



# Colour Television

## OWNER'S MANUAL

Please read this manual carefully before operating your set.  
Retain it for future reference.  
Record model number and serial number of the set.  
See the label attached on the back cover and quote this  
information to your dealer when you require service.

**Chassis : CP-079B/C**

P/No. : MFL62616801 (02)

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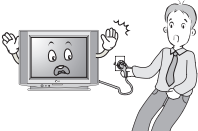
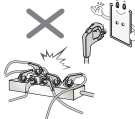


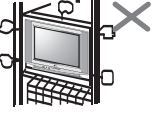

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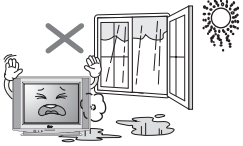
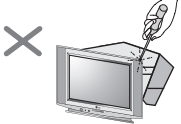
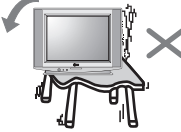
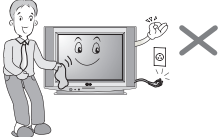

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## Important Precautions

This unit has been engineered and manufactured to assure your personal safety, however improper use may result in potential electrical shock or fire hazards. In order to allow the proper operation of all safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing. Keep it in an accessible place for future reference. (TV operating voltage is : 110V ~ 240V AC)

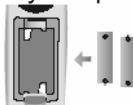
	<p>Make sure to insert the power plug completely. If power cable is not fixed completely, a fire can break out .</p>
	<p>Do not pull out the power cord. Always Pull out by the power plug. Do not touch the plug with wet hands. Do not damage the power cord.</p>
	<p>Do not unplug the power cord while the product is in use. Do not use the power plug to turn the product ON/OFF. Electric shock can damage the product.</p>
	<p>Do not overload AC outlets by plugging too many appliances in the same socket or extension cords. They may result in a shock or fire hazard.</p>
	<p>Never leave the TV set "ON" standby when leaving the house. Unplug the TV before moving it or if you are not going to use it for several days or during lightning storms.</p>
	<p>For Own safety, Never touch any part of product, the power cord, and the antenna cable during lightning storms. You may be electrocuted.</p>
	<p>TV set are provided with ventilation holes to allow the release of heat generated. Make sure that these holes are not blocked. Do not install the product in a confined place, such as book case or built in cabinet .</p>
	<p>Do not place any object filled with liquid such as Vases, cup, glass etc on the TV set. Do not place the lighted candles on the TV set. This may cause fire or an electric shock hazard.</p>

## Important Precautions

	<p>If you can smell a smoke or other odors or hear a strange sound unplug the power cord and contact the service center. If you continue to use, electric shock can occur.</p>
	<p>Do not place the product where it might be exposed to excessive heat, sunlight, rain or moisture.</p>
	<p>Do not attempt to open the product. There are dangerous High Voltages inside. Refer to Servicing through Qualified Personnel if the TV is not operating properly.</p>
	<p>Avoid personal injury / set damage by Installing the product on a flat and stable place that can support the weight of the set and has no risk of dropping the product.</p>
	<p>While cleaning the product, Unplug the Power cord and clean with dry &amp; soft cloth. Do not use thinner, aerosol or any other chemical to clean .</p>
	<p>Do not allow children to climb over it. If the product falls / collapses, you may be hurt. Do not drop or push objects (like coins, hair pins etc) into the TV cabinet openings. Some internal parts carry hazardous voltages.</p>

- Do Not use the stabilizer, as this set has a In built stabilizer. Use of External Inferior Quality stabilizer may damage your product .

**Battery Installation:** The remote control Handset is powered by two AA/ AAA batteries. To Load the Batteries, turn the remote control handset over and open the battery compartment. Install two batteries as per the polarity symbols (⊕ and ⊖) marked inside the battery compartment .



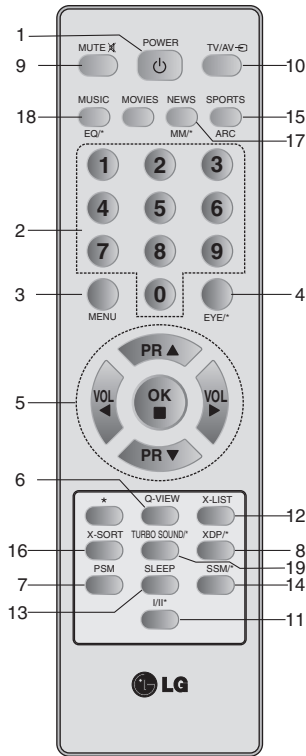
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid leaks from the batteries and touch your skin, immediately wash it away with water.

## Location and function of controls

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

### Remote control handset

Before you use the remote control handset, please install the batteries. See the previous page.



1. **POWER**  
switches the set from On to standby or standby to On.
2. **NUMBER BUTTONS**  
switches the set On from standby or directly select a Programme number.
3. **MENU**  
selects a menu.
4. **EYE/\* (option)**  
switches the eye function On or Off.
5. **▲ / ▼ (Programme Up/Down)**  
selects a programme or a menu item.
6. **Q. VIEW**  
switches the set On from standby.
7. **▲ / ▼ (Volume Up/Down)**  
adjusts the volume.
8. **OK**  
accepts your selection or displays the current mode.
9. **Q. VIEW**  
returns to the previously viewed programme.
10. **PSM (Picture Status Memory)**  
recalls your preferred picture setting.
11. **XDP/\***  
Select Excellent Digital Picture.
12. **MUTE**  
switches the sound On or Off.
13. **TV/AV**  
selects TV or AV mode.
14. **I/II/\* (option)**  
switches the set On from Standby.
15. **I/II/\* (option)**  
selects the language during dual language broadcast. (option)  
selects the sound output in AV mode.
16. **X-LIST (option)**  
displays the programme table. press LIST / X-LIST key again to clear the LIST / X-LIST table from the screen.
17. **SLEEP**  
sets the sleep timer.
18. **SSM/\* (option) (Sound Status Memory)**  
recalls your preferred sound setting.
19. **ARC**  
change picture format (Normal/Zoom).
20. **X-SORT (option)**  
X-SORT switches X-SORT (option) On/Off.
21. **MM/\***  
select music mode.
22. **EQ/\* (option)**  
direct access key to select EQ (Graphics Equalizer).
23. **XD/TURBO SOUND/\* (option)**  
selects Turbo Sound.

