

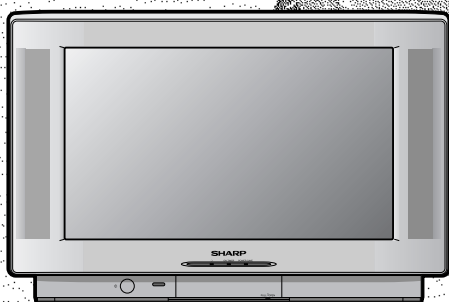
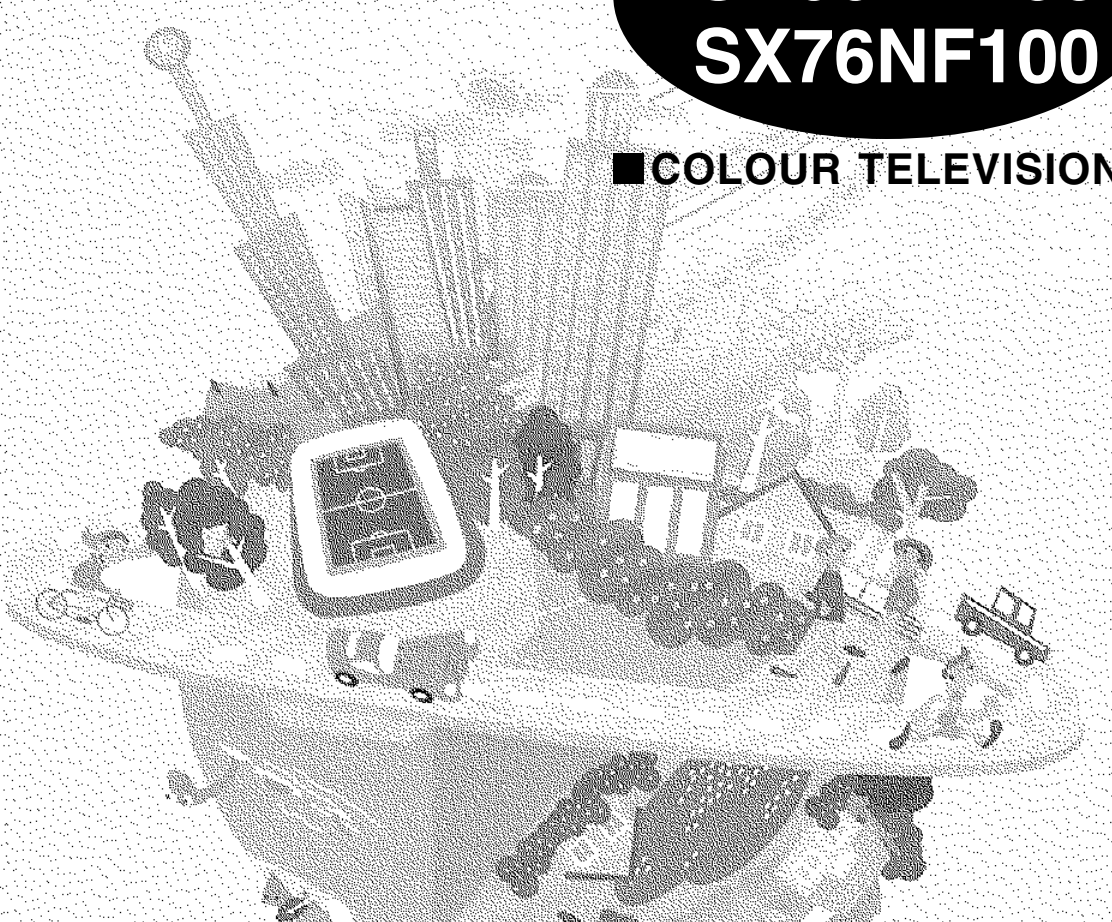
SHARP®

OPERATION MANUAL

MODEL

SX66NF100 SX76NF100

■ COLOUR TELEVISION ■



(SX66NF100)



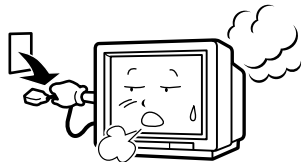
(SX76NF100)

Please read this operation manual carefully before using the colour television.



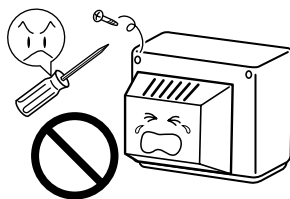
Safety precautions

Damage



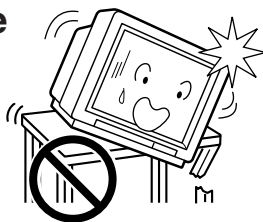
Turn off the power and unplug the power cord from the wall outlet immediately if the TV set begins to make any unusual noises or gives off smoke or an unusual smell. Then call your dealer for service.

Servicing



To reduce the risk of electric shock, do not remove the back of the cabinet. This TV set contains dangerous voltage.

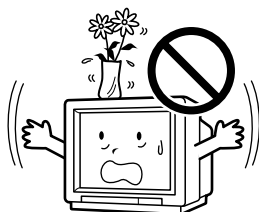
Unstable surface and shocks



Do not place this TV set on an unstable cart, stand, shelf, or table. The TV set may fall, causing serious injury to a child or adult, and serious damage to the set.

Sharp recommends securing the TV set to a stable surface or wall to prevent the set from falling due to sudden shocks or impact.

Liquid entry



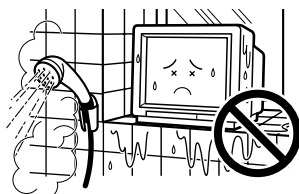
Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilled on the TV set can cause electrical shock or failure.

Object entry



Never insert or drop any metallic or inflammable objects into the ventilation openings of the TV set, as this can cause fire, electrical shock, or electrical failure.

Water



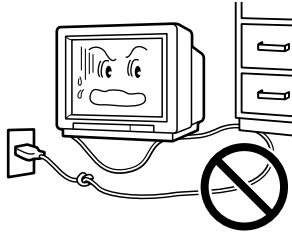
To prevent fire or electrical shock, do not place the TV set near a bathroom, swimming pool or other area where it may become wet.

Moisture



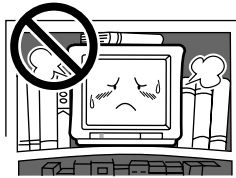
To prevent electrical shock, do not use the TV set in an excessively damp place.

Power cord protection



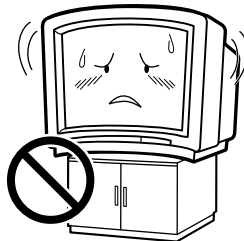
To prevent electrical shock, do not subject the AC power cord to damage by bending or twisting it, or by placing heavy items on top of it and do not place the AC power cord under the TV set. If the AC power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.

Ventilation



Do not place this TV set in a confined area, such as on a bookshelf or in a built-in case. Leave adequate space behind the TV for proper ventilation.

TV set position

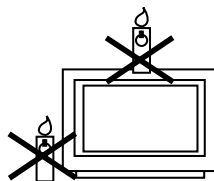


Do place the TV set onto an even stand, table or track which size is bigger than the TV set.

If the TV set is put onto a smaller size or uneven stand, table or track may cause the TV cabinet distort.

Do not put or insert anything between TV set and the stand, table or track.

Fire prevention












To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

TV set and cart combination



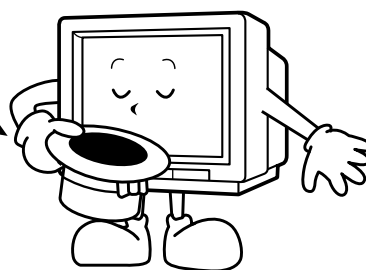
Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.

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Dear SHARP Customer

Thank you for buying SHARP's Colour Television. We hope you will have many years of enjoyment from this television set. To ensure proper operation, please read this manual carefully, and keep it in a safe place for future reference.

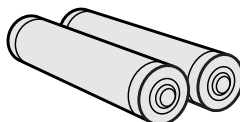


Accessories

The following accessories are included with this television.



Remote control



Size-AA batteries




Operation manual

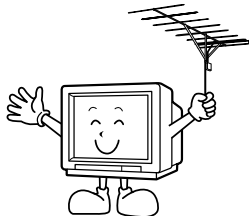


Easy setup

To use your TV set, perform the easy setup procedure below.

The  mark indicates the page number with more detailed information.

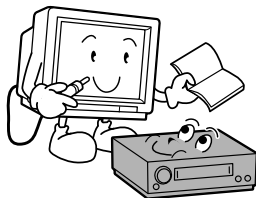
1



Connect the antenna.

- See **11** to connect the antenna.

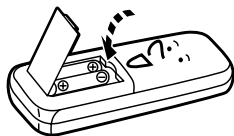
2



Connect any video equipment.

- See **40**, **41** to connect video equipment.
- See the operation manual of your video equipment when connecting it to the TV set.

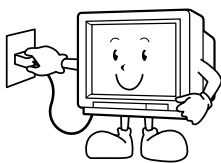
3



Insert the batteries into the remote control.

- Use the two batteries included with the TV.
- See **7**.

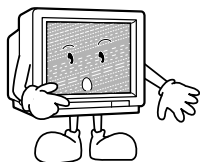
4



Insert the AC plug to the power outlet.

- If you will not use the TV set for a considerable length of time, as a safety precaution, unplug the cord from the outlet.

5




Tune the channels.

- Use the buttons on the TV.
- See **18**, **19**.

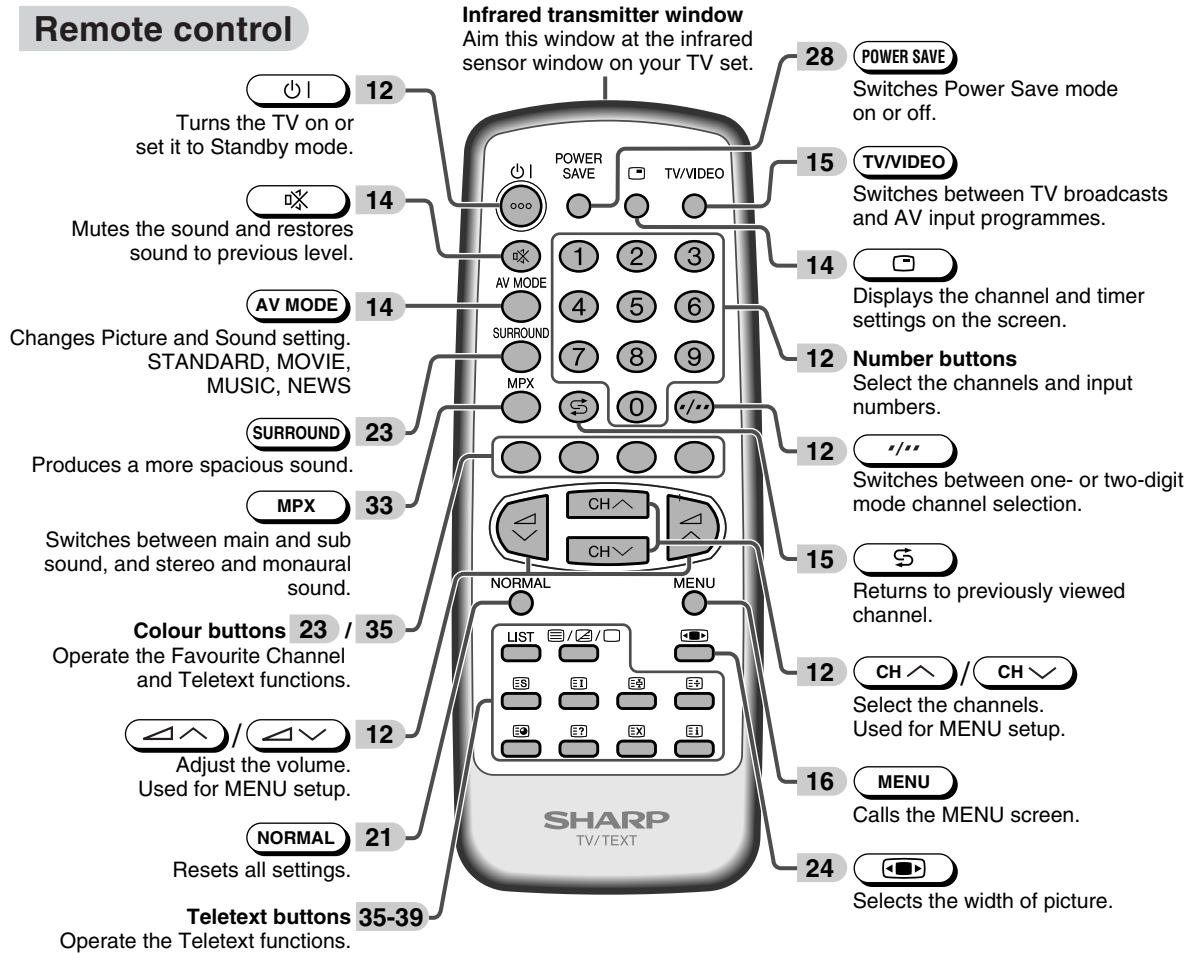
6



Part names

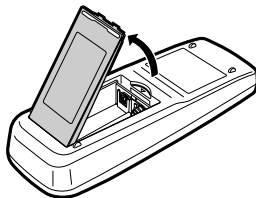
The  mark indicates the page number with more detailed information.

