 or Recall /S button. This completes the presetting.



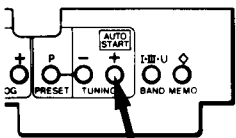
Automatic presetting

- Select any programme position from 1 to 29. (Automatic presetting is not possible from the VCR1, VCR2, or VCR3 position.)

- Press PRESET 8 button.



- Press TUNING (+) 9 button.



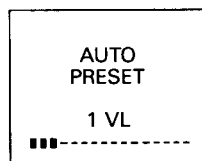
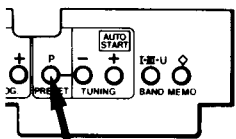
The channels are preset in consecutive positions beginning from the program position "1".

After all available channels (position 1 to 29) have been preset, the unit returns to the position "1".

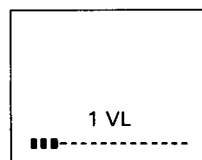
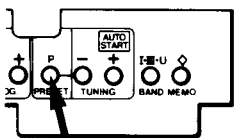
Note: To cancel automatic presetting midway, press the Recall /S button.

Manual presetting

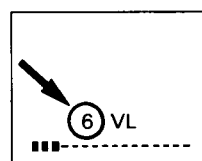
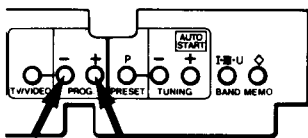
- Press PRESET 8 button.



- Press PRESET 8 button again.



- Press the programme selector 2 or 2-1 to select the desired programme position.



Memory Copy

This TV tuning system has another advanced feature called "memory copy".

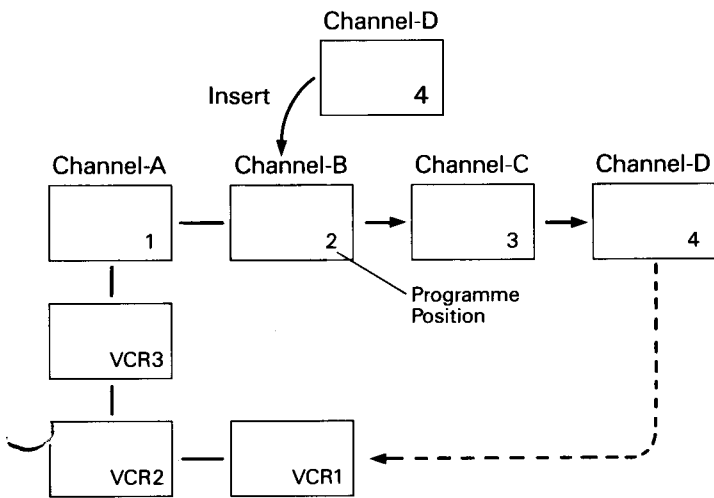
For example, if you wish to copy the TV channel in the programme position "2" into the programme position "6":

- Select the programme position "2".
- Press PRESET 8 button.
- Press PRESET 8 button once again.
- Press "6" button of the programme selector 2-1.
- Press (Memory) button 7.
- Press PRESET 8 or Recall /S (Recall) button 19.

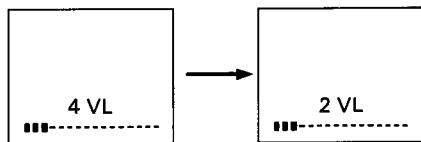
(Pre-Setting of Stations)

Inserting Channels

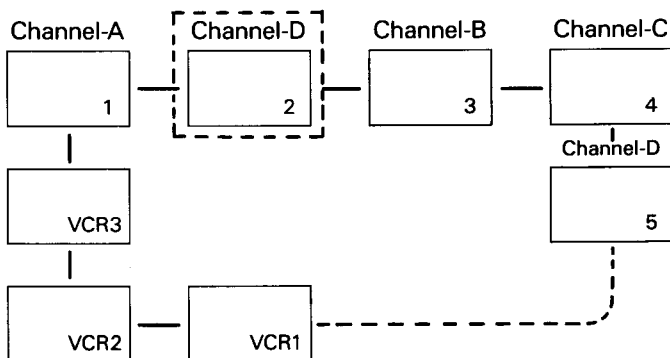
The following example shows how to insert Channel-D of programme position "4" into programme position "2".



1. Select programme position "4" (Channel-D).
2. Press PRESET **8** button.
3. Press PRESET **8** button once again.
4. Press "2" button of the Programme Selector **2-1**.