**COLOURED BUTTONS** : When Menu is On some of these buttons are used for programme edit.

**Remarks** : 1. Some keys in remote can be non-functional, these keys are used in other models & marked with \*.  
2. Colour keys will not work as direct access keys during X-Sort on mode.

**# Remote Design / Aesthetic may vary from model to model.**

## Location and function of controls

### FRONT PANEL / SIDE PANEL

Shown below is a simplified representation of front or side panel, here shown may be somewhat different from your set.

The diagrams show the front panels for the following series: 21FD5 series, 21FE4 series, 21FU8 series, 21FU1 series, 21FU3 series, and 21SA4 series. Each diagram includes numbered callouts (1-10) corresponding to the legend on the right. The 21SA4 series diagram also includes a swivel stand diagram at the bottom.

- 1. MAIN POWER**  
switches the set **On** or **Off**.
- 2. POWER/STANDBY INDICATOR**  
illuminates brightly when the set is in standby mode.  
dims when the set is switched **On**.
- 3. MENU**  
selects a menu.
- 4. OK /**   
accepts your selection of current mode or to select AV/Component / RF mode.
- 5. ▲/▼ (Programme Up/Down)**  
selects a programme or a menu item.  
switches the set on from standby.  
If X-Sort is on, switch to the next prog. in same group.  
◀/▶ (Volume Down/Up)  
adjusts the volume.  
adjusts menu settings.
- 6. REMOTE CONTROL SENSOR**  
*Note : Only use the supplied remote control handset. (When you use other, they'll be not able to function).*
- 7. HEADPHONE SOCKET (option)**  
Connect the headphone plug to this socket.
- 8. AUDIO/VIDEO IN SOCKETS (AV2/AV3) (option)**  
Connect the audio/video out sockets of External equipment to these sockets.
- 9. S-VIDEO/AUDIO IN SOCKETS (S-AV) (option)**  
Connect the video out socket of an S VIDEO VCR to the **S-VIDEO** socket.  
Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV3**.
- 10. EYE (option)**  
adjusts picture according to the Surrounding conditions.  
*Note : Do not place any heavy objects on the TV set.*

**SWIVEL STAND**  
This feature is available with 21SA4 model only. After installing the TV, you can adjust the TV set manually to the left or right direction by 15 degrees to suit your viewing position.

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## Basic operation

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### On and Off

1. Press the main power button at front side of set to switch On.
2. If the set is in standby mode, press the **POWER**, **▲/▼**, **TV/AV-ED** or **NUMBER** buttons on the remote control handset to switch it On fully.
3. Press the **POWER** button on the remote control handset. The set reverts to standby mode.
4. Press the main power button again to switch the set Off.

**Note :** while the set is switched On and mains plug is disconnected, if mains plugged again then set will switch to standby or power On.

### Programme selection

You can select a programme number with the **▲/▼** or **NUMBER** Buttons.


### Volume adjustment

Press the **◀/▶** button to adjust the volume.

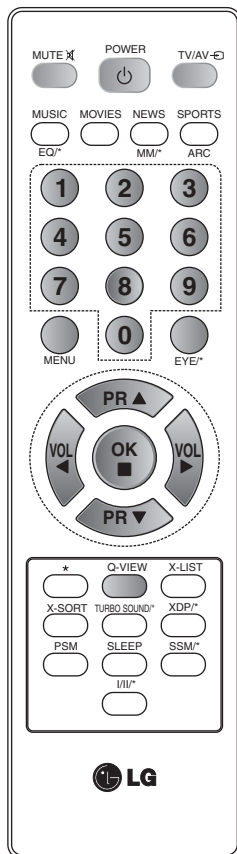
### Quick view

Press the **Q.VIEW** button to view the last viewed programme.

### Mute function

Press the **MUTE** button. The sound is switched Off and the display  appears.

You can cancel it by pressing the **MUTE**, **◀/▶**, **SSM**, **XD / TURBO SOUND**, **Woofers** (option) button.



## On screen menus

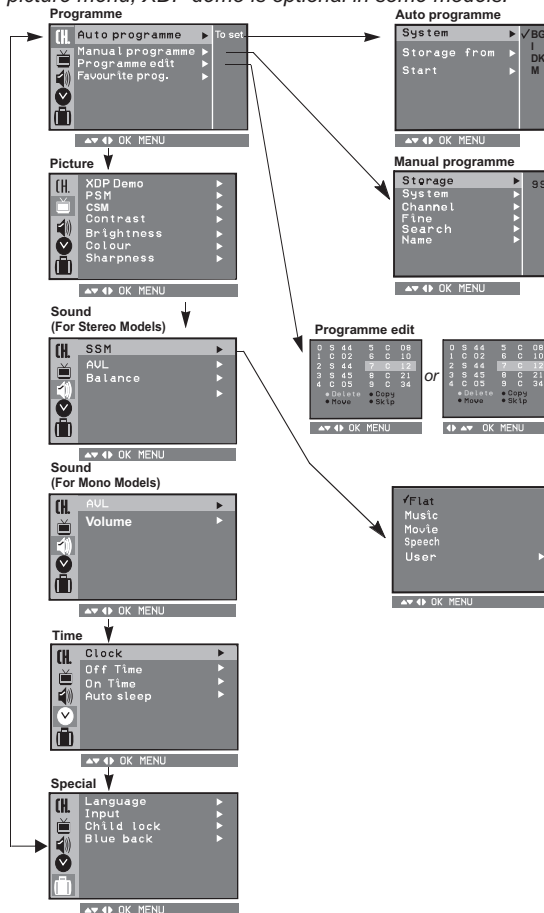
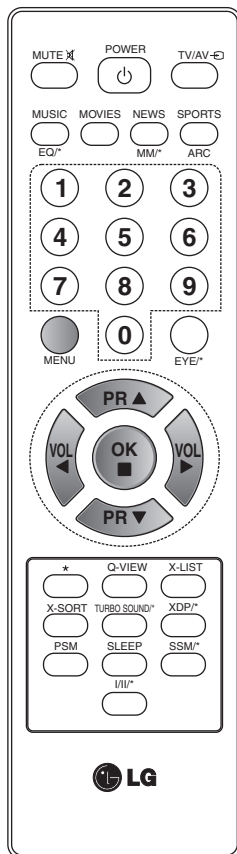
The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

### Menu selection

1. Press the **MENU** button and then **▲/▼** button to display each menu.
2. Press the **▶** button and then **▲/▼** button to select a menu item.
3. Press the **▶** button to display the sub menu or the pull-down menu.
4. Change the setting of an item in the sub or pull-down menu with **◀/▶** or **▲/▼**.
5. Press OK button to save the setting mode.
6. Repeatedly press the **MENU** or **◀** button to return to normal TV viewing.