Remote control

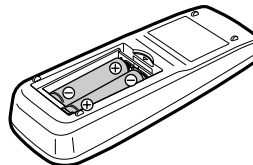


Installing batteries in the remote control unit

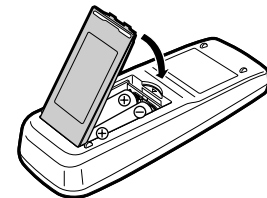
1 With your thumbnail, pull up at the slit to open the battery cover.



2 Insert two batteries (size AA).



3 Replace the battery cover.

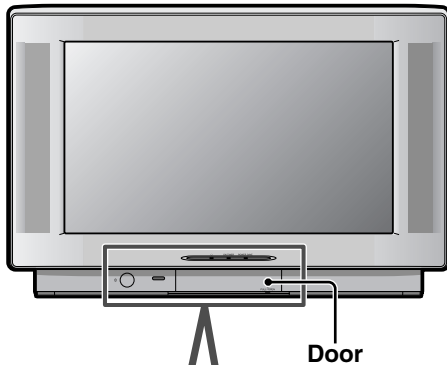


- NOTE**
- Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the compartment.
 - Remove the batteries if weak or if the unit is not in use for long periods.
 - Do not mix old and new batteries.
 - Incorrect installation of the batteries may damage the remote control.

Part names

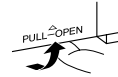
TV Set

SX66NF100



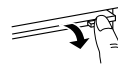
To open the door

Using the projection located under the "PULL-OPEN" indication, pull and lift the door open.



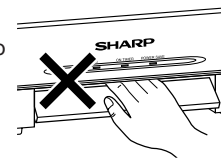
To close the door

Using the projection, lower the door until closed.

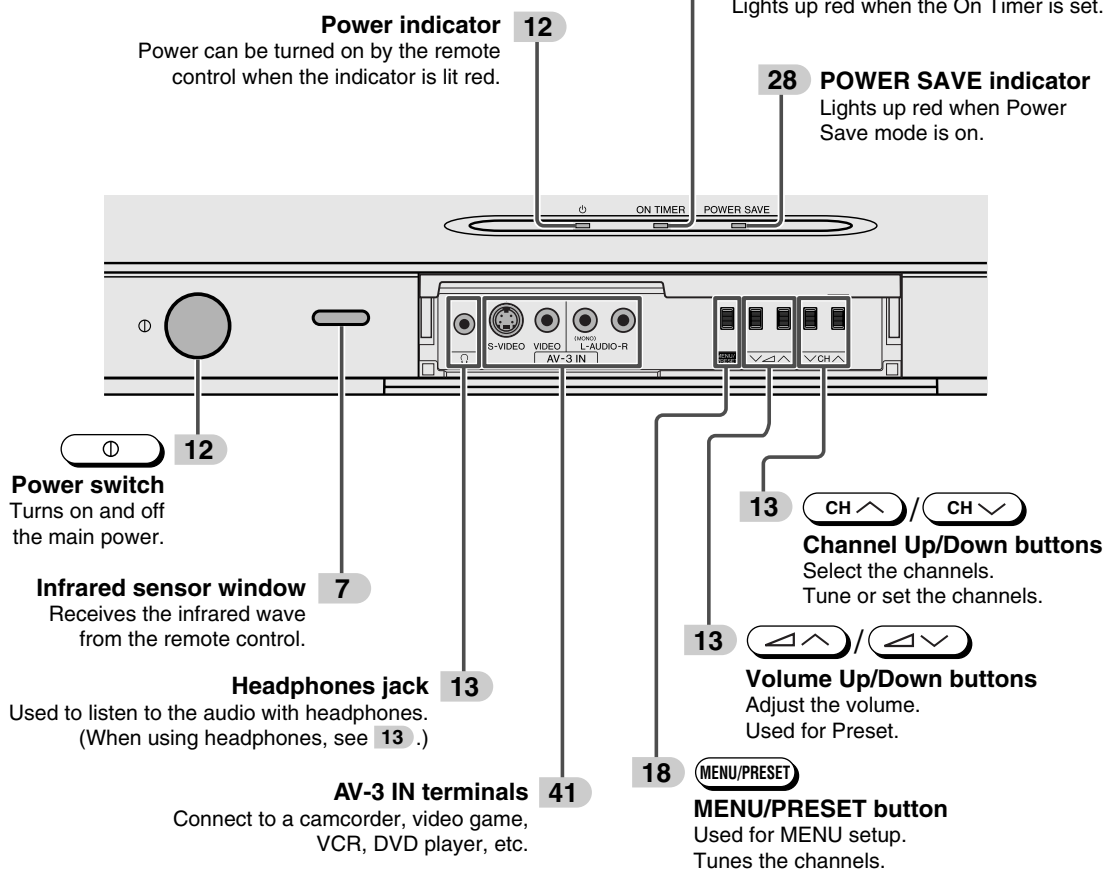



Caution:

- When opening or closing the door, do not insert your fingers into the gap between the door and front panel. This may result in an injury.



Bottom



NOTE • Minimal electric power remains consumed even after the main power is turned off with  on the TV set.

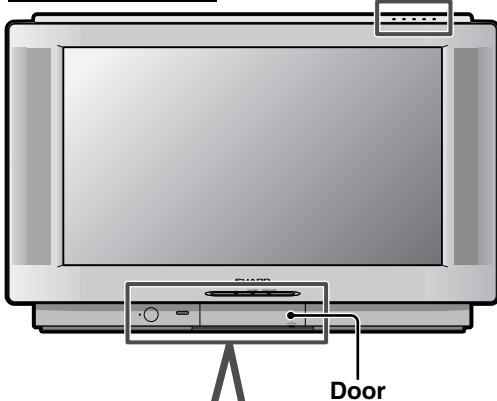
Top

MENU/PRESET button 18
Used for MENU setup.
Tunes the channels.

Volume Up/Down buttons 13
Adjust the volume.
Used for Preset.

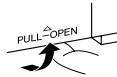
Channel Up/Down buttons 13
Select the channels.
Tune or set the channels.

SX76NF100



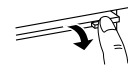
To open the door

Using the projection located under the "PULL-OPEN" indication, pull and lift the door open.



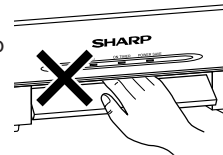
To close the door

Using the projection, lower the door until closed.



Caution:

- When opening or closing the door, do not insert your fingers into the gap between the door and front panel. This may result in an injury.



Bottom

Power indicator 12
Power can be turned on by the remote control when the indicator is lit red.

ON TIMER indicator 31
Lights up red when the On Timer is set.


POWER SAVE indicator 28
Lights up red when Power Save mode is on.

Power switch 12
Turns on and off the main power.

Infrared sensor window 7
Receives the infrared wave from the remote control.

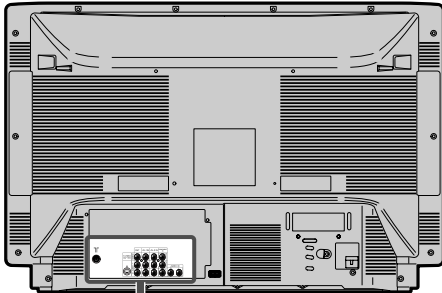
Headphones jack 13
Used to listen to the audio with headphones.
(When using headphones, see 13.)

AV-3 IN terminals 41
Connect to a camcorder, video game, VCR, DVD player, etc.

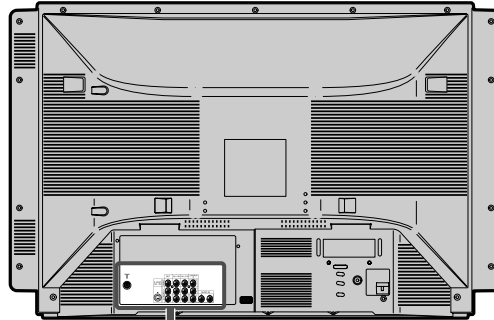
NOTE • Minimal electric power remains consumed even after the main power is turned off with  on the TV set.

Part names

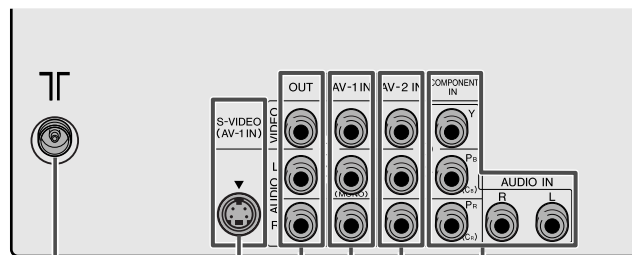
SX66NF100



SX76NF100



Rear terminals



Antenna In terminal 11
Connects to an antenna.

S-VIDEO (AV-1 IN) terminal 41
Connects to a VCR, etc.

VIDEO/AUDIO (L/R) OUT terminals 41
Connect to a VCR, etc.

41 AV-1 IN VIDEO/AUDIO (L/R) terminals
Connect to a VCR, etc.

41 AV-2 IN VIDEO/AUDIO (L/R) terminals
Connect to a VCR, etc.


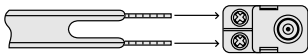
40 COMPONENT IN/AUDIO IN terminals
Connect to a DVD player, etc.

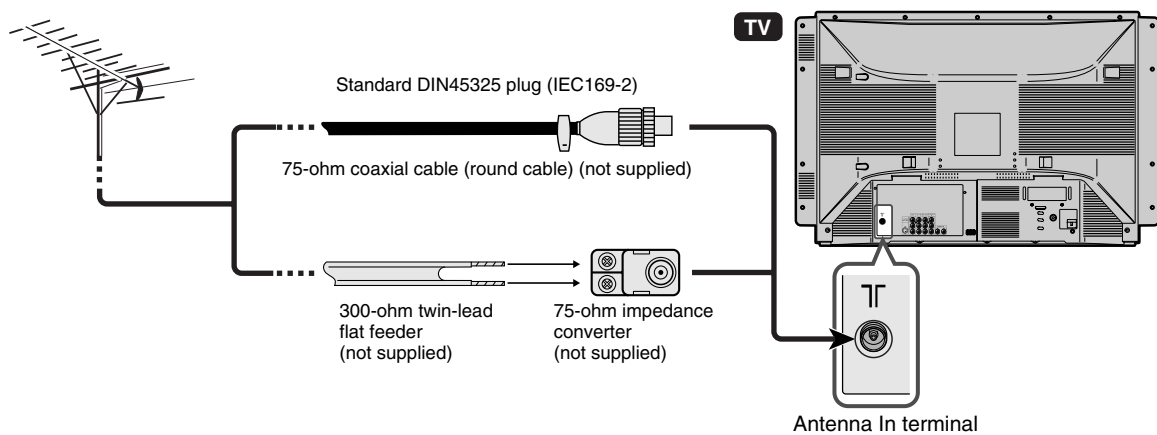


Antenna connections

Connecting to an antenna

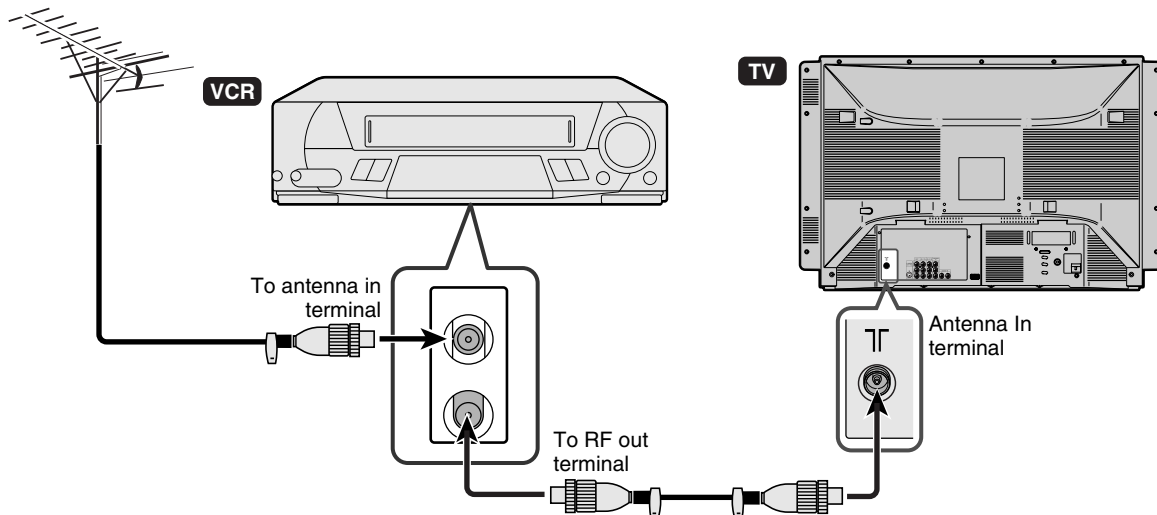
To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial and feeder cables.