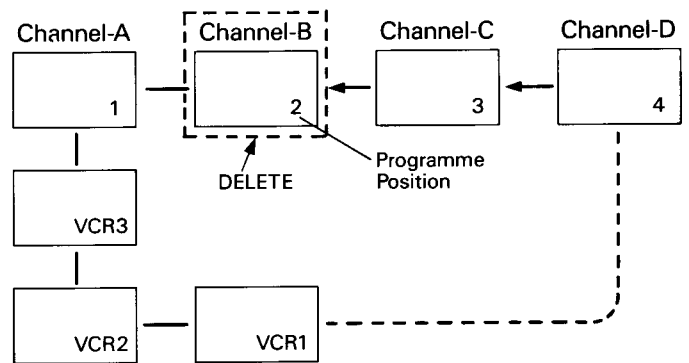
5. Press and hold down the TV/VIDEO selector **6**, then press the (+) Programme Selector **2**.
6. Press the PRESET **8** or Recall **1/S** **9** button.
 - Channel-D of programme position "4" is now inserted into programme position "2".
 - In this example, the channels from Channel-B (programme position "2") onward will be shifted successively into the next highest programme position.



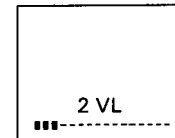
Note: You cannot insert a channel which would cause the channel in programme position "29" to shift to a higher programme position. You also cannot insert channels into the VCR1, VCR2, or VCR3 position. When the above procedure is done, the position indicators will flash in red.

Deleting Channels

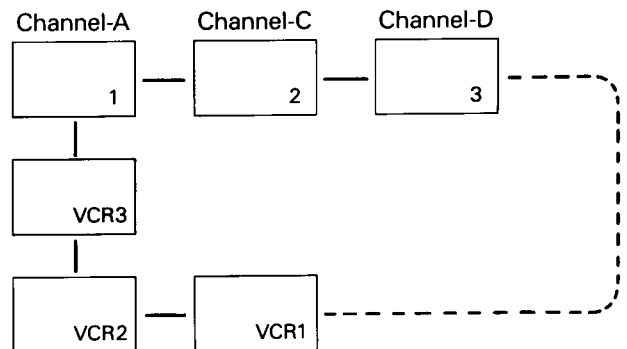
The following example shows how to delete Channel-B from programme position "2".



1. Select programme position "2" (Channel-B).
2. Press PRESET **8** button.
3. Press PRESET **8** button once again.



4. Press and hold down the TV/VIDEO selector **6**, then press the (-) Programme Selector **2**.
5. Press PRESET **8** or **1/S** (Recall) **9** button.
 - Channel-B of programme position "2" is now deleted.
 - In this example, the channels from Channel-B (programme position "2") onward will be shifted successively into the next lowest programme position.

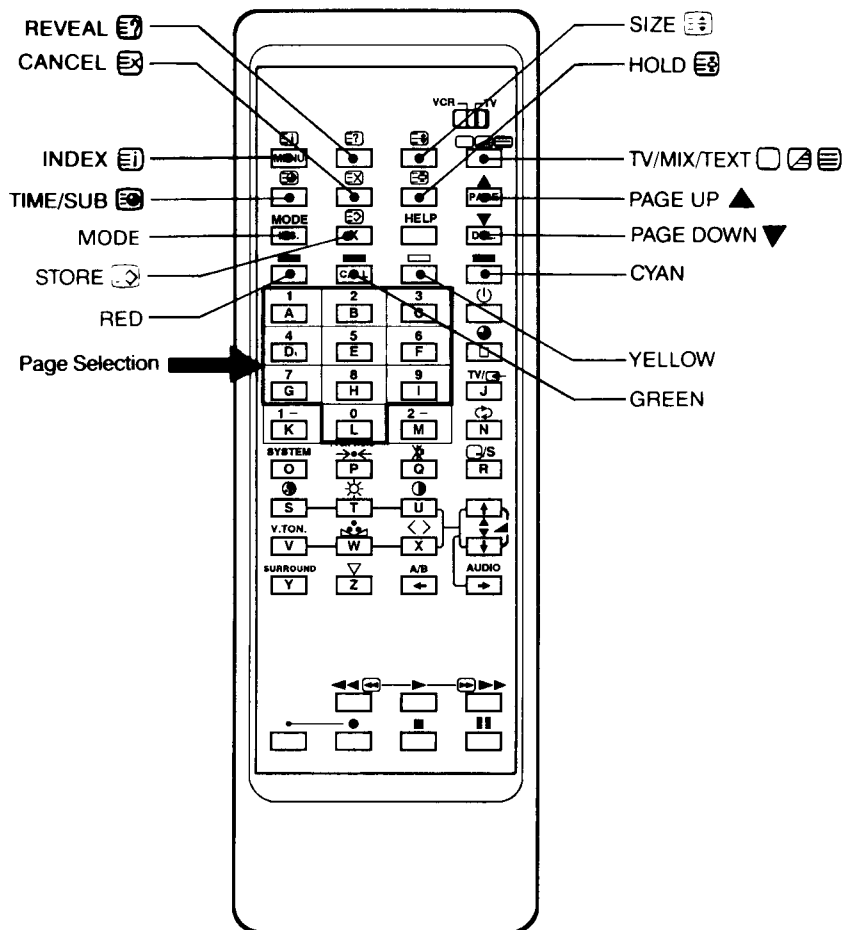


Note: Channel deletion is not possible in the VCR1, VCR2, or VCR3 position.