### Note :

- In the AV mode the Programme Menu is not displayed.
- In sound menu woofer gain & AVL is optional (In some models)
- In programme menu favourite is optional (In some models)
- In picture menu, XDP demo is optional in some models.





## Setting up TV stations



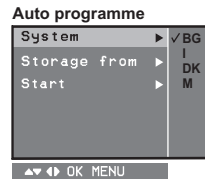
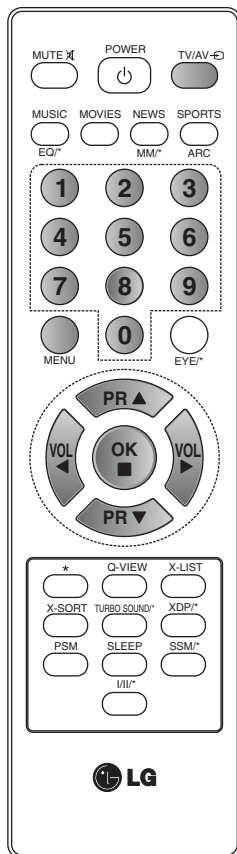
Up to 200 programmes can be stored by programme numbers (0 to 199). Once you have preset the stations you will be able to use the ▲/▼ or NUMBER buttons to scan the stations you programmed. Programmes can be tuned using automatic or manual modes.

**Note :** In some models up to 100 TV stations can be stored.

### Auto programme tuning

All channel that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.

1. Press the **MENU** button and then ▲/▼ button to select the Programme menu.
2. Press the ▶ button and then ▲/▼ button to select **Auto programme**.
3. Press the ▶ button to display the **Auto programme** menu.



4. Press the ▲/▼ button to select System. Select TV system with the ◀/▶ button.
    - BG** : (India/New Zealand/M.East/Africa/Australia)
    - I** : (Hong Kong/South Africa)
    - DK** : (East Europe/China/Africa/CIS)
    - M** : (USA/Korea/Philippines) (option)
  5. Press the ▲/▼ button to select Storage from.
  6. Select the beginning programme number with the ◀/▶ button or NUMBER buttons on the Storage from pull-down menu. Any number under 10 is entered with a numeric '00' in front of it, i.e. '005' for 5. Press **OK** to store / save.
  7. Press the ▲/▼ button to select the start.
  8. Press the ▶ button to begin auto programming. All receivable stations are stored. To stop auto programming, press the **MENU** button.
- When auto programming is completed the Programme edit menu appears on the screen. See the 'Programme edit' section to edit the stored programme.
9. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

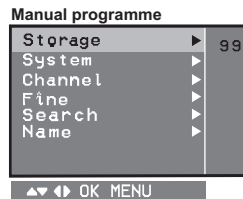
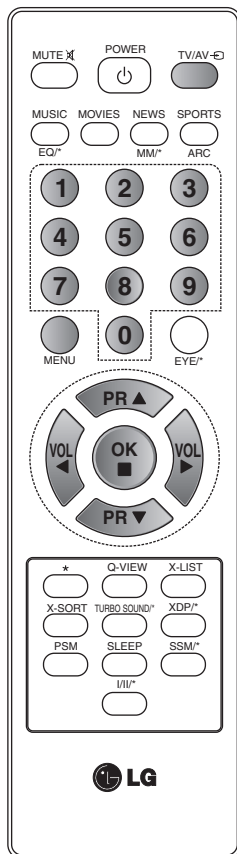
## Setting up TV stations



### Manual programme tuning

**Manual programme** offer you to manually tune and arrange the programme in whatever order you desire. Also you can assign a programme name with five characters to each.

1. Press the **MENU** button and select the **Programme** menu.
2. Press the **►** button and then **▲/▼** button to select Manual programme.
3. Press the **►** button to display the Manual programme menu.



4. Press the **▲/▼** button to select Search. Press the **◀/▶** button to commence searching on the Search pull-down menu. If a programme is found the search will stop. Press **OK** button to store the programme. If programme reception is poor go for fine tuning.

5. If this station is the one required, press the **▲/▼** button to select Storage. Select the desired programme number (0 to 199) with the **◀/▶** button or NUMBER buttons on the Storage pull-down menu. Any number under 10 is entered with a numeric '00' in front of it, i.e. '005' for 5. Press **OK** button to store the programme.
6. Press the **▲/▼** button to select System. Select a TV system with the **▲/▼** button on the System pull-down menu;
  - BG : (India/New Zealand/M.East/Africa/Australia)
  - I : (Hong Kong/South Africa)
  - DK : (East Europe/China/Africa/CIS)
  - M : (USA/Korea/Philippines) (option)
7. Press the **▲/▼** button to select Channel. Press **►** button and then **▲/▼** to select V/UHF or Cable on the Channel pull-down menu. If possible, select the channel number 1 to 69 (V/UHF) and 1 to 47 (cable) directly with the number buttons, Any number under 10 is entered with a numeric '0' in front of it i.e. '05' for 5.
8. Press the **OK** button to store it. The display Stored will appear.
9. To store another station, repeat steps 4 & 5.