	If your outdoor antenna uses a 75-ohm coaxial cable with a standard DIN45325 plug (IEC 169-2), plug it into the Antenna In terminal at the rear of the TV set.
	If your outdoor antenna uses a 300-ohm twin-lead flat feeder, connect a 300-ohm to 75-ohm impedance converter and plug it into the Antenna In terminal at the rear of the TV set.



Connecting to an antenna via a VCR

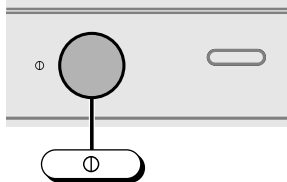
You can also connect the TV set to the tuner on a VCR using the connection shown below.



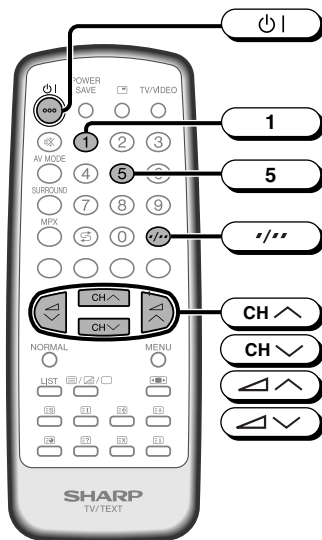
- NOTE**
- Remove the power cord from the power outlet before connecting the antenna to the TV set.
 - When using the RF terminal connection, set the TV to channel zero to make initial adjustments for the VCR.
 - Turn off the power on the TV set and the VCR being connected before making the above connections.
 - Be sure the cord plugs are fully inserted in the connection terminals.
 - See the operation manual of your VCR for connection details.

Watching TV

TV Set (Bottom)



Remote Control



Watching a TV programme

Simple operations for watching a TV programme

1 Turn on power.

- When the Power indicator (see **8** and **9**) is off, press **⏻**.
- When the Power indicator lights up red, press **⏻** on the remote control. The Power indicator changes to green and a picture appears.

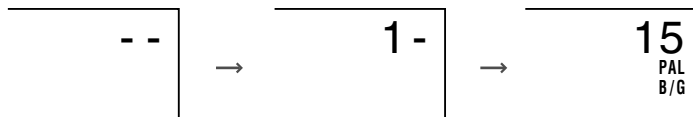
2 Select channel.

With **CH \uparrow** / **CH \downarrow** (on remote control)

- Press **CH \uparrow** , and channels change as shown below.
1 → 2 → ... → 98 → 99 → 0 → 1 → 2 ...
- Press **CH \downarrow** , and channels change as shown below.
1 → 0 → 99 → 98 → ... → 2 → 1 → 0 ...

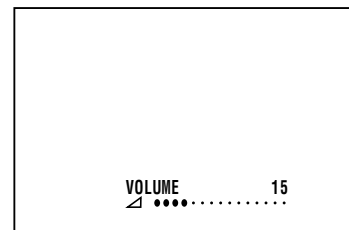
With the number buttons (on remote control)

- To select a one-digit channel, such as 5, press **5**.
If "5-" is indicated, press ***/**** to select one-digit input, and then press **5** again.
- To select a two-digit channel, such as 15, press ***/**** to select two-digit input. Press **1**, and then press **5**.



3 Adjust volume using **⏮** / **⏭**.

- The number of oval blocks "■" indicates the volume level. The volume bar disappears approximately three seconds after the volume has been adjusted.

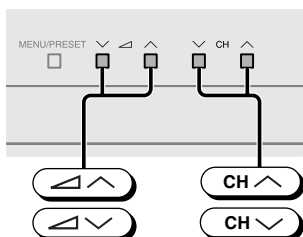


- NOTE**
- When the Power indicator lights up red, either **CH \uparrow** / **CH \downarrow** on the TV can be pressed to turn on the power.
 - The channel number is displayed in green for channels tuned by Auto Tuning and displayed in yellow for channels tuned using Fine Tuning.
 - When the Power indicator lights up red, the TV is in Standby mode and power is still supplied to the TV. If you will not watch TV for a while, turn off the main power by pressing **⏻** on the TV set. Also, if you will not be at home for a considerable length of time, unplug the cord from the power outlet.
 - The AV1 (or SAV1), AV2, AV3 (or SAV3) or COMPONENT input channels cannot be selected using **CH \uparrow** / **CH \downarrow** on the remote control. Use **TV/VIDEO** to select these channels.
 - Channels that have been skipped cannot be selected. See **20**.
 - The TV set and remote control illustrations and the on-screen displays in this manual may differ from their actual appearance.
 - The TV set illustrations on this page and after are those of SX76NF100.

Operating the TV buttons

Simple operation of the TV set

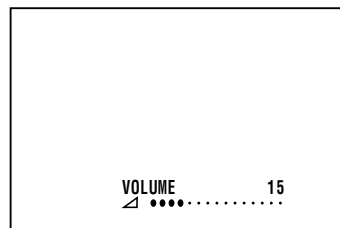
TV Set (Top)



Using  / 

Press  to increase volume.


Press  to decrease volume.



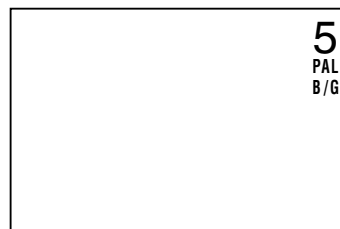
Using  / 

Press , and channels change as shown below.

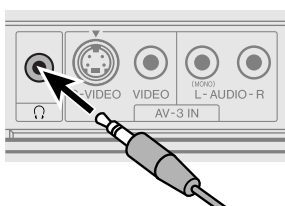
1 → 2 → ... → 98 → 99 → AV1 (or SAV1) → AV2 → AV3 (or SAV3) → COMPONENT → 0 → 1 → 2 ...

Press , and channels change as shown below.

1 → 0 → COMPONENT → AV3 (or SAV3) → AV2 → AV1 (or SAV1) → 99 → 98 → ... → 2 → 1 → 0 ...



Behind the door



Using headphones

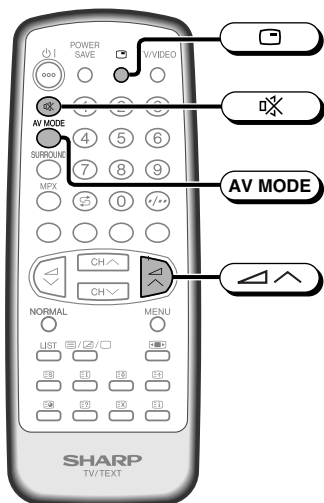
Insert headphones plug into Headphones jack (🔊) to listen to audio with headphones.

- The audio from the speakers is turned off.
- See **29** for headphones volume adjustment.

NOTE

- Select an appropriate volume so as not to injure your hearing.
- To avoid injuring your hearing, do not put on the headphones before plugging them into the Headphones jack and before the power is turned on.
- The proper impedance for the headphones is 32 ohms.
- Remove the headphones plug from the Headphones jack when not using the headphones.

Useful features

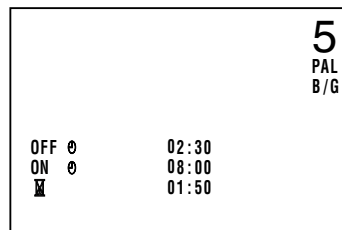


Channel/Timer display

Displays the current channel number, the timer, and other settings on the screen.

1 Press .

- The time remaining on the Off Timer, On Timer, Reminder, and the channel number and colour/sound system indications appear on the screen.
- When no timer is set, the channel number and colour/sound system indications appear on the screen. Press again to turn off these indications.



2 Press again.

- The timer displays disappear.



3 Press once again.

- The channel number and colour/sound system indications disappear.

Mute

Silences the sound.

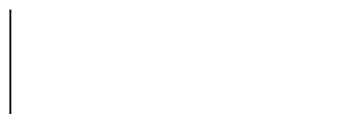
1 Press .

- "M" appears on the screen, and the sound is silenced.



2 Press again.

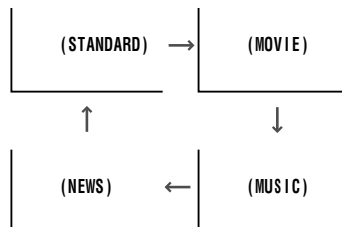
- The volume returns to its previous level.



AV mode selection

Each time you press , the mode switches between STANDARD, MOVIE, MUSIC and NEWS.

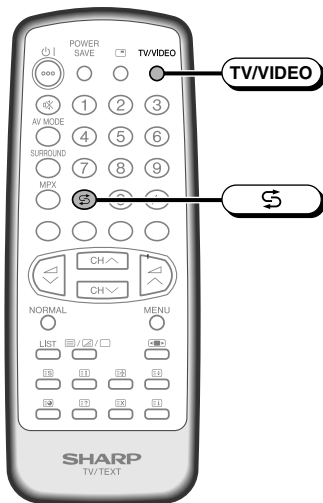
STANDARD: Normal mode
 MOVIE: Movie mode
 MUSIC: Music mode
 NEWS: News mode



- Picture and sound can be adjusted individually for each AV mode. See **21** and **22** for details.

Channel recall

Switches back to the channel you were watching just before the current channel.

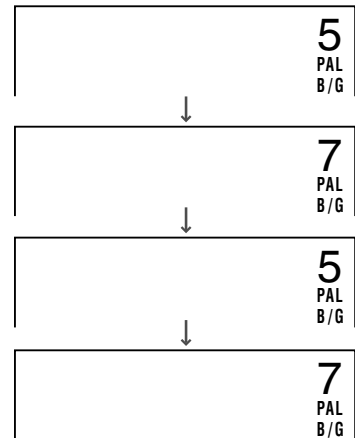


Press **($\$$)**.

- The channel previously viewed returns to the screen.

Example:

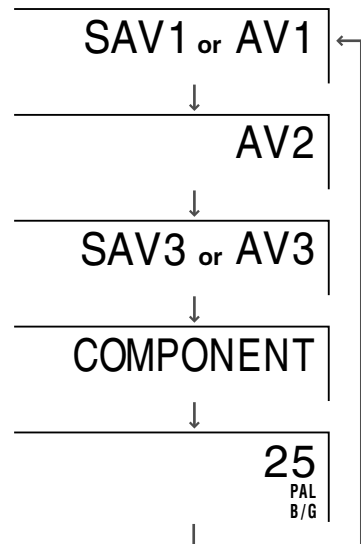
If, after switching from channel 5 to channel 7, **($\$$)** is pressed, the channel will change to channel 5. Press **($\$$)** again to return to channel 7.



TV/Video selection

Switches between TV broadcasts and AV input programmes.

Each time you press **(TV/VIDEO)**, the input switches between AV1 (or SAV1 when S-VIDEO terminal is used), AV2, AV3 (or SAV3 when S-VIDEO terminal is used), COMPONENT, and TV programme.

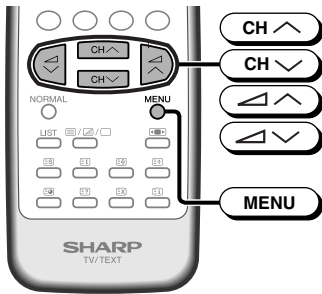




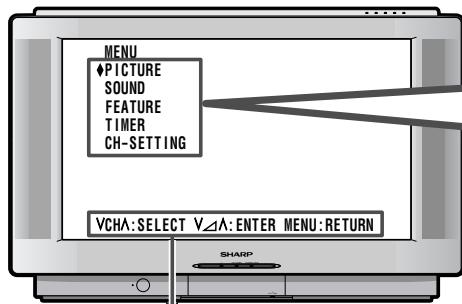
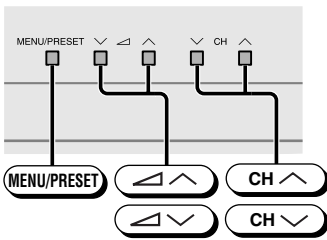
Selecting menu items

This TV set allows you to adjust the picture and sound, and set the channels and other features using the on-screen display with the remote control or from the TV set. Select the desired menu item by following the steps below and then refer to the indicated pages for details.