When the above procedure is done, the position indicator (VCR1, VCR2, or VCR3) will flash in red.

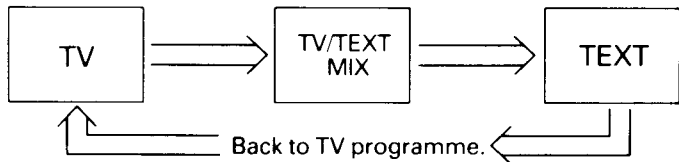
TELETEXT USE

- Automatically adjust for displays in English, German, French, Swedish, Italian and Spanish in accordance with the television broadcast signals.



■ Switching to the Teletext Mode

Press the TV/MIX/TEXT button, then the screen changes as follows:



■ Page Selection

DIRECT PAGE ACCESS

A page can be selected with the 0 ~ 9 buttons. For example, to display page 120 press buttons 1, 2 and 0. The selected page number will appear on the screen.

UP-DOWN PAGE ACCESS

If a page is displayed on the screen and you want to read the following page, you can press the UP button instead of selecting the page number. To bring back the previous page press the Down button. If you keep the UP or DOWN button pressed the page numbers will run up or down until you release the button.

The page number will change as follows by pressing the UP-DOWN button.

(▲) P200 – P201 – P202 – – F299 – P200 – P201

(▼) P200 – P299 – P298 – – P201 – P200 – P299

Note: In the LIST mode, you can access the pages directly. (See page 12.)

(TELETEXT USE)

■ Sub-coded page access

For Teletext information which is longer than one page it may take some time for the automatic changing of sub pages to reach the sub page you require. It is possible, however, to enter the sub-page you require and then continue watching the normal television picture until the correct sub-page is reached.

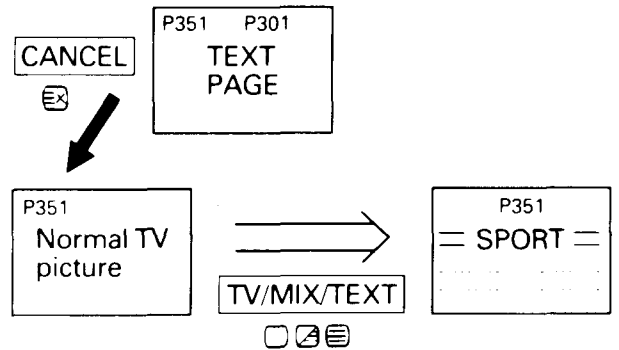
- A. Select the required page using the page selection button.
- B. Press the TIME/SUB button. The character "S" and sub code digits "*****" will be displayed in the top left of the screen.
- C. Enter the desired sub-page number before figure "S*****" disappears. For example, if you select sub-page 10 you must press 0, 0, 1 and 0 button.
Then the character "+" is displayed following the page number.
- D. Press the CANCEL to return to normal television programme. When the correct sub-page is reached the page number will appear on the normal television picture.
- E. Press the TV/MIX/TEXT button to display the stored page.
- F. To clear the sub-coded page you must enter a new page number.

Note: It is not possible to select another television station during a sub-page access operation.

VIEWING TV WHILE SEARCHING FOR A PAGE

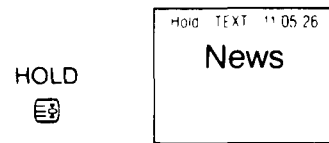
In some cases it can take some time to look for a page. In the interval you can view TV by pressing the CANCEL button. When the page arrives, the page number will appear on the normal TV picture. Press TV/MIX/TEXT button to display the page.

Note: When you press the CANCEL button, the green ">" mark is displayed at the top right of the screen. Whilst this ">" mark is displayed you can not select another TV channel.



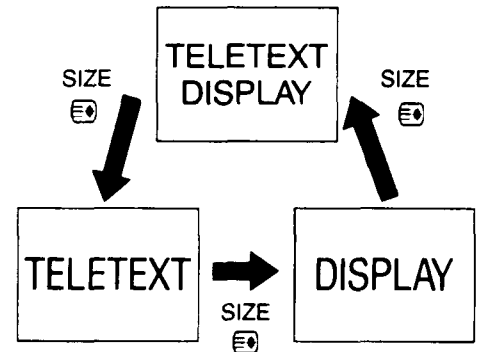
■ HOLD

If the teletext information is longer than one page, the pages are automatically changed. The automatic page changing can be cancelled by pressing the HOLD button. The word "HOLD" then appears on the top of the screen. Normal operation is restored by pressing the HOLD button again or entering a page number.



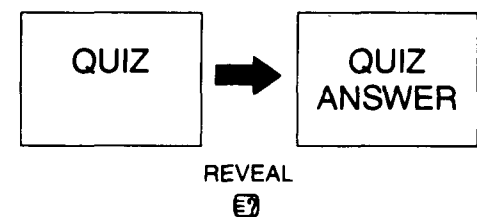
■ DOUBLE LETTER HEIGHT

Either the top or bottom half of the display can be expanded by pressing the SIZE button. When the SIZE button is pressed for the first time, the top half of the display is expanded. If it is pressed once again, the bottom half of the display is expanded. To return the display to normal-sized characters, this button should be pressed a third time.