## Setting up TV stations



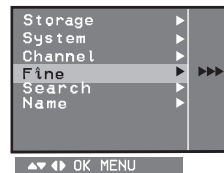
### Assigning a programme name

1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ▲/▼ button to select Name.
3. Press the ▲ button on the Name pull-down menu. You can use a blank, +, -, the numeric 0 to 9 and the alphabet A to Z. With the ▼ button you can select in the opposite direction.
4. Select the next position by pressing the ► button and then take your choice of the second character, then press **OK** button.
5. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

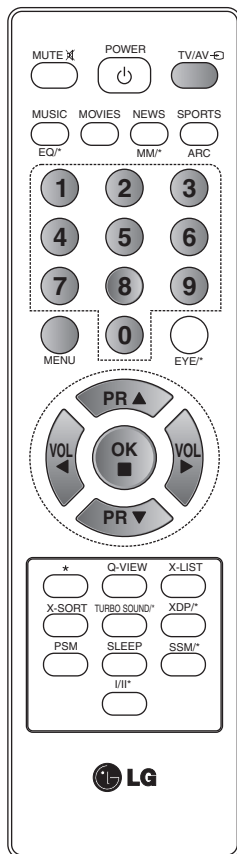
### Fine tuning

Normally fine tuning is only necessary if reception is poor.

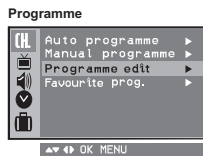
1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ▲/▼ button to select Fine.
3. Press the ◀/► button to fine tune for the best picture and sound on the Fine pull-down menu, then press **OK** button to store the setting.



4. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.
5. Change of " ▶▶▶ " from Yellow to red indicates tuning is proper.



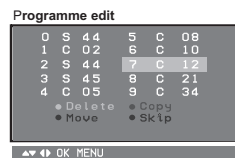
## Setting up TV stations



### Programme edit

This function enables you to delete or skip or copy the stored programmes. Also you can move some stations to other programme numbers.

1. Press the **MENU** button and then **▲/▼** button to select the Programme menu.
2. Press the **▶** button and then **▲/▼** button to select **programme edit**.
3. Press the **▶** button to display the **Programme edit** menu.



### Deleting a programme

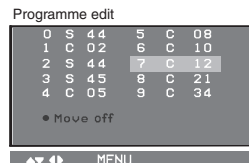
1. Select a programme to be deleted with the **◀/▶** or **▲/▼** button.
2. Press the **RED** button twice.  
The selected programme is deleted, all the following programmes are shifted up one position.

### Copying a programme

1. Select a programme to be copied with the **◀/▶** or **▲/▼** button.
2. Press the **GREEN** button.  
All the following programmes are shifted down one position.

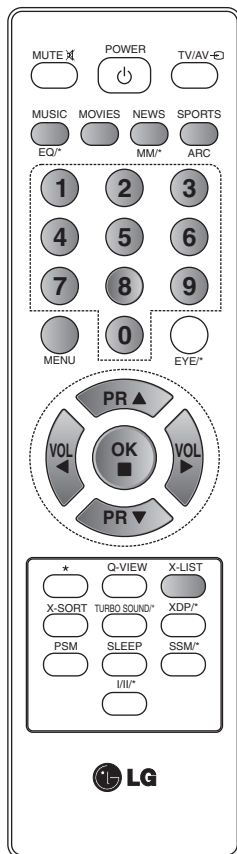
### Moving a programme

1. Select a programme to be moved with the **◀/▶** or **▲/▼** button.
2. Press the **YELLOW** button.
3. Move the programme to the desired programme number with the **▲/▼** or **◀/▶** button.
4. Press the **YELLOW** button again to release this function.



### Skipping a programme number

1. Select a programme number to be skipped with the **▲/▼** or **◀/▶** button.
2. Press the **BLUE** button. The skipped programme turns to blue.
3. Press the **BLUE** button again to release the skipped programme. When a programme number is skipped it means that you will be unable to select it using the **▲/▼** button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the **NUMBER** buttons or select it in the programme edit or list menu. Skipped prog. No. appears **BLUE**.
4. Skipped programmes can be selected in X-List. Repeatedly press the **MENU** to return to normal TV viewing.

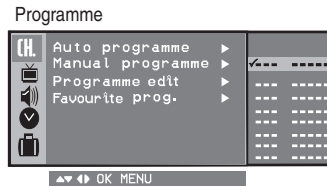


## Setting up TV stations

### Favourite Prog. (option)

This function lets you select your favourite programmes directly.

1. Press the **MENU** button and then **▲/▼** button to select the Programme menu
2. Press the **▶** button and then **▲/▼** button to select **Favourite Prog.**
3. Press the **OK** button to display the **Favourite Prog.** menu.



4. Press the **▲/▼** button to select **Favourite Prog.** location.
5. Select a desired programme with the **◀/▶** button or **NUMBER** buttons. Any number under 10 is entered with a numeric '00' in front of it i.e '005' for 5.
6. To store another programme repeat steps 4 to 5. You can store up to 8 programmes.
7. Repeatedly press the **MENU** or **◀** button to return to normal TV viewing.

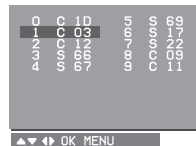
Repeatedly press the **FAVOURITE KEY** button on remote to select stored favourite programmes.

### Calling the programme List (option)

You can check the programmes stored in the memory by displaying the programme list.

#### Displaying programme List

Press the **LIST** button to display the **Programme list** menu. The programme List appears on the screen. One programme list contains ten programmes as below.



#### Note :

- a. You may find some blue programmes. They have been set up to be skipped by auto programming or in the programme edit mode.
- b. Some programmes with the channel number shown in the programme list indicate there is no station name assigned.

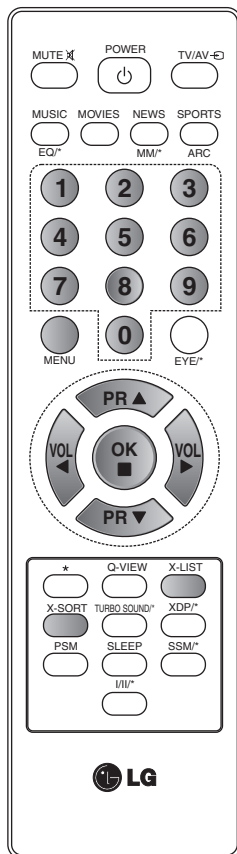
#### Selecting a programme in the programme list

Select a programme with the **▲/▼** or **◀/▶** button. Then press the **OK** button. The set switches to the chosen programme number.