Remote control



TV Set (Top)



Operation guide

Selecting a menu item

1 Press **MENU** / **MENU/PRESET** to call MENU screen.

MENU	
◆ PICTURE	
SOUND	
FEATURE	
TIMER	
CH-SETTING	

2 Press **CH ^** / **CH v** to select desired menu item.
• The selected item is highlighted in yellow.

MENU	
◆ PICTURE	
◆ SOUND	
FEATURE	
TIMER	
CH-SETTING	

3 Press **ENTER** / **ENTER** to enter.
• The corresponding menu screen will appear.

SOUND		(STANDARD)
◆ TREBLE	0	
BASS	0	
SUPER BASS	OFF	
SURROUND	OFF	
LEVEL		
BALANCE	0	

PICTURE menu..... 21 PICTURE (STANDARD) ◆ CONTRAST 50 COLOUR 0 BRIGHTNESS 0 TINT 0 SHARPNESS 0 PICTURE NR LOW WHITE TEMP 0 VCHA: SELECT V Δ A: ADJUST MENU: RETURN	SOUND menu..... 22 SOUND (STANDARD) ◆ TREBLE 0 BASS 0 SUPER BASS OFF SURROUND OFF LEVEL BALANCE 0 VCHA: SELECT V Δ A: ADJUST MENU: RETURN
FEATURE menu..... 26 - 29 FEATURE ◆ BLUE BACK OFF AUTO SELECT ON SAVE OFF Q 20 ROTATION 0 VCHA: SELECT V Δ A: ADJUST MENU: RETURN	TIMER menu..... 30 - 32 TIMER ◆ OFF 0 ---: ON 0 ---: POSITION VOLUME ---: VCHA: SELECT V Δ A: ADJUST MENU: RETURN
CH-SETTING menu..... 20 CH-SETTING ◆ POSITION CH 1 COLOUR AUTO SOUND B/G SKIP OFF FINE 48.20MHz NICAM ON A2 ON VCHA: SELECT V Δ A: ADJUST MENU: RETURN	

- NOTE**
- If you press and hold down **MENU/PRESET** for more than two seconds, the Language Select screen will appear instead of the MENU screen. To display the MENU screen, press **MENU/PRESET** until the normal screen appears, then press the button again.
 - The procedures for setting and selecting the menu items on the following pages are described using the buttons on the remote control. These procedures can also be performed using the corresponding buttons on the TV set.

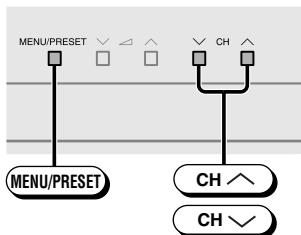


Settings and adjustments

On-screen display language selection

The on-screen display language can be set to English, Chinese, French, Russian, Malay or Arabic.

TV Set (Top)



TV set

1 Press and hold down **MENU/PRESET** for more than two seconds.

- The Language Select screen appears.



2 Press **CH up** / **CH down** to select desired language.

- Pressing **MENU/PRESET** changes the screen as shown below.

Language → AUTO → MANUAL

Normal screen ←



3 Press **MENU/PRESET** until normal screen appears.

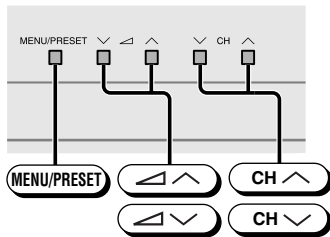
Settings and adjustments

Manual channel tuning

Enables manual channel tuning to a desired TV station. (e.g. tuning the TV to a VCR, tuning in an additional TV station.)

NOTE: This TV is already tuned into 2, 7, 9, 10 and 28.

TV Set (Top)



- 1** Press and hold down **MENU/PRESET** for more than two seconds.

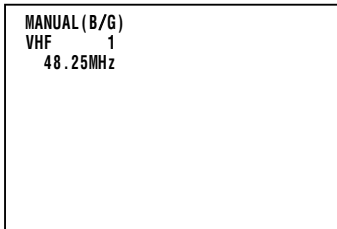
- The Language Select screen appears.



- 2** Press **MENU/PRESET** twice to display **MANUAL** mode screen.

- Pressing **MENU/PRESET** changes the screen as shown below.

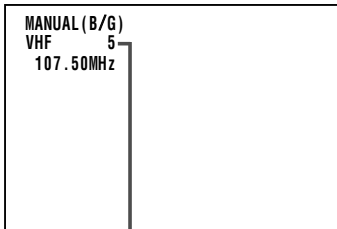
Language → AUTO → MANUAL
Normal screen ←



- 3** Press **CH UP** / **CH DOWN** on TV set or the number buttons on remote control to select channel position.

- 4** Press **CH UP** / **CH DOWN** on TV set to locate channel you wish to preset to current channel position.

- Search is initiated and when a TV signal is received during the search, the search stops.



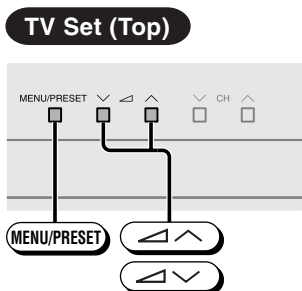
Channel position

- 5** Repeat steps 3 and 4 above to preset channel positions for other broadcasts.

- 6** Press **MENU/PRESET** again to return to normal screen.

Auto channel tuning

Automatically tunes in and presets receivable TV stations, using consecutive channel numbers (e.g. 2, 7, 9, 10 will be stored as 1, 2, 3, 4)



1 Press and hold down **MENU/PRESET** for more than two seconds.

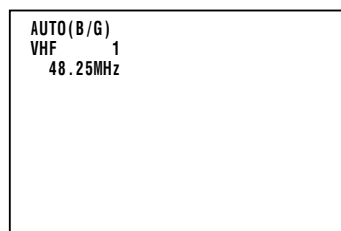
- The Language Select screen appears.



2 Press **MENU/PRESET** again to display AUTO mode screen.

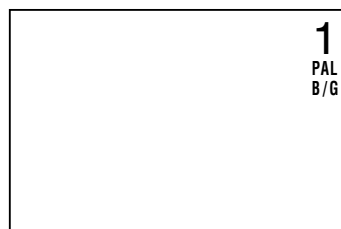
- Pressing **MENU/PRESET** changes the screen as shown below.

Language → AUTO → MANUAL
Normal screen ←



3 Press **UP** / **DOWN** on TV set.

- All the TV stations in your area that can be received by the TV set are automatically preset between channels 1 to 99.
- The screen shows whatever is on channel 1 when auto channel preset is finished.



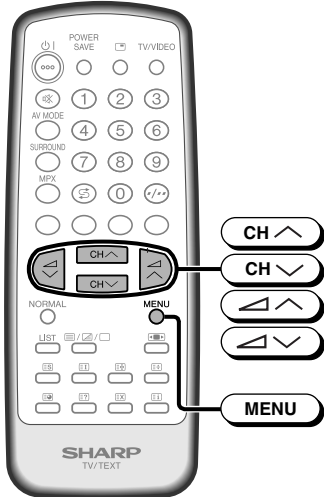
NOTE

- Auto Preset stores all receivable channels including those which may be very weak and not clearly visible. To preset only those channels designated for the local viewing region, use Manual Preset. See **18**.
- Unused channels are automatically skipped.

Settings and adjustments

Channel setting

Enables individual channel setting.



1 Press **MENU** to call MENU screen.

MENU
PICTURE
SOUND
FEATURE
TIMER
◆CH-SETTING

2 Press **CH ^** / **CH v** to select "CH-SETTING".

3 Press **▲** / **▼** to display CH-SETTING menu.

CH-SETTING	
◆POSITION	CH 27
COLOUR	AUTO
SOUND	B/G
SKIP	OFF
FINE	168.25MHz
NICAM	ON
A2	ON

4 Press **CH ^** / **CH v** to select desired item.

5 Each time you press **▲** / **▼**, setting for individual items changes as follows:

- **POSITION:**
The channel position changes to the next higher or lower number.
- **COLOUR:** ↔ ↔ ↔ ↔
- **SOUND:** ↔ ↔ ↔
- **SKIP:** ON ↔ OFF
Channel numbers with a "●" mark on the left are set to SKIP. To turn off SKIP, press the number buttons to select the desired channel and then set SKIP to "OFF".
- **FINE:** The frequency changes to allow fine tuning.
- **NICAM:** ON ↔ OFF
Select "ON" to receive NICAM stereo or bilingual sound signals. (See **33** for sound mode selection.) Select "OFF" to receive NICAM mono signals.
- **A2:** ON ↔ OFF
Select "ON" to receive A2 stereo or bilingual sound signals. (See **34** for sound mode selection.) Select "OFF" to receive mono signals.

6 Press **MENU** until normal screen appears.

CH-SETTING	
◆POSITION	AV1
COLOUR	AUTO

- When you select AV1, AV2 or AV3 for the channel position, the CH-SETTING menu changes as shown above and the colour mode changes in the following order:

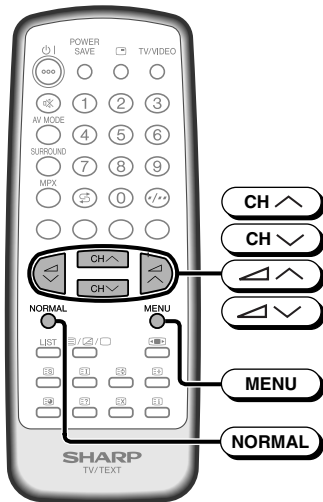
↔ ↔ ↔ ↔

NOTE

- Switching COLOUR system:
Set the system to "AUTO" for normal TV reception. The AUTO mode automatically detects the received signal system and changes the reception system of the TV set. When the picture is not stable, switching to an appropriate system may improve the picture quality.
- In a weak reception area, or under bad reception conditions, you can change the frequency by Fine Tuning.
- When using Fine Tuning (FINE), the channel number changes from green to yellow.
- To return the channel to its original frequency setting, follow the manual channel tuning procedure. See **18**.

Picture adjustment

Adjustable individually for each AV mode



1 Press **MENU** to call MENU screen.

2 Press **CH ▲** / **CH ▼** to select "PICTURE".

3 Press **▲** / **▼** to display PICTURE menu.

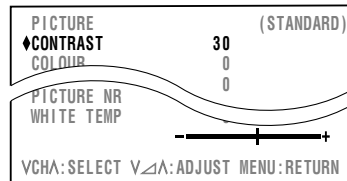
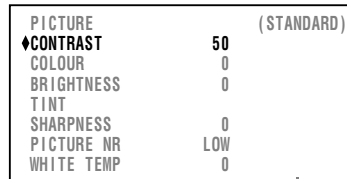
4 Press **CH ▲** / **CH ▼** to select adjustment items.

5 Adjust using **▲** / **▼**.

6 Repeat steps 4 and 5 above to adjust other items.

7 Press **MENU** until normal screen appears.

- When **NORMAL** is pressed while the PICTURE menu is displayed, the setting for the selected item is reset to the standard (factory setting) position.
- When **NORMAL** is pressed while the MENU screen is displayed and "PICTURE" is selected, all the settings for the PICTURE items are reset to the standard (factory setting) position.



The following table lists the adjustment items shown in the PICTURE menu and how they change as you press **▲** / **▼**.

Selected item	Press ▼	Press ▲
CONTRAST	To decrease contrast ← — + →	To increase contrast ← — + →
COLOUR	For less colour intensity ← — + →	For more colour intensity ← — + →
BRIGHTNESS	For less brightness ← — + →	For more brightness ← — + →
TINT *-1	To move tint toward purple ● — ○	To move tint toward green ● — ○
SHARPNESS	For less sharpness ← — + →	For more sharpness ← — + →
PICTURE NR*-2	→ OFF ↔ LOW ↔ MID ↔ HIGH ← (See note below)	
WHITE TEMP	To more reddish background ● — ○	To more bluish background ● — ○

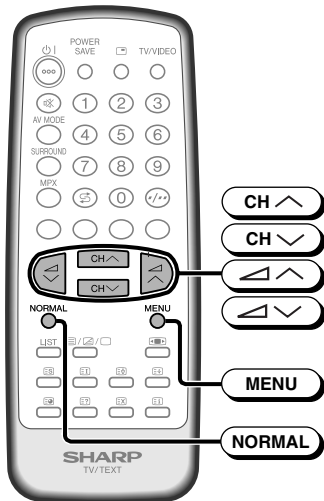
*-1: TINT can only be selected and adjusted when receiving an NTSC signal.

*-2: Picture Noise Reduction

Noise might be generated on images when playing deteriorated video tapes or when receiving broadcasts with relatively weak signals. In these cases, set PICTURE NR to "LOW, MID or HIGH" to reduce the noise. However, when receiving good images without noise, you can get better image quality by turning OFF this feature.

Settings and adjustments

Sound adjustment Adjustable individually for each AV mode



1 Press **MENU** to call MENU screen.

```
MENU
PICTURE
♦SOUND
FEATURE
TIMER
CH-SETTING
```

2 Press **CH ^** / **CH v** to select "SOUND".

3 Press **↔** / **↔** to display SOUND menu.

```
SOUND (STANDARD)
♦TREBLE 0
BASS 0
SUPER BASS OFF
SURROUND OFF
LEVEL
BALANCE 0
```

4 Press **CH ^** / **CH v** to select adjustment items.

5 Adjust using **↔** / **↔**.

```
SOUND (STANDARD)
♦TREBLE +10
BASS 0
BALANCE OFF
OFF
VCHA:SELECT V↔A:ADJUST MENU:RETURN
```

6 Repeat steps 4 and 5 above to adjust other items.

7 Press **MENU** until normal screen appears.

- When **NORMAL** is pressed while the SOUND menu is displayed, the setting for the selected item is reset to the standard (factory setting) position.
- When **NORMAL** is pressed while the MENU screen is displayed and "SOUND" is selected, all the settings for the SOUND items are reset to the standard (factory setting) position.