■ DISPLAYING CONCEALED INFORMATION

In one of the lists of contents you may find the heading "QUIZ" (concealed information). If you have selected the relevant page number questions will appear on the screen. You can find out the correct answer to the questions by pressing the REVEAL button. Press the REVEAL button again to make the answers disappear.



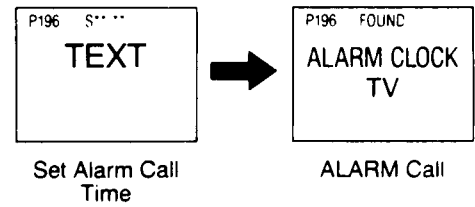
(TELETEXT USE)

■ ALARM CLOCK

The Alarm Clock Function can be set to operate at any requested time reminding viewers to carry out a specific task, i.e. making a phone call at a specified time.

First select either page 196 (BBC1) or page 296 (BBC2), using the page selection buttons. Press the TIME/SUB button, S**** will appear on the top of the screen. Select the time at which you require the alarm call.

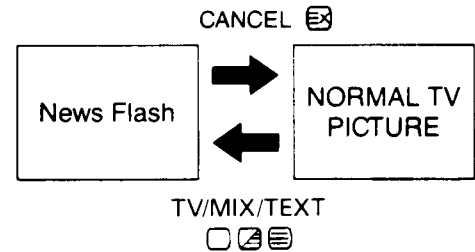
Example, for a call at 8:15 pm, press buttons 2015, watching that S**** changes to S20:15. Then press the CANCEL button to continue watching normal TV programmes. At 8:15 pm the words "ALARM CLOCK" in large letters will appear on the screen. Press the TV/MIX/TEXT button to return to normal teletext operation. It is not possible to select another TV programme when in the CANCEL mode.



■ NEWS FLASH

If you select the news flash page and view the TV programme by pressing the CANCEL button, the moment news comes in, the word "NEWS FLASH" and the news appears over the normal TV picture. If you want to make the news disappear press the CANCEL button again. To recall the news press the TV/MIX/TEXT button.

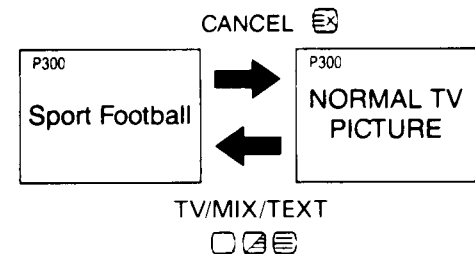
Note: It is not possible to select another TV station during a NEWS FLASH. You should first switch back to TV reception by pressing the TV/MIX/TEXT button. You can, however, change both the picture and sound settings.



■ UPDATED PAGES

There are pages which are updated as events progress, such as sports results, news reports and traffic information. If you have selected one of the above pages from the list of contents and you want to view television but still be kept informed about the other events, press the CANCEL button. The page will disappear and the TV station which will broadcast this will appear in the screen. As soon as this page is updated, the page number will appear on the normal TV picture. To display the updated page on the screen, press the TV/MIX/TEXT button. The page will disappear when the CANCEL button is pressed again.

Note: It is not possible to select another TV station during an UPDATE. You should first switch back to TV reception by pressing the TV/MIX/TEXT button. You can, however, change both the picture and sound settings.



(TELETEXT USE)

■ LIST

In the text mode, each time the **MODE** button is pressed, the text mode is changed to the **NON LIST** mode and the **LIST** mode alternately.

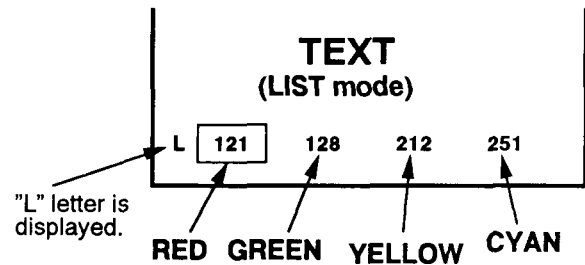
LIST mode

In the LIST mode, the four coloured page numbers and "L" letter are displayed on the bottom of the screen. The number on the left side is enclosed by a red frame. First, input the page number you desire, into each coloured position using the digit button, then press the **STORE** button for more than two seconds.

When the page number is memorized, the four coloured numbers change into white frame momentarily.

After you memorize the four page numbers, you can select the page you desire by pressing the **RED, GREEN, YELLOW** or **CYAN** button. Even if you select another page by inputting a new page number, (See direct page selection), the memorized pages return after switching power off or changing the programme position.

Note: When the **INDEX** button is pressed in this mode, the page number coloured RED will be selected.



Press the **MODE** button.

NON LIST mode

When first switching to the NON LIST mode, the INDEX page (P100) is automatically displayed.