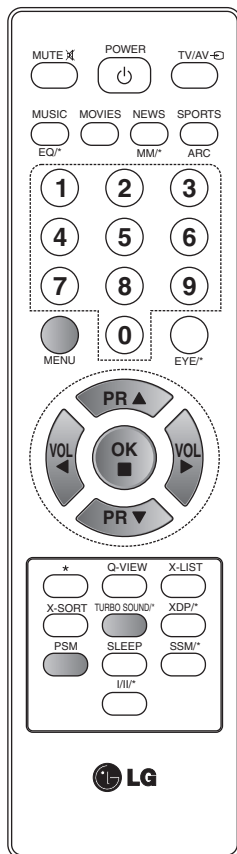
#### Paging through a programme list

There are 10 (or 20) programme list pages which contain 100 (or 200) programmes. Pressing the **▲/▼** or **◀/▶** button repeatedly turns the pages.

Press the **LIST** button to return to normal TV viewing.



## Picture adjustment



### XDP Demo (option)

1. Press the MENU button and ▲/▼ to select the picture menu.
2. Press the ► to select XDP Demo.
3. Screen splits for Demo.
4. Press any button for XDP Demo exit.

### PSM (Picture Status Memory)

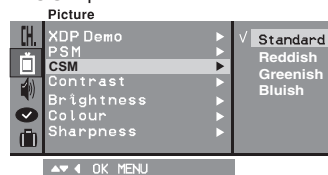
1. Press the PSM button on the remote to change for desired PSM setting.

**Note:** PSM status change to user automatically when contrast, brightness, colour and sharpness set manually.

You can also recall a desired picture (Dynamic, Standard, Mild, Game, or User) with **PSM** button on the remote control. The picture Dynamic, Standard, Mild and Game are programmed for good picture reproduction at the factory and cannot be changed.

### CSM (Colour Status Memory)

1. Press the MENU button and then ▲ / ▼ button to select the Picture menu.
2. Press the ► and ◆ button to select CSM.
3. Press the ► button and then ▲ / ▼ button to select a picture setting on the CSM pull-down menu.

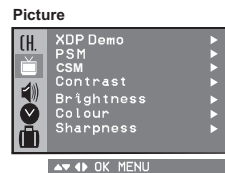


4. Press the OK or ◀ button.
5. Repeatedly press the MENU or ◀ button to return to normal TV viewing.

### Picture adjustment

You can adjust picture contrast, brightness, colour, sharpness and Tint (NTSC input only) to the levels you prefer.

1. Press the MENU button and then ▲/▼ button to select the Picture menu.
2. Press the ► button and then ▲/▼ button to select Contrast, Brightness, Colour, Sharpness or Tint.



3. Press the ◀/▶ button to make appropriate adjustments on each sub menu.



You can also select User or standard PSM setting by directly pressing PSM button.

4. Press the OK button to store it for the picture User.
5. Repeatedly press the MENU or ◀ button to return to normal TV viewing.

## Picture adjustment

### Eye (option)

In some models, the set will automatically adjust the picture according to the surrounding conditions. This will enable you to enjoy the most suitable picture according to the surroundings.

Press the **EYE**/\* button on remote to switch the eye function On or Off.



When the eye function is On, the most suitable picture is automatically adjusted according to the surrounding.

At this time the display ..... in green does not appear continuously but the display ..... in yellow appears each time the picture condition changes.

**Note :** If **PSM** key is pressed or any of the picture setting are varied, then **EYE** automatically switches Off.

### Excellent digital picture selection (option)

When this function is On, picture quality will be enhanced. Repeatedly press the **XDP**/\* button to switch On or Off.

**Note :** If you press the **PSM** or **EYE** /\* button with the **XDP**/\* function, the excellent digital picture function is automatically switched Off.

### ARC

You can watch TV in various picture formats; Normal, Zoom.

Repeatedly press the **ARC** button to select your desired picture format.

#### Normal (4:3)

This picture format is 4 : 3 of general TV.

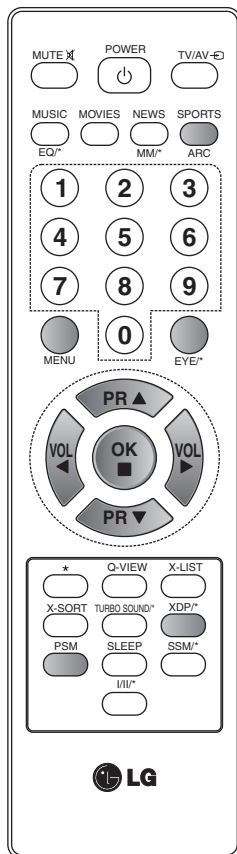
#### Zoom (14:9)

You can enjoy the cinema in a vast screen through the Zoom mode.

The screen 4:3 is magnified to the upper/lower sides so that the screen 16:9 is full. The bottom and top of the picture may be lost.

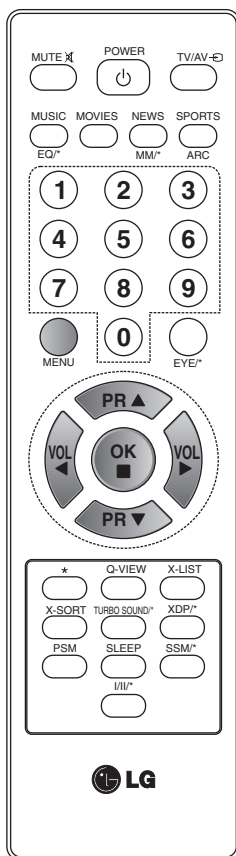
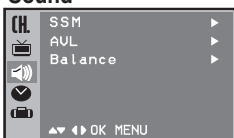
#### Note :

- When you switch the set to **Off**, the **Zoom** picture format is reset to the **Normal (4:3)**.
- This OSD will appear only in English.



## Sound adjustment

### Sound



### Sound adjustment

You can select your preferred sound setting: Flat, Music, Movie, User, Speech and you can also adjust the sound frequency of equalizers and balance.

If you switch AVL (option) to **On**, the set automatically keeps on an equal volume level even if you change programmes.

1. Press the **MENU** button and then **▲/▼** button to select the Sound menu
2. Press the **▶** button and then **▲/▼** button to select the desired sound item; **SSM**, **AVL**, **Balance**.
3. Press the **▶** button in **SSM**  
Press **▲/▼** to select **Flat**, **Music**, **Movie**, **Speech** or **User**.