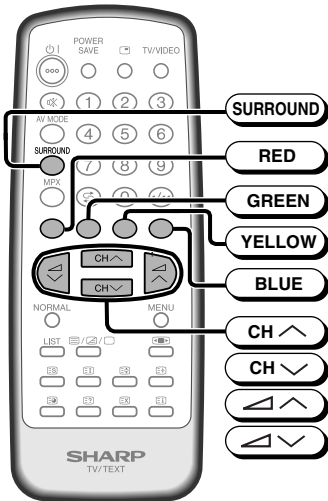
The following table lists the adjustment items shown in the SOUND menu and how they change as you press **↔** / **↔**.

Selected item	Press ↔	Press ↔
TREBLE	To decrease treble ← — — →	To increase treble ← — — →
BASS	To decrease bass ← — — →	To increase bass ← — — →
SUPER BASS	→ OFF ↔ MEDIUM ↔ STRONG ←	
SURROUND	The surround effect is ON. ON ↔ OFF	The surround effect is OFF.
LEVEL*	To decrease surround effect level ← — — →	To increase surround effect level ← — — →
BALANCE	To shift balance toward left ◁ — — ▷	To shift balance toward right ← — — →

* LEVEL can only be selected and adjusted when SURROUND is set to "ON".

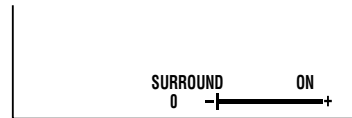
Surround sound

Produces a virtual surround sound from the TV's speakers.



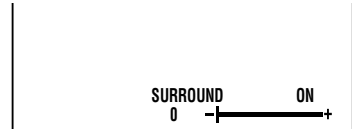
Each time you press **SURROUND**, the mode toggles between ON and OFF.

OFF: Produces normal sound.
ON: Produces surround sound.



Surround effect level adjustment

1 Press **SURROUND** until the **SURROUND ON** mode screen is displayed.



2 Press **CH up** / **CH down** to adjust the surround effect level.



Favourite channels

The colour buttons can be used to select up to four user-registered channels.

1 Press **CH up** / **CH down** to select your favourite channel. (E.g. Channel 12)

2 Press **RED**, for example, until channel number display turns white.

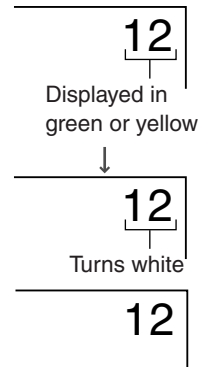
- The display will disappear after three seconds, and the selected channel is then preset.

3 To watch favourite channel, press **RED**.

- The preset favourite channel will be displayed. (E.g. Channel 12)

4 To preset another favourite channel, repeat steps 1 and 2 above.

- To change a preset favourite channel, repeat steps 1 and 2 above.




NOTE • Surround Sound only works when a stereo signal is being received.

Settings and adjustments

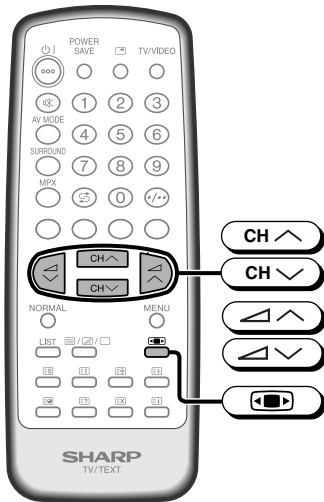
Wide mode

Selects the width of the picture.

Wide mode selection

Each time you press , the width of the picture changes as shown below. (See page 25.)

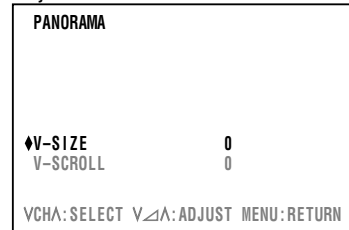
→ PANORAMA → FULL → NORMAL → ZOOM (14:9) → CINEMA









V-SIZE/V-SCROLL adjustment


When PANORAMA, ZOOM (14:9), or CINEMA is selected, the V-SIZE and V-SCROLL adjustment menu appears on the screen.

Adjustment menu










V-SIZE adjustment:

- 1 Press  /  to select "V-SIZE".
- 2 Press  /  to adjust the vertical size.
 -  : Press to increase the vertical size.
 -  : Press to decrease the vertical size.

- 3 Press  to turn off the adjustment screen.

V-SCROLL adjustment:

- 1 Press  /  to select "V-SCROLL".
- 2 Press  /  to adjust the vertical scroll.
 -  : Press to move the picture upward.
 -  : Press to move the picture downward.
- 3 Press  to turn off the adjustment screen.

Selectable wide mode

Input	Mode	PANORAMA	FULL	NORMAL	ZOOM (14:9)	CINEMA
Interlaced signal		✓	✓	✓	✓	✓
Progressive signal		-	✓	-	-	✓

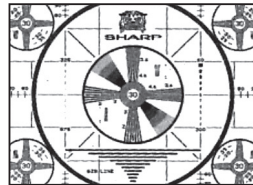
✓ Selectable

Detail information on each wide mode

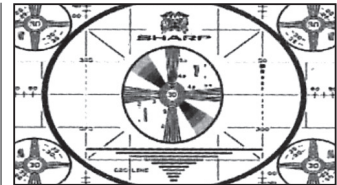
PANORAMA

Adapts the broadcast picture to 16:9 format without changing the centre of view. This is especially useful for programmes like the news when the speaker in the centre of the picture needs to be seen clearly.

4 : 3

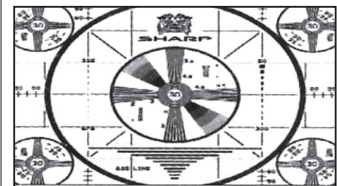
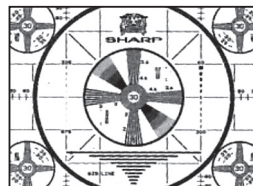


16 : 9



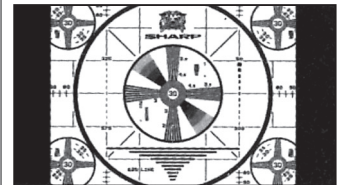
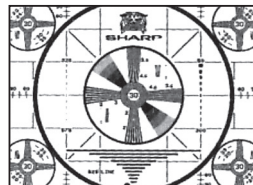
FULL

Adapts the broadcast picture to 16:9 format while also stretching the centre of view. This is an advantage, for example, when you are watching sports games where there is no real fixed centre of the picture.



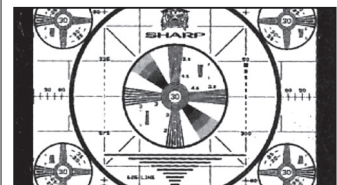
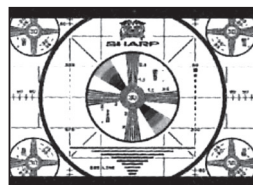
NORMAL

Displays 4:3 programmes in the original 4:3 format without distortion.



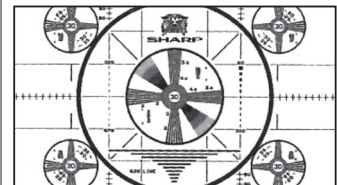
ZOOM (14:9)

Displays the 14:9 broadcast cinema movies in the original 14:9 format.



CINEMA

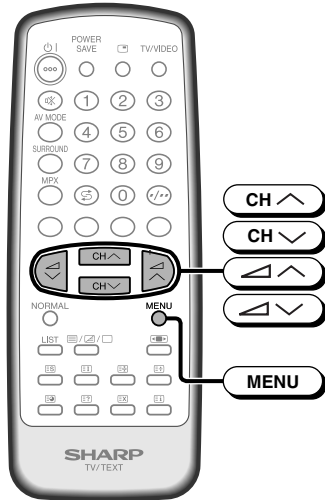
Displays the 16:9 broadcast cinema movies in the original 16:9 format.



Settings and adjustments

Blue screen

Automatically turns the screen blue if a broadcast signal is not received.



1 Press **MENU** to call MENU screen.

2 Press **CH ^** / **CH v** to select "FEATURE".

```

MENU
PICTURE
SOUND
◆FEATURE
TIMER
CH-SETTING

VCHA:SELECT V^A:ENTER MENU:RETURN
    
```

3 Press **^** / **v** to display FEATURE menu.

4 Press **CH ^** / **CH v** to select "BLUE BACK".

```

FEATURE
◆BLUE BACK      ON
AUTO SELECT     OFF
SAVE            20
ROTATION        0

VCHA:SELECT V^A:ADJUST MENU:RETURN
    
```

5 Press **^** / **v** to select "ON" or "OFF".

6 Press **MENU** until normal screen appears.

When BLUE BACK is set to "ON"

No signal



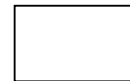
after five seconds

Blue screen



after 15 minutes

TV off



Standby mode

(Indicator)



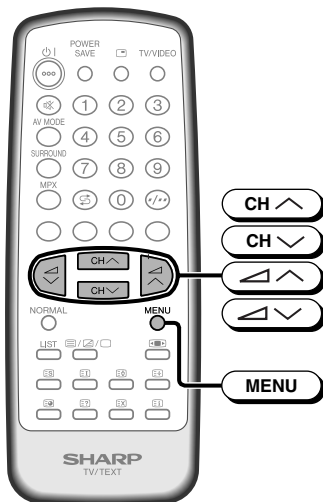
Power indicator lights up red.

NOTE

- Poor reception due to weak signals and too much noise may activate BLUE BACK, despite the presence of a broadcast signal. To continue watching TV under these conditions, set BLUE BACK to "OFF".
- When Off Timer is set, the OFF TIMER setting has priority over BLUE BACK.

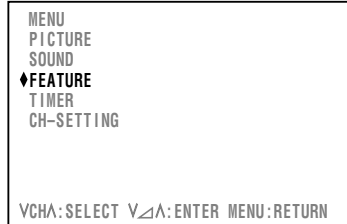
Auto select

When video equipment, such as a video game system or camcorder, is connected to the front (AV-3 IN) terminals, this TV set automatically selects the input mode (AV3) when the video equipment is turned on.



1 Press **MENU** to call MENU screen.

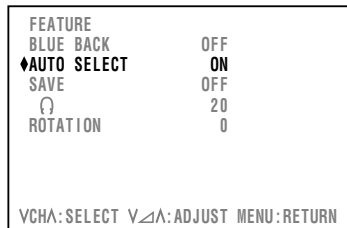
2 Press **CH ^** / **CH v** to select "FEATURE".



3 Press **Δ ^** / **Δ v** to display FEATURE menu.

4 Press **CH ^** / **CH v** to select "AUTO SELECT".

5 Press **Δ ^** / **Δ v** to select "ON" or "OFF".



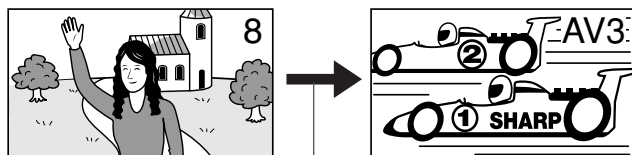
6 Press **MENU** until normal screen appears.

To use the Auto Select function, confirm the following:

- The TV set is turned on. (The Power indicator lights up green.)
- The video equipment, such as a video game system or camcorder, is connected to the front (AV-3 IN) terminals.
- The video equipment is turned on.

Example Connect the video equipment to the front (AV-3 IN) terminals.

Input mode (AV3) is automatically selected.



Video equipment turned on

NOTE

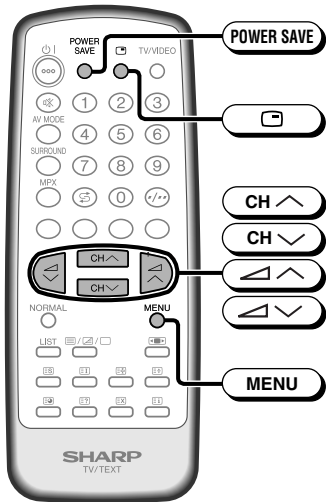
- If the video equipment is connected to the rear terminals on the TV set, the video mode will not be automatically selected.
- If the TV set receives a signal with noise or does not receive a signal even when the video equipment is turned on, the video mode may not be automatically selected.
- When the power on the video equipment is turned off, the input mode (AV3) is still selected. Use the remote control to return to a TV channel.

Settings and adjustments

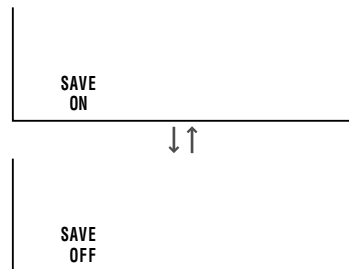
Save

This function reduces the picture brightness to create a softer image while saving electricity.