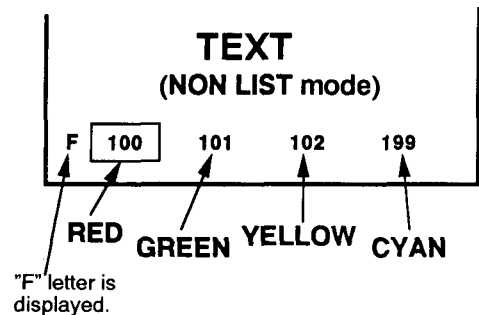
At the bottom of the screen, the four page numbers **100, 101, 102, 199** and "F" letter are also displayed.

Then, when you select a random page number out of the displayed four pages by pressing a colour button, the text of that page is displayed.

The selected page minus one, plus one, and plus two page numbers are displayed but their display order is at random.

Of course at any time you can select new pages by inputting new page numbers.

Note: When the **INDEX** button is pressed in this mode, the INDEX page (P100) is displayed.



■ MEMORY OF THE TEXT PAGES

When you assign a broadcasting station which is providing a TEXT service to some programme positions of your TV set, four pages of TEXT can be memorized on each programme position.

(To memorize the TEXT pages, see "LIST mode".) If it is required to have more than four instant text available from the same text service, tune the necessary number of programme positions to the same TV channel.

i.e. TV programme position 1 ... page, 300, 301, 302, 303
2 ... page, 304, 305, 306, 307
3 ... page, 308, 309, 310, 311

16 ... page, 411, 412, 413, 414

The memory capacity is 16 programme positions and four pages per each position.

Note:

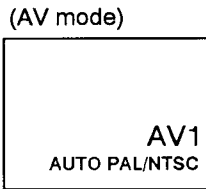
The producer and dealer does not take any responsibility for errors concerning teletext caused by wrong written teletext, wrong antenna installation or not sufficient power of transmitter (poor signal).

CONNECTING OTHER EQUIPMENT

Video Multi Terminal:

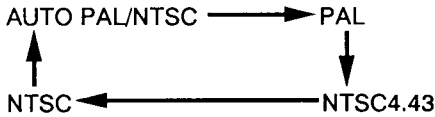
The AV input terminal of this TV set enables playback for VCRs and video disc players which employ the PAL system, NAP system (PAL-60Hz), NTSC system and NTSC4.43 system.

- Connect the video and audio outputs of a VCR, video disc player, etc. to the input jack of this TV set. Tapes and discs can be played back.
- To watch the input picture, press TV/VIDEO Selector ⑥ .



- If necessary, press Colour System Selector ⑳ to select the colour system to match the appropriate AV appliance.

In the AV mode, each time Colour System Selector ⑳ is pressed, the colour system changes as follows:



Note: When NAP system (PAL 60Hz) AV appliance is used, set the colour system to PAL position.

- To adjust tint: (NTSC and NTSC4.43 system only.)

Press (TINT) button.

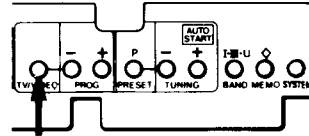


Press ▲ or ▼ volume button ④ .

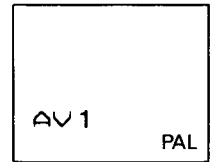
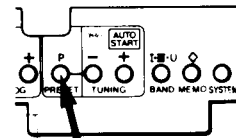
- To return to the TV mode, press TV/VIDEO Selector ⑥ again.

Use the following steps to memorize the colour system to be used in the AV position.

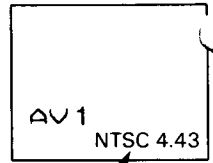
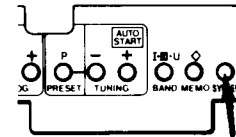
1. Select AV1 or AV2 position by pressing TV/VIDEO Selector ⑥.



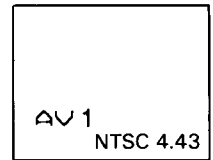
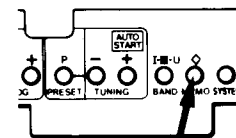
2. Press PRESET ⑧ button.



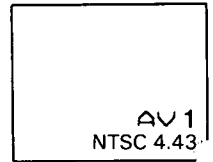
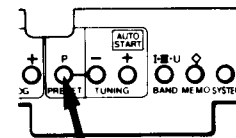
3. Press Colour System Selector ⑳ to select the desired colour system.