5 Band (option)



3 Band (option)

- a. Select **User** by pressing the **▶/OK** button.
- b. Select a sound band by pressing the **◀/▶** button.
- c. Make appropriate sound level with the **▲/▼** button.
- d. Press the **OK** button to store it for the sound **User**.  
It will auto store.

To recall your preferred setting press the **SSM/\*** button until the desired sound (**Flat**, **Music**, **Movie**, **Speech** or **User**) appears. The sound **Flat**, **Music**, **Movie**, and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

#### Notes :

1. If you press the **SSM/\*** button after making appropriate adjustment in Sound menu, the display **User** automatically appears even though you have already set a factory preset setting, **Flat**, **Music**, **Movie** or **Speech**.
2. AVL options will not be available in some models.

#### AVL (Auto volume leveler) (option)

IF you select AVL on, set automatically keeps on an equal volume level even if you change programmes.

1. Press the **MENU** button and select the Sound menu.
2. Press the **▶** button and then **▲/▼** button to select AVL.
3. Press the **▲/▼** button to select on or off the AVL pull-down menu.
4. Repeatedly press the **MENU** or **◀** button to return to normal TV viewing.

#### Balance adjustment (option)

You can adjust balance.

1. Press the **MENU** button and select the Sound menu.
2. Press the **▶** button and then **▲/▼** button to select Balance.
3. Make desired adjustment with the **◀/▶** on the Balance pull-down menu.
4. Repeatedly press the **MENU** or **▲/▼** button to return to normal TV viewing.

#### Woofer Gain (option)

select woofer gain from sound menu and press **◀/▶** to adjust woofer gain.

#### Woofer On / Off (option)

Press **GREEN** key on remote to switch Off/On Woofer.



## Sound adjustment

### XD / Turbo Sound (option)

When this function is **On**, it will give surround effect as well as loudness will be increased.

Repeatedly press the **XD/Turbo sound/\*** button to switch **On** or **Off**.

Xd/Turbo Sound on

XD/Turbo Sound Off

XD/Turbo Sound On

XD/Turbo Sound Off

### Stereo/Dual reception (option)

Stereo/dual is an optional function.

When a programme is selected, the sound information for the station appears after the programme number and station name disappear.

Broadcast  
Mono  
Stereo  
Dual

On Screen Display  
**MONO**  
**STEREO**  
**DUAL I**

### Mono sound selection

In stereo reception, if the stereo signal is weak, you can switch to mono by pressing the **I/II/\*** button twice. In mono reception the depth of sound is improved. To switch back to stereo, press the **I/II/\*** button twice again.

### Language selection for dual language broadcast

If a programme received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I+II** by pressing the **I/II/\*** button repeatedly.

**DUAL I** sends the primary broadcast language to the speakers.

**DUAL II** sends the secondary broadcast language to the speakers.

**DUAL I+II** sends a separate language to each speaker.

### Sound output selection (option)

In AV mode, you can select output sound for the left and right speakers. Repeatedly press the **I/II/\*** on remote button to select the sound output.

**L+R** : Audio signal from audio L input is sent to left speaker and audio

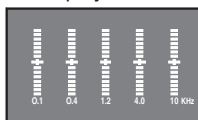
signal from audio R input is sent to right speaker.

**L+L** : Audio signal from audio L input is sent to left and right speakers.

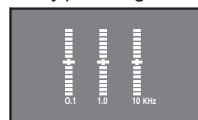
**R+R** : Audio signal from audio R input is sent to left and right speakers.

### Equalizer(option)(Red Button)

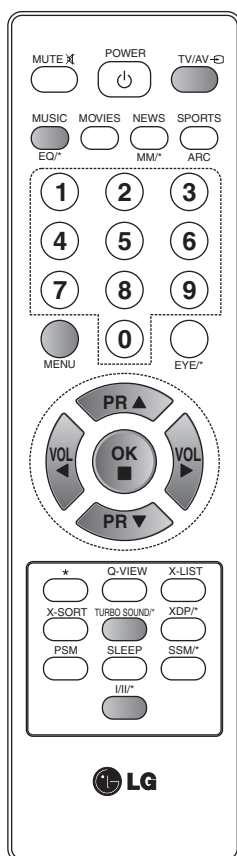
Equalizer is displayed on the screen by pressing red button.



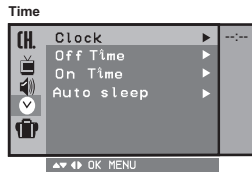
5 Band (option)



3 Band (option)



## Other functions



### Time functions

The time uses 24 hrs. system and must be set to the correct time before operating the set.

1. Press **MENU** and  $\blacktriangle$  to select **time** menu .
2. Press  $\blacktriangleright$  button to select time menu.
3. After selecting 'Time Function' press  $\blacktriangleright$  key to enter 'Time'.
4. Set Time using  $\blacktriangle/\blacktriangleright$  and  $\blacktriangle/\blacktriangledown$  keys.
5. Press **OK** to store.
6. Repeatedly press **MENU** or  $\blacktriangleleft$  to return to normal TV viewing.

### Note :

- a. In the event of power interruption, time will be reset.
- b. Time resets if mains is unplugged.
- c. Timer accuracy is  $\pm 15$  sec.

### On/Off Time

**On/Off** time function is used to automatically On/Off the set at preferred time.

### Off Time

1. Press the **MENU** button and then  $\blacktriangle/\blacktriangledown$  button to select the Time menu.
2. Press the  $\blacktriangleright$  button and then  $\blacktriangle/\blacktriangledown$  button to select **Off Time**.
3. Press **OK**
4. Select and adjust hour and minute by pressing the  $\blacktriangleleft/\blacktriangleright, \blacktriangle/\blacktriangledown$  button.
5. Repeatedly press the  $\blacktriangleleft/\blacktriangleright$  button to select **Off Time**.
6. Press the  $\blacktriangledown$  button repeatedly to set Off Time On /Off.
7. Repeatedly press the **MENU** or  $\blacktriangleleft$  button to return to normal viewing.