Using remote control



- 1 Press **POWER SAVE** to display the SAVE mode screen.
- 2 Each time you press **POWER SAVE**, the mode toggles between "ON" and "OFF".

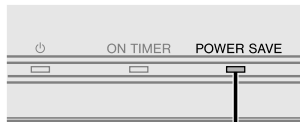


- When SAVE is set to "ON", the POWER SAVE indicator on the TV set lights up red.
- When SAVE is set to "OFF", the POWER SAVE indicator on the TV set turns off.

- 3 Press **POWER SAVE** to turn off the SAVE mode screen.

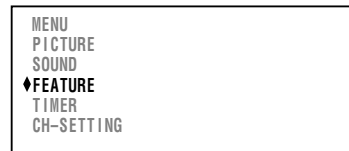
Using MENU screen

TV Set (Bottom)

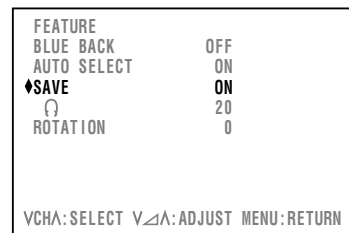


POWER SAVE indicator (Red)

- 1 Press **MENU** to call MENU screen.
- 2 Press **CH UP** / **CH DOWN** to select "FEATURE".



- 3 Press **RIGHT** / **LEFT** to display FEATURE menu.
- 4 Press **CH UP** / **CH DOWN** to select "SAVE".
- 5 Press **RIGHT** / **LEFT** to select "ON" or "OFF".

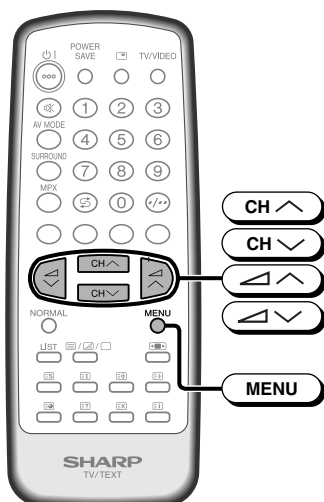


- When SAVE is set to "ON", the POWER SAVE indicator on the TV set lights up red.
- When SAVE is set to "OFF", the POWER SAVE indicator on the TV set turns off.

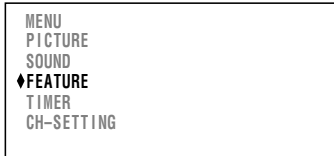
- 6 Press **MENU** until normal screen appears.

Headphones volume

Adjusts the headphones volume.

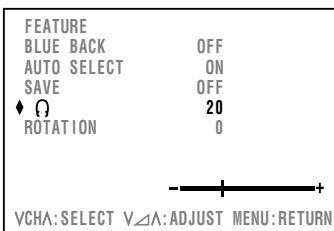


1 Press **MENU** to call MENU screen.



2 Press **CH ^** / **CH v** to select "FEATURE".

3 Press **▲** / **▼** to display FEATURE menu.



4 Press **CH ^** / **CH v** to select "0".

5 Press **▲** / **▼** to adjust the volume.

6 Press **MENU** until normal screen appears.

- NOTE**
- Select an appropriate volume so as not to injure your hearing.
 - To avoid injuring your hearing, do not put on the headphones before plugging them into the Headphones jack and before the power is turned on.
 - See **13** for headphones connection to the Headphones jack on the TV.

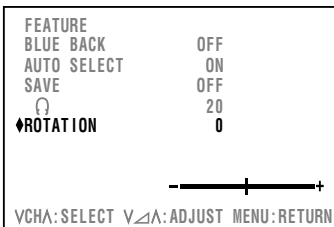
Rotation

If the picture is tilted, use the rotation feature to adjust the picture tilt.

1 Press **MENU** to call MENU screen.

2 Press **CH ^** / **CH v** to select "FEATURE".

3 Press **▲** / **▼** to display FEATURE menu.



4 Press **CH ^** / **CH v** to select "ROTATION".

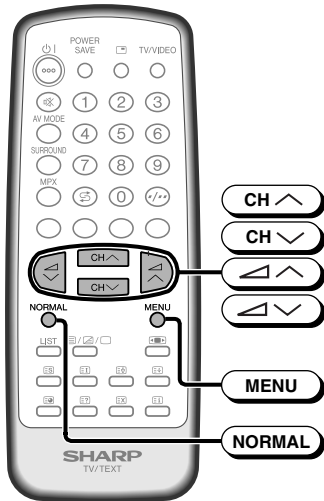
5 Press **▲** / **▼** to adjust the picture tilt.

6 Press **MENU** until normal screen appears.

Settings and adjustments

Off timer

Automatically turns power off after a set length of time has passed.



1 Press **MENU** to call MENU screen.

```
MENU
PICTURE
SOUND
FEATURE
♦TIMER
CH-SETTING
```

2 Press **CH ^** / **CH v** to select "TIMER".

3 Press **▲** / **▼** to display TIMER menu.

```
TIMER
♦OFF 0  --:--
ON 0  --:--
POSITION
VOLUME
☒ --:--
```

4 Press **CH ^** / **CH v** to select "OFF 0".

VCHA:SELECT V▲:ADJUST MENU:RETURN

5 Press **▲** / **▼** to set time for TV to turn off.

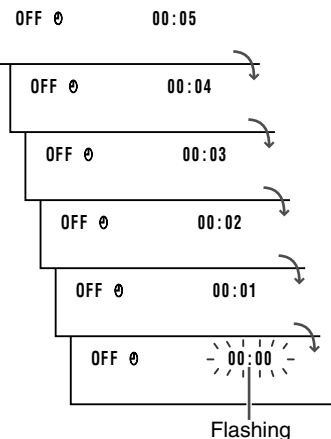
- Maximum time that can be preset is 12 hours and 50 minutes.
- As soon as the time is entered, the timer starts to count down.

```
TIMER
♦OFF 0  02:30
ON 0  --:--
POSITION
VOLUME
☒ --:--
```

VCHA:SELECT V▲:ADJUST MENU:RETURN

6 Press **MENU** until normal screen appears.

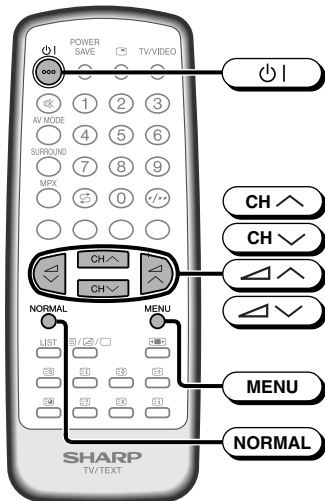
- Five minutes before the preset length of time expires (in the example, after two hours and 25 minutes) and each minute thereafter, the remaining time appears on the screen for several seconds.
- A flashing display of the remaining time appears during the last few seconds.
- When the preset length of time has passed, the TV set enters the Standby mode.



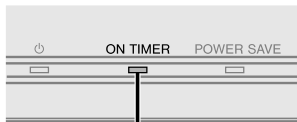
- NOTE**
- To cancel the Off Timer setting, press **NORMAL** when "OFF 0" is selected on TIMER menu. The time is reset to "- - : - -".
 - The timer can be set in ten-minute intervals.
 - The Off Timer is cancelled if the power is turned off or set to the Standby mode using **POWER** on the remote control or **⏻** on the TV set, or if the power is otherwise interrupted.

On timer

Automatically turns power on after a set length of time has passed.



TV Set (Bottom)



ON TIMER indicator (Red)

1 Press **MENU** to call MENU screen.

```
MENU
PICTURE
SOUND
FEATURE
♦TIMER
CH-SETTING
```

2 Press **CH ^** / **CH v** to select "TIMER".

3 Press **▲** / **▼** to display TIMER menu.

```
TIMER
OFF 0 ---:--
♦ON 0 ---:--
POSITION
VOLUME ---:--
```

4 Press **CH ^** / **CH v** to select "ON ⌚".

5 Press **▲** / **▼** to set time for TV to turn on.

```
TIMER
OFF 0 ---:--
♦ON 0 08:00
POSITION ---
VOLUME ---:--
```

- Maximum time that can be preset is 12 hours and 50 minutes.
- As soon as the time is entered, the timer starts to count down.

6 Press **CH ^** / **CH v** to select "POSITION".

```
TIMER
OFF 0 ---:--
ON 0 08:00
♦POSITION CH 28
VOLUME ---:--
```

7 Press **▲** / **▼** to set the channel.

8 Press **CH ^** / **CH v** to select "VOLUME".

```
TIMER
OFF 0 ---:--
ON 0 08:00
POSITION CH 28
♦VOLUME 20
VOLUME ---:--
```

9 Press **▲** / **▼** to set volume.

10 Press **POWER** to put TV set into Standby mode.

VCHA:SELECT VΔA:ADJUST MENU:RETURN

- The ON TIMER indicator lights up red.
- When the preset length of time (in the above example, eight hours) has passed, the power turns on and a picture appears on the screen. The On Timer speaker volume gradually increases from zero to the preset volume.

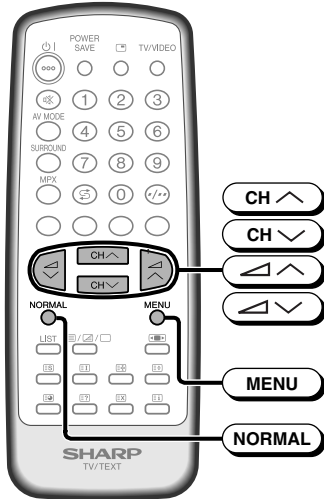
NOTE

- To cancel the On Timer setting, press **NORMAL** when "ON ⌚" is selected on TIMER menu. The time is reset to "--:--".
- The timer can be set in ten-minute intervals.
- The On Timer is cancelled if the power is turned off using **POWER** on the TV set.
- If the TV set is turned on by the On Timer, then the TV set will be automatically turned off in two hours if no buttons are pressed on the TV set or remote control.

Settings and adjustments

Reminder on-screen timer

Lets you know when a preset length of time has passed by displaying a countdown timer on the screen. This is useful for timer cooking while you watch TV.

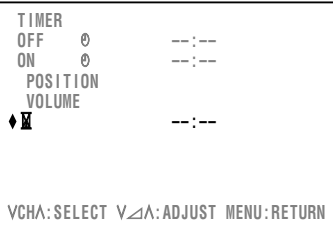


1 Press **MENU** to call MENU screen.



2 Press **CH ^** / **CH v** to select "TIMER".

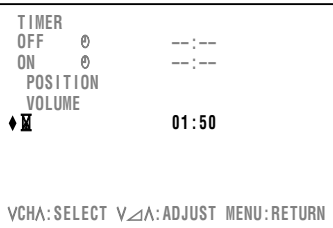
3 Press **▲** / **▼** to display TIMER menu.



4 Press **CH ^** / **CH v** to select "X".

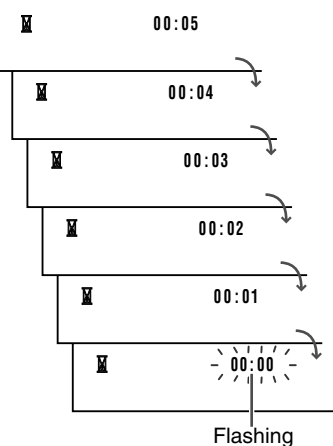
5 Press **▲** / **▼** to set time.

- Maximum time that can be preset is 12 hours and 50 minutes.
- The right example shows that the Reminder will be activated after one hour and 50 minutes.



6 Press **MENU** until normal screen appears.

- Five minutes before the preset length of time expires (in the example, after one hour and 45 minutes) and each minute thereafter, the remaining time appears on the screen for several seconds.
- When the preset length of time has passed, "00:00" flashes in red.



NOTE

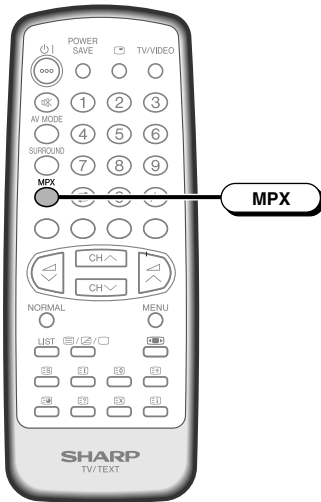
- This function also works in the Standby mode. Power is automatically turned on five minutes before the preset length of time expires. The TV set automatically returns to the Standby mode after the preset time.
- The Reminder is cancelled if **⓪** on the TV set is pressed or if the power is otherwise interrupted.
- The timer can be set in ten-minute intervals.
- To cancel the timer setting, press **NORMAL** when "X" is selected on TIMER menu. The time is reset to "-:-:-".



Broadcast features

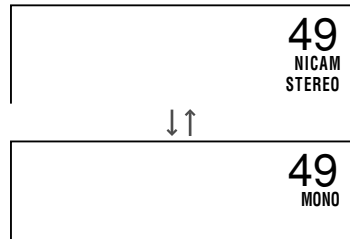
NICAM broadcasts

Enables selection of reception mode when receiving a NICAM-I, -B/G, or -D/K signal.