4. Press (Memory) button ⑦.



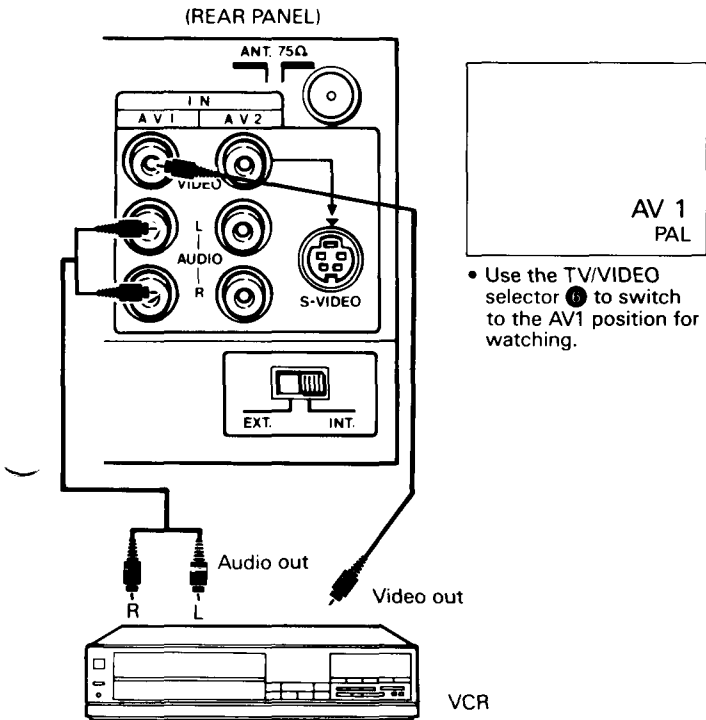
5. Press PRESET ⑧ or / S (Recall) ⑨ button.



(CONNECTING OTHER EQUIPMENT)

■ Connecting to the AV1 Input Jack

Connect to the video and audio outputs of a VCR, video disc player, etc. Tapes and discs can be played back.



If the audio signal from the VCR is stereo, be sure to connect the right and left channels to the respective right and left Audio-in terminals.

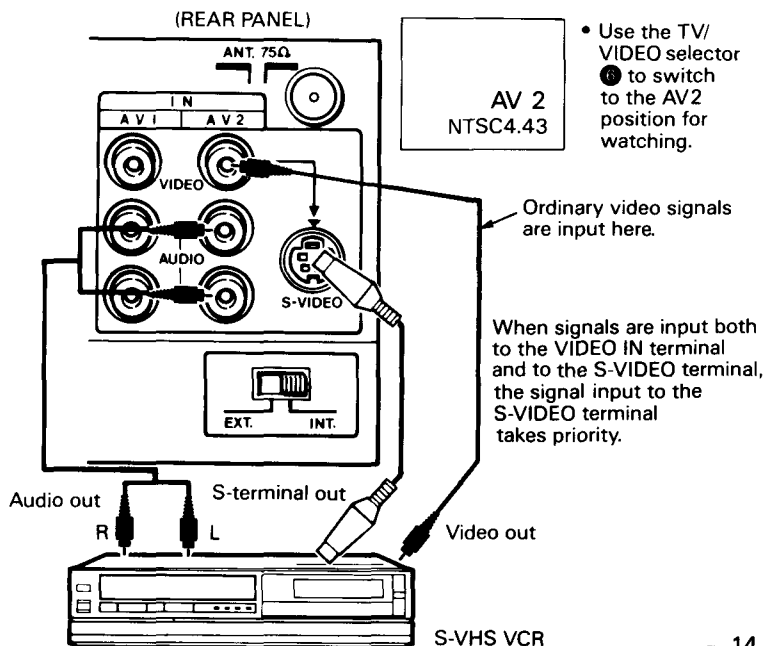
If the external audio signal is a monaural one, connect it to the left terminal of Audio-in. Then select the monaural mode and the audio channel in the TV set with the remote control Stereo/Mono button or Bilingual A/B button.

■ S-VHS VCR Connections. (AV2 Input)

S-VHS VCR is designed with a highly advanced techniques.

So the visual quality of S-VHS VCR is better than the other popular VHS VCR.

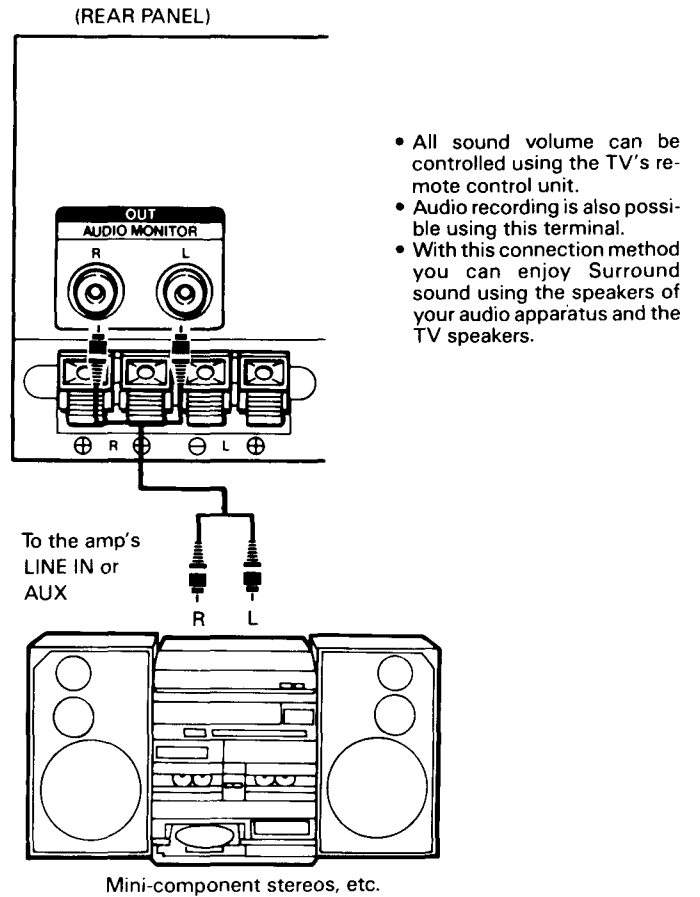
S-VHS VCR can be enjoyed by using S-terminal.