### On Time

1. Press the **MENU** button and then  $\blacktriangle/\blacktriangledown$  button to select the Time menu.
2. Press the  $\blacktriangleright$  button and then  $\blacktriangle/\blacktriangledown$  button to select **On Time**.
3. Press **OK**
4. Select and adjust hour and minute by pressing the  $\blacktriangleleft/\blacktriangleright, \blacktriangle/\blacktriangledown$  button.
5. Press the  $\blacktriangleleft/\blacktriangleright$  button to select **On Time**.
6. Press the  $\blacktriangledown$  button repeatedly to set On Time On /Off.
7. Repeatedly press the **MENU** or  $\blacktriangleleft$  button to return to normal viewing.

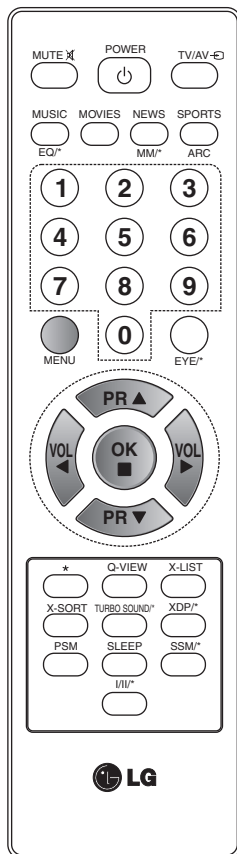
### Auto sleep

If you select **Auto Sleep On** the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops Broadcasting.

1. Press the **MENU** button and then  $\blacktriangle/\blacktriangledown$  button. to select the Time menu.
2. Press the  $\blacktriangleright$  button and then  $\blacktriangle/\blacktriangledown$  button to select Auto Sleep.
3. Press the  $\blacktriangleright$  and  $\blacktriangle/\blacktriangledown$  button to select **On/Off**.
4. Repeatedly press the **MENU** or  $\blacktriangleleft$  button to return to normal TV viewing.

### Note :

- a. *ON time function works only in standby mode.*
- b. *To cancel the set On/Off time, set the On/Off timer off.*
- c. *To view the remaining On/Off time select the Time menu.*
- d. *When you switch the main power Off, the Time is reset and the On/Off time is Off.*
- e. *Timer accuracy is  $\pm 15$  sec.*



## Other functions

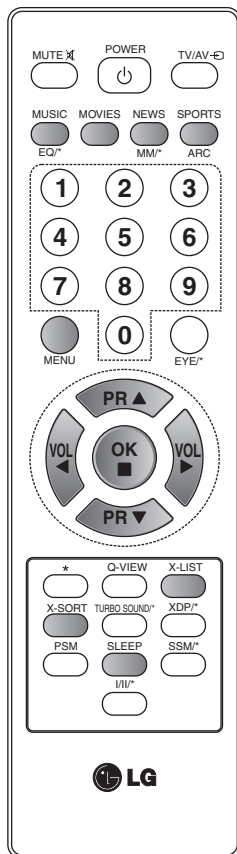
### Sleep timer

You don't have to remember to switch the set Off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.

Press the **SLEEP** button to select the number of minutes. The display 0---- will appear on the screen, followed by 10, 20, 30, 60, 90, 120, 180 and 240. The timer begins to count down from the number of minutes selected.

#### Note :

- To view the remaining sleep time, press the **SLEEP** button once.
- To cancel the sleep time repeatedly press the **SLEEP** button until the display 0---- appears.
- When you switch the set off, the set releases the preset sleep time.



### X-SORT (option)

You can select the different programmes and add them into different categories (Music, Movies, News, Sports).

Press X-SORT button on the remote to switch On/Off the X-SORT function.

X-Sort On Sel: Music

### Adding a program to a desired category

- Press the X- LIST button to display the list of the programme on the screen.
- Use ▲/▼ or ◀/▶ buttons to scrolls between the programmes and then press OK to select the desired programme.
- Press appropriate coloured key to add the selected programme in the desired category. Press again the coloured buttons to FREE the programme from the X-Sort Categories.

#### X-Sort List

10	C	05	15	C	07
11	C	04	16	C	23
12	C	09	17	C	24
13	C	11	18	S	40
14	C	16	19	S	45
FREE					
● MUSIC		● MOVIES			
● NEWS		● SPORTS			

- Red button-For MUSIC programmes category.
- Green button- For MOVIES programmes category.
- Yellow button- For NEWS programmes category.
- Blue button- For SPORTS programmes category.

**If X-Sort is On, Press the coloured key repeatedly to switch to the next programme in the same group.**

#### When X-SORT is On:

MUSIC (RED KEY) : Selects MUSIC channels group.  
 MOVIES (GREEN KEY) : Selects MOVIES channels group.  
 NEWS (YELLOW KEY) : Selects NEWS channels group.  
 SPORTS (BLUE KEY) : Selects SPORTS channels group.  
 PR+/- keys also change the channel for selected group only.

**Note:** X- LIST, X-SORT keys works only in RF mode (TV mode).

## Other functions

### Special



### On screen language selection (option)

The menu can be displayed on the screen in desired language. First select your language.

1. Press the **MENU** button and then  $\blacktriangle/\blacktriangledown$  button to select the Special menu.
2. Press the  $\blacktriangleright$  button and then the  $\blacktriangle/\blacktriangledown$  button to select language in pull down menu.
3. Press OK button.
4. All the On screen displayed will appear in the selected language.
4. Repeatedly press the **MENU** or  $\blacktriangleleft$  Button to return normal TV viewing.

### TV and AV Input (option)

Input can be set to TV or AV mode. AV mode is used when a videocassette recorder (VCR), or other equipment connected to the set.

**Note:** When a VCR is connected via the aerial socket; the set is used in TV mode. See the connection of external equipment' section.

1. Press the menu button and then  $\blacktriangle/\blacktriangledown$  button to select the special menu.
2. Press the  $\blacktriangleright$  button and then  $\blacktriangle/\blacktriangledown$  button to select **Input**.
3. Press the  $\blacktriangleright$  button and  $\blacklozenge$  to select **TV, AV1, AV2** (option), **Component** (option)

**Note:** Avoid giving input at Lout or Rout socket on the back of the set.

To return TV mode, press the  $\blacktriangle/\blacktriangledown$  or **NUMBER** button.