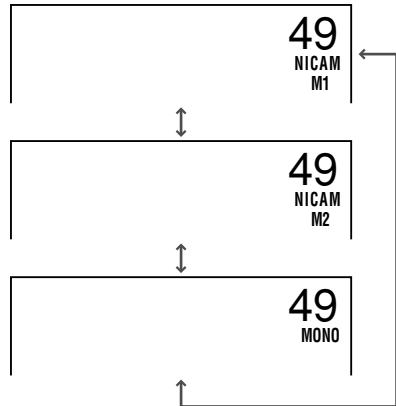
Stereo

Each time you press **MPX**, the mode switches between NICAM STEREO and MONO.



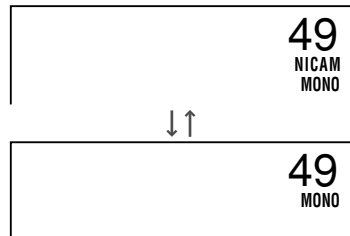
Bilingual

Each time you press **MPX**, the mode switches between M1 (main sound), M2 (sub sound), and MONO.



Monaural

Each time you press **MPX**, the mode switches between NICAM MONO and MONO.



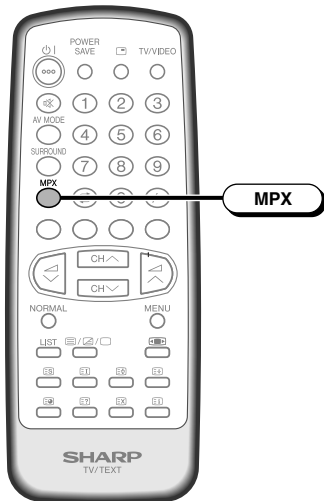
NOTE

- The setting can be selected individually for each channel position.
- NICAM-I: National and regional broadcast system used in the UK and Hong Kong.
- NICAM-B/G: National and regional broadcast system used in the Singapore and New Zealand.

Broadcast features

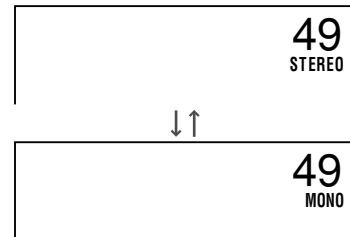
A2 stereo system broadcasts

Enables selection of reception mode when receiving an A2 stereo signal (B/G).



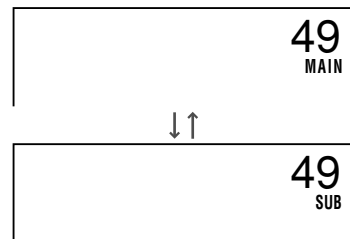
Stereo

Each time you press **MPX**, the mode switches between **STEREO** and **MONO**.



Bilingual

Each time you press **MPX**, the mode switches between **MAIN** and **SUB**.



NOTE

- The setting can be selected individually for each channel position.
- A2 stereo-B/G: National and regional broadcast system used in Malaysia, Thailand and Australia.

Teletext broadcasts

Teletext is an information service, organised like a magazine, which is provided by some television stations in addition to regular television broadcasting. Your television receives special Teletext signals broadcast by a TV station, processes the information and displays it graphically on the screen. News, weather and sports information, stock exchange prices, programme previews and closed captioning for the deaf are among the many services available through Teletext.

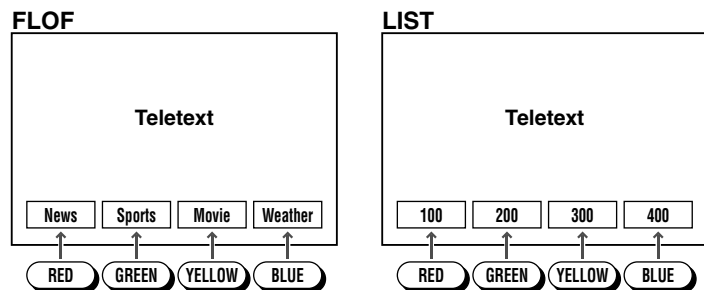
Teletext information is organised much like a magazine: according to pages and sub-pages. The basic unit of displayed information is the page. A sub-page is one of a series of pages.

Teletext reception is controlled by using the remote control. Refer to the appropriate button descriptions for operation of the Teletext functions.



FLOF and LIST

Depending on the TV programme, the Teletext pages are transmitted using different systems. Your SHARP TV is adjusted to receive two Teletext systems, namely FLOF and LIST, which are automatically identified by the receiver.

You can easily identify them by the manner in which they appear on the screen.




Entering and leaving Teletext mode

- 1** Select a TV channel which is broadcasting the Teletext programme you wish to watch.
- 2** Press  to select Teletext mode.
 - Teletext information will appear on the screen.
- 3** Press  twice to exit Teletext mode.

Page selection



Fast page selection

Select an appropriate programme channel.


Press  to select Teletext mode.

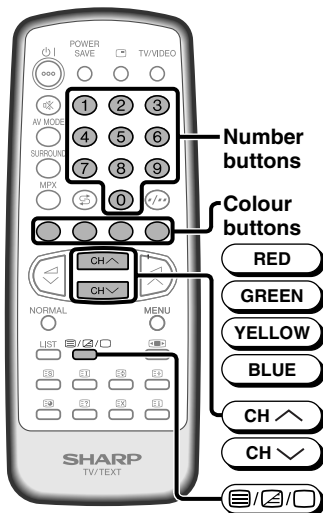
To recall a page number displayed in the coloured brackets, simply press the corresponding **Colour button**.

0-9 Number buttons

Enter a desired page number with **0-9 Number buttons**. (Ex. Press ,  to select page 105.)

Page selector

You can sequentially select page numbers by pressing  / .



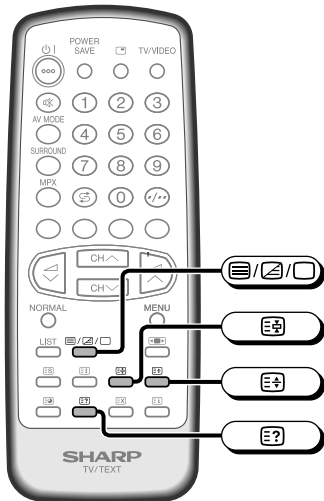
Broadcast features

Other features

(Text/Mix/Picture)

Each time you press the button, the display mode changes as shown below.

TV mode → Teletext mode → Mixed mode



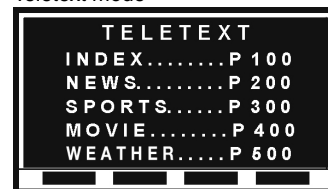
TV mode: Current TV programme screen.

TV mode



Teletext mode: Teletext screen.

Teletext mode



Mixed mode: The Teletext broadcast is superimposed onto the current TV programme screen.

Mixed mode



(Half page)

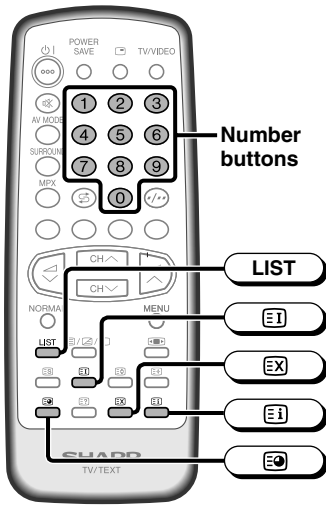
Each time you press the button, the upper/lower half of the Teletext page is magnified and displayed on the screen.

(Hold)

Press to hold a Teletext page or sub-page on the screen. Press again to cancel the Hold mode.

(Reveal)

Press to reveal hidden information such as the answer to a quiz. Press again to hide the information.



CLOCK (Clock)

In TV mode: When a TV signal with Teletext data is received, press to display the real time information on the top left area of the screen.

In Teletext mode: When a selected Teletext page has hidden sub-pages, you can see them by performing the following procedure:

- 1** Press **CLOCK**.
 - “= = =” appears on the screen.
- 2** Enter a desired sub-page number (4 digits) with 0-9 Number buttons. (Ex. Press **0**, **0**, **2**, **1** to select sub-page 21.)
- 3** Wait until the selected sub-page appears.

EX (Cancel)

Press to cancel the Teletext mode and restore the normal TV screen. Indication is shown on the screen.

In this position, the TV programme cannot be changed, being in Teletext/Cancelled mode.

LIST (LIST)

Press to force the Teletext to LIST mode. It means that row 24 (bottom row of Teletext) will not have transmitter information, only the pages that you have previously stored in the memory.

See **38** for more information on Teletext page memory list.

Press again to switch from LIST mode to FLOF system.

I (Index)

Press to return to the index page.

I (Reset)

Press to return to the index page and exit Teletext mode.

Broadcast features

LIST mode

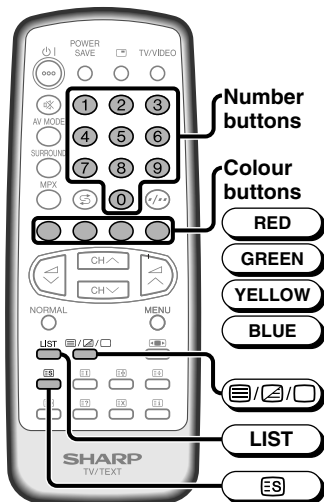
Teletext page memory list

Your TV has 40 Teletext page number memories for fast recall of Teletext information.

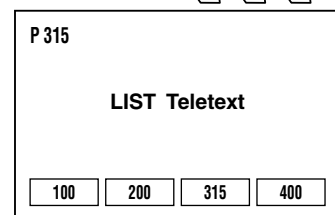
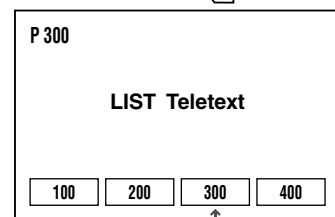
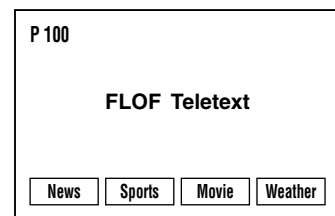
In programme positions 1 through 9, four Teletext page numbers can be stored in each position; a total of 36 pages.

In programme positions 10 through 99, only one programme with 4 page numbers can be stored. If you try to store more than 4 page numbers in a programme position between 10 and 99, the previously stored page numbers will be erased.

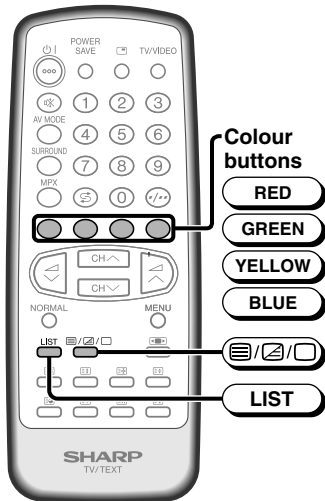
Page memory operation



- 1** Select the programme channel number into which you want to store Teletext page numbers.
- 2** Press to select the Teletext mode (FLOF).
- 3** Press to change from FLOF system to LIST mode.
- 4** Press the Colour button corresponding to the coloured brackets on the screen for page number storage.
- 5** Enter the Teletext page number (3 digits) using the 0-9 Number buttons.
- 6** Repeat steps 4 and 5 until the numbers for the desired pages are all entered.
- 7** Press to memorize the page numbers you require.
 - The symbol appears on the screen.
- 8** Press twice to exit the Teletext mode.

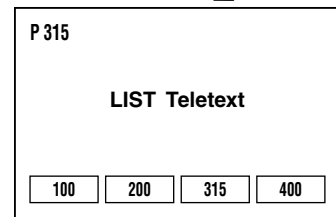
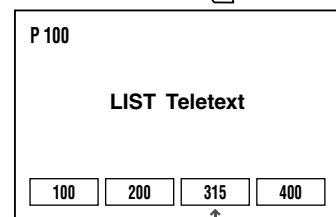
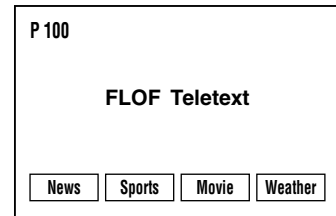


If you want to store the page, press .



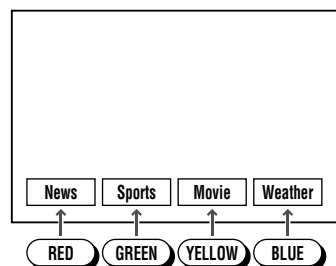
Fast page selection (LIST mode)

- 1** Select an appropriate programme channel.
- 2** Press to select the Teletext mode.
- 3** Press to change from FLOF system to LIST mode.
- 4** To recall a page number displayed in the coloured brackets, simply press the corresponding Colour button.
- 5** Press again to return to FLOF mode.