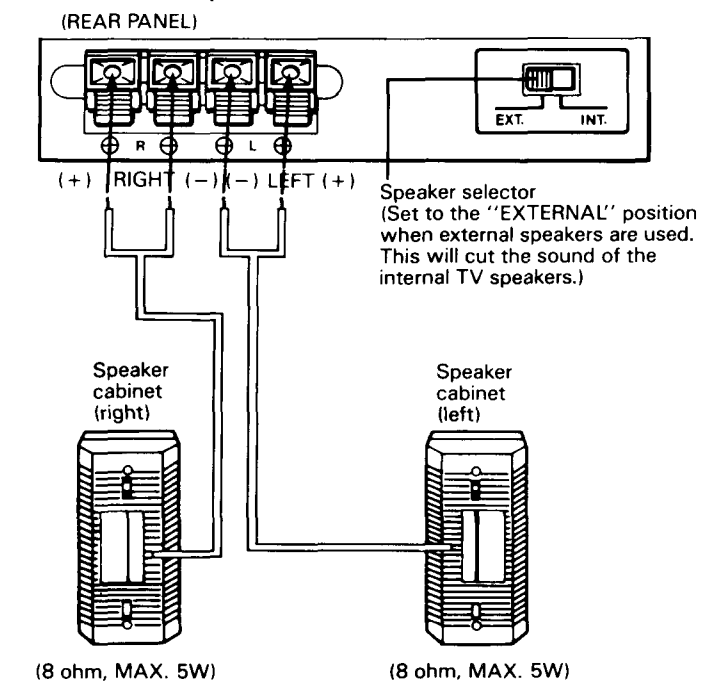
■ Audio Monitor Out Connection

More powerful sound can be enjoyed by using your audio apparatus.

Connect the audio signal source from audio-monitor-out terminal to the LINE-IN or AUX terminal of the audio apparatus.



■ External Speaker Connection



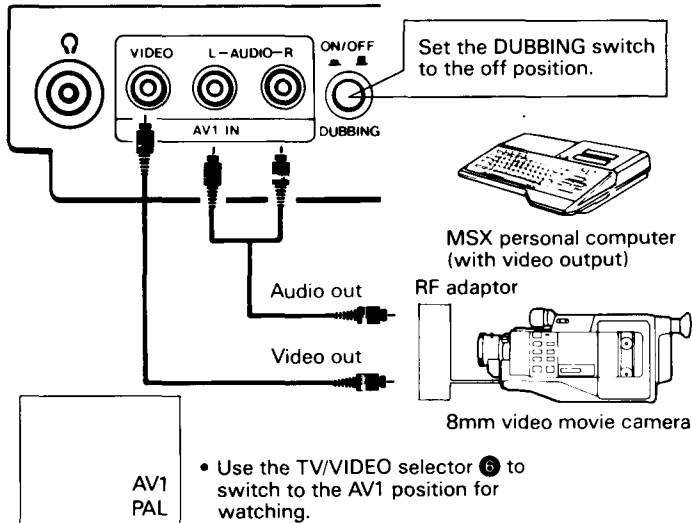
• You can also enjoy Surround sound through connected external speakers.

(CONNECTING OTHER EQUIPMENT)

■ Connecting to the Front Panel AV1 Input Jack

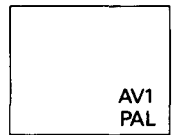
It is convenient to use the AV1 input jack on the front panel for equipment that is often connected and disconnected.

(TV front panel terminals)



- Use the TV/VIDEO selector ⑥ to switch to the AV1 position for watching.

- The image can be monitored on the TV screen as soon as dubbing begins. Use the TV/VIDEO selector ⑥ to switch to the AV1 position for watching. Adjustments to the TV picture or sound volume will have no effect on the dubbing operation.

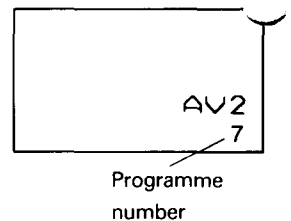


Note: When using this connection method for dubbing, you must also set the DUBBING switch to the ON position to watch the playback of a VCR which is connected to the front panel AV1 input jack.

■ In the AV mode, you can select the TV programme.

- For example, to select the programme position "7" in the AV mode (while watching the playback from a VCR):

- 1 Press "7" button of the programme selector ②-1.



- 2 Press TV/VIDEO Selector ⑥, and the picture of the programme position "7" will appear.

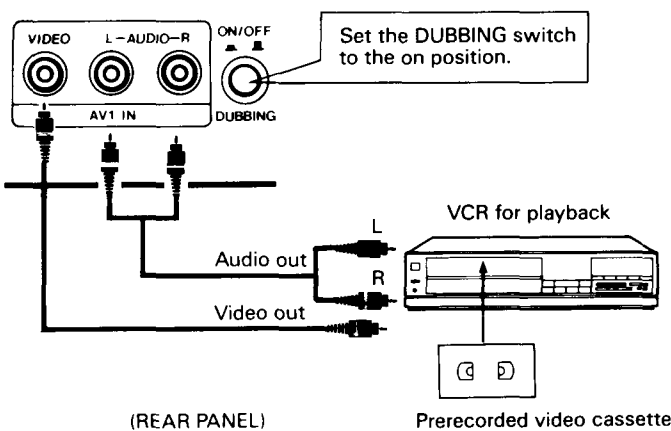


■ Video Dubbing

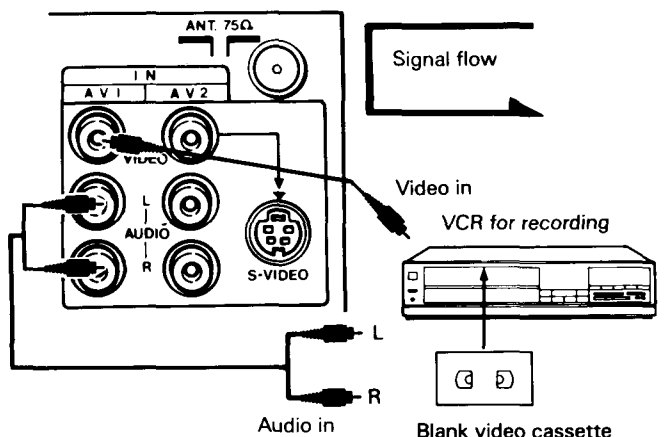
The AV1 input jack on the front panel is bridged with AV1 input jack on the rear panel, so you can connect two VCRs, one to the front panel and one to the rear panel, and dub tapes while monitoring them on the TV screen.

Note: Dubbing can be done without turning on the TV power.

(TV front panel terminals)



(REAR PANEL)

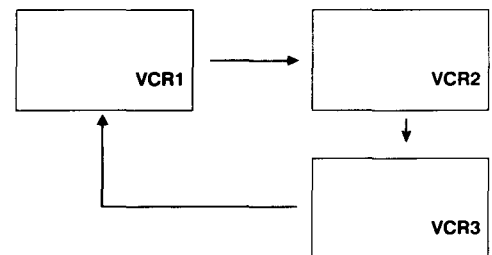


■ AV Connection to the Aerial Socket

Important Note: In this connection, it can be used for AV apparatus which employs the PAL system only.

- The A.V. apparatus can also be connected to the aerial socket of your TV receiver. In this case, it is advisable to select the "VCR1", "VCR2" or "VCR3" position for the best picture by pressing "0" key of the programme selector.

Each time "0" key is pressed, VCR Position changes as follows:



Note: VCR Position is specially designed for the playback of the AV equipments. The picture of the VCR playback may be distorted in other position.

- For further details concerning this connection and adjustment, refer to the operating instructions for the AV equipment.

Specifications

Power source	AC 220-240 Volts, 50 Hz
Television system	B/G
Colour system	PAL (AV input: PAL/NTSC/NTSC4.43)
Channel coverage	VHF: E2 – E12 (Model CAP3310TXN) 1 – 11 (Model CZP3310TX) UHF: 21 – 69
Aerial input impedance	75 ohms
Picture Tube	83cm diagonal, 110 degree deflection
Speakers	Mains Speaker (8 × 16cm) × 2 Surround Speaker(φ 10cm) × 2
Audio output (Peak music power output) Ext: terminals	Mains Speaker: 7.5W × 2 Surround Speaker: 2.5W × 2 Video input: • Phono jack × 3 (1.0 Vp-p, 75 ohm) • S-terminal × 1 (DIN 4-pin, separate Y/C signal input) Audio input: • Phono jack (R/L) × 3 (436 mVrms, more than 40K ohm) Audio output (Audio Monitor Out): • Phono jack (R/L) × 1 (436 mVrms, less than 600 ohm) External speaker terminals • 8 ohm, Output max. 5W
Dimensions	769(W) × 699(H) × 542(D) mm
Weight	approx. 58Kg
Country of Origin	Made in Japan

Specifications subject to change without notice.

Part No. 4AA6P100663 – E4GC1 (A4-A)

SANYO

SANYO Electric Co., Ltd.