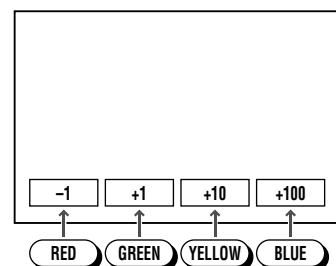
How colour buttons work in FLOF mode

- If link-page data are transmitted from the TV station, each link-page can be viewed by pressing the **Colour buttons**.



- If no link-page data are transmitted, pressing each **Colour button** selects the following pages.

- Current page number minus 1
- Current page number plus 1
- Current page number plus 10
- Current page number plus 100



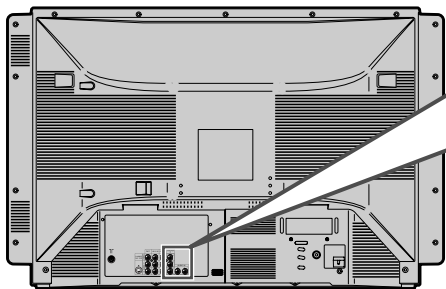
Connections

Connecting to a DVD player

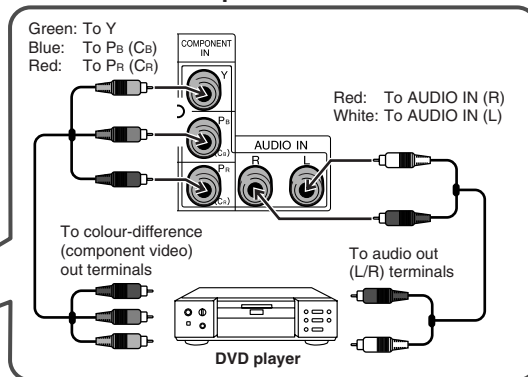
The DVD input terminals (COMPONENT IN) on the rear of the TV can be used to input high-quality images from a DVD player.

- The COMPONENT IN terminals support progressive video signal input for playback on the screen.

TV (SX76NF100)



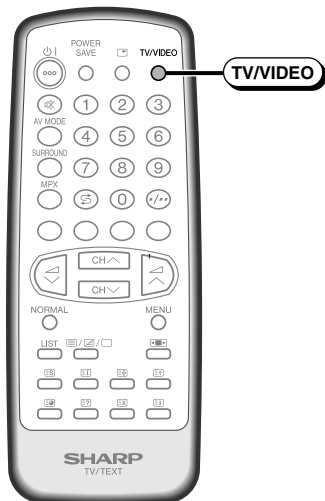
DVD input terminals



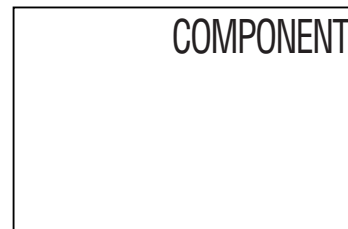
Connecting the video terminals

DVD input terminals	DVD player	
COMPONENT IN	Y	Y or Y/Y
	P _B (C _B)	P _B (C _B) or B-Y/P _b
	P _R (C _R)	P _R (C _R) or R-Y/P _r

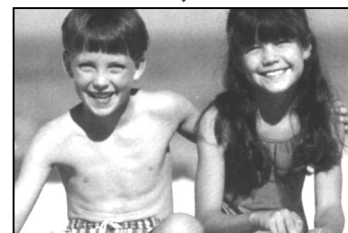
Watching DVD playback



1 Press **TV/VIDEO** to select "COMPONENT", DVD input screen.



2 Turn on the DVD player and begin playback.



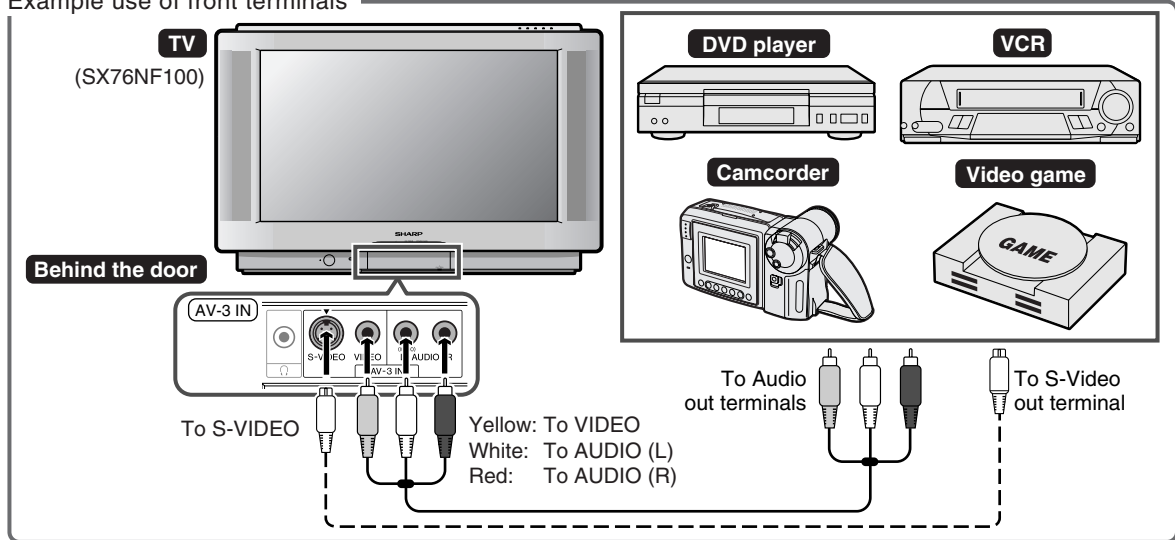
NOTE

- When connecting the TV to a DVD player via the COMPONENT IN terminals, the video and audio from the DVD player cannot be output through the AUDIO/VIDEO OUT terminals on the TV.
- Please refer to the operation manual of your DVD player for more information.
- Be sure to fully insert the plugs of the connecting cables into the terminals on the TV set and video equipment. Failure to do so may result in noise.
- Before connecting the cables, turn off the power of the TV set and video equipment.
- Always remove the cables from the terminals by the plugs and not the cables themselves.

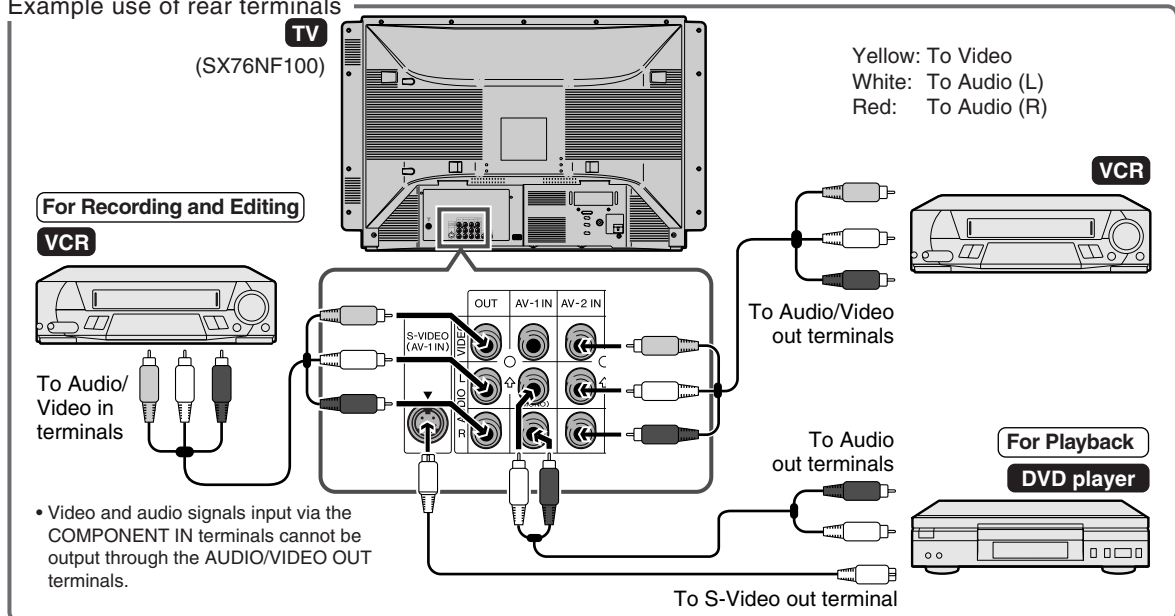
Connecting to video equipment

Enjoy playback from a video disc player, VCR or other video equipment by connecting them to this TV set using the Audio/Video In terminals.

Example use of front terminals



Example use of rear terminals



NOTE

- The S-VIDEO terminal has priority over the Video terminal.
- The S-VIDEO terminal and AUDIO (L/R) terminals must be connected to the playback DVD player.
- Turn off the power on the TV set and the VCR being connected before making the above connections.
- Be sure the cord plugs are fully inserted in the connection terminals.
- For playback of monaural audio, connect the external source to the AUDIO-L terminal on the front or rear of the TV set (MONO) to hear the same sound from both speakers.
- The audio-visual cords required to connect the TV set to video equipment may differ from those shown in the above diagram. See the operation manual of your video equipment for connection details.
- The above recording and editing connections are intended solely for personal use and not for the illegal copying of audio-visual material protected by copyright laws.

Troubleshooting

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.
If, after following the guide none of the remedies work, unplug the TV set and call for service.

Problems	Possible Causes/Remedies											
	Try a new channel to check for possible station trouble.	TV not plugged in. Outlet power OFF.	Power switch of TV not ON.	Antenna not connected to terminal at the rear of the TV set.	If outside antenna is used, check for broken wires.	Check for local interference.	Turn OFF using the Power switch, then turn ON again after a minute.	Adjust COLOUR control.	Check batteries in the remote control.	Try fine tuning to correct.	CONTRAST or BRIGHTNESS setting in picture mode might be all the way to the minus side.	Increase the volume.
Remote control does not work.		●	●				●		●			
Bars on screen.					●	●						
Picture distorted.	●				●					●		
Picture rolls vertically.	●				●	●						
No colour.	●			●	●			●		●		
Poor reception on some channels.	●			●	●	●						
Picture weak.	●			●	●			●		●		
Picture lines or streaks.	●				●	●						
Picture ghosting.	●			●	●	●						
Picture blurred.	●				●					●		
Sound OK, picture poor.	●			●	●	●		●		●	●	
Picture OK, sound poor.	●					●						●
No picture or sound.	●	●	●	●	●		●				●	●

NOTE • This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.



Specifications

MODEL	SX66NF100		SX76NF100	
Receiving System				
TV broadcasts/ VCR playback	PAL-I PAL-B/G PAL-D/K SECAM-B/G SECAM-D/K NTSC-M (NTSC standard)			
VCR playback	NTSC 4.43/5.5 MHz 60 Hz NTSC 4.43/6.0 MHz 60 Hz NTSC 4.43/6.5 MHz 60 Hz	NTSC 3.58/5.5 MHz 60 Hz NTSC 3.58/6.0 MHz 60 Hz NTSC 3.58/6.5 MHz 60 Hz	SECAM-I (6.0 MHz)	
Laserdisc player playback (Using RF-in terminal)	PAL 5.5 MHz/60 Hz PAL 6.0 MHz/60 Hz PAL 6.5 MHz/60 Hz			
VCR playback (Using S-Video In terminal)	S-VIDEO NTSC 3.58 MHz S-VIDEO NTSC 4.43 MHz S-VIDEO PAL S-VIDEO SECAM			
Special VCR and VDP playback	Video-in 50/60 Hz S-Video in 50/60 Hz			
DVD playback	COMPONENT IN Progressive signal 50/60 Hz Interlaced signal 50/60 Hz			
Stereo broadcast	A2 stereo-B/G NICAM-I, B/G, D/K			
Reception Channels				
PAL-B/G	VHF	AU0-AU12 ch, NZ1-NZ11 ch		
	UHF	E21-E69 ch		
CATV	S1-S20 ch, S21-S41 ch (Hyper)			
Receiving Frequency	45.25 MHz – 855.25 MHz			
Teletext Language	Multi language			
Channel Tuning	100-channel electronic tuner with Full Auto Tuning system			
Picture Tube	66 cm, flat CRT		76 cm, flat CRT	
Terminals	Audio/video input × 3 (front × 1, rear × 2) , DVD input (COMPONENT IN) × 1 (rear) Audio/video output × 1 (rear) , Headphones jack (front × 1) , S-video input × 2 (front × 1, rear × 1)			
Sound Output	5 W (RMS) × 2, total 10 W (RMS)		5 W (RMS) × 2 + 10 W (RMS)/(sub woofer), total 20 W (RMS)	
Power Source	AC 220 – 240 V, 50 Hz			
Power Consumption	160 W		163 W	
Power Consumption during Standby Mode	Less than 1 W			
Dimensions	786 (W) × 520 (H) × 490 (D) mm		880 (W) × 566 (H) × 545 (D) mm	
Weight (approx.)	41.5 kg		54.5 kg	

NOTE

- Design and specifications are subject to change without notice.
- Receiving system: These receiving systems, encompassing all currently available technology, include those with planned broadcast, videotape and laserdisc hardware and software.
- Reception channels: Some examples of the main receivable channels are shown above.

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