Alternatively you can select th TV or AV mode by pressing the **TV/AV** button on remote or by pressing OK /  $\square$  button on front panel of TV set.

### Child lock

The child lock can be set so that the remote control handset is needed to control. This feature can be used prevent unauthorized viewing.

1. Press the MENU button and the  $\blacktriangle/\blacktriangledown$  button to select the special menu.
2. Press the  $\blacktriangleright$  button and then  $\blacktriangle/\blacktriangledown$  button to select the child lock.
3. Press the  $\blacktriangleright$  and  $\blacktriangle/\blacktriangledown$  button on the remote control handset to select **On**.
4. Repeatedly press the MENU or  $\blacktriangleleft$  button to return to normal TV viewing.

With the lock On, the display Child Lock On appears on the screen if any button on the front panel is pressed while viewing the TV.

**Note:** The display Child Lock On will appear on the screen if any button on the front panel is pressed while displaying the menus.

### Blue Back

If you select On on the blue back pull-down menu, the blue background appears on the screen when there is no or poor signal.

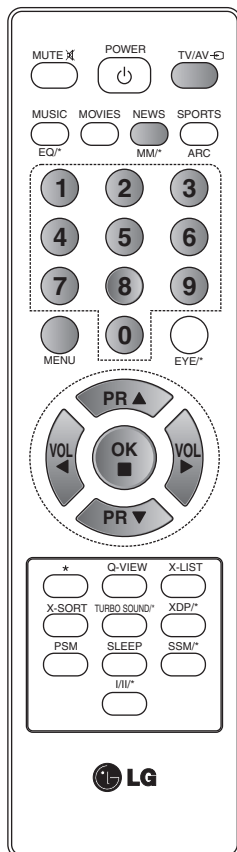
1. Press the MENU button and the  $\blacktriangle/\blacktriangledown$  button to select the special menu.
2. Press the  $\blacktriangleright$  button and then  $\blacktriangle/\blacktriangledown$  button to select the **Blue back**.
3. Press the  $\blacktriangleright$  and  $\blacktriangle/\blacktriangledown$  button on the remote control handset to select **On**.
4. Repeatedly press the MENU or  $\blacktriangleleft$  button to return to normal TV viewing.

### Music Mode (Yellow Button) (option)

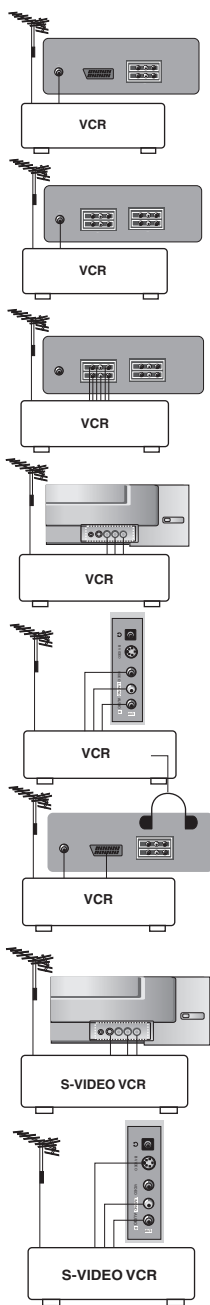
You can hear music while the tv screen is off using this function.

1. Press the yellow button to start the music mode.
2. Press any key to exit from music mode except vol. keys and yellow key.
3. Volume levels can be changed (Vol+/Vol-) in music mode.

Music Mode On



## Connection of external equipment



You can connect additional equipment, such as VCRs, camcorders etc. to your set. Here shown may be some what different from your set.

### Aerial socket

1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on the programme number 0 using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.

### Audio /Video in / out sockets (option)

1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set and in sockets of the VCR to out sockets of the set.
2. If the VCR is connected to the AV sockets on the set, press the **TV/AV** button to select **AV1**, **AV2** (option) or **AV3** (option).
3. Press the **PLAY** button on the VCR. The VCR playback picture appears on the screen.

You can also record programme received by the TV on video tape via audio/video out sockets.

### Euro scart socket (option)

1. Connect the Euro scart socket of the VCR to the Euro scart socket of the set.
2. Press the **PLAY** button on the VCR. If your VCR outputs a switching voltage when connected to Euro scart socket, the set will switch to **AV 1** mode automatically. But if you want to keep on watching TV mode, press the **▲/▼** or **NUMBER** buttons.

Otherwise press the **TV/AV** button on the remote control handset to select **AV1**. The VCR playback picture appears on the screen.

You can also record programme received by the TV on video tape.

**Note :** Signal type RGB, i.e. the signals red, green and blue can only be selected for the Euro scart socket, These signals are transmitted, for example, by a pay TV decoder, game machine or photo CD unit, etc.

### S-video / Audio in sockets (S-AV) (option)

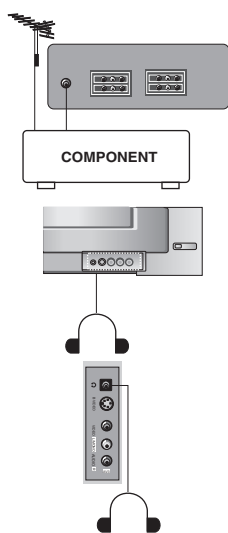
When connecting an S-VIDEO VCR to the S-VIDEO socket, the picture quality will be further improved.

1. Connect the S-VIDEO socket of the VCR to the S-VIDEO socket of the set.
2. Connect the audio cable from the S-VIDEO VCR to the AUDIO sockets of the set.
3. Select **S-VIDEO** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR. The VCR playback picture appears on the screen.

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## Connection of external equipment

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### Component in sockets (option)

1. Connect the COMPONENT video output sockets (Y C<sub>b</sub> Cr/Y P<sub>b</sub> Pr) of the COMPONENT to the COMPONENT INPUT sockets (Y P<sub>b</sub> Pr) on the set.
2. Connect the audio cable from the COMPONENT to AUDIO IN socket of **AV1**.
3. Press the **TV/AV** button to select COMPONENT.
4. Press the **PLAY** button on the COMPONENT.  
The COMPONENT playback picture appears on the screen.

### Headphone socket (option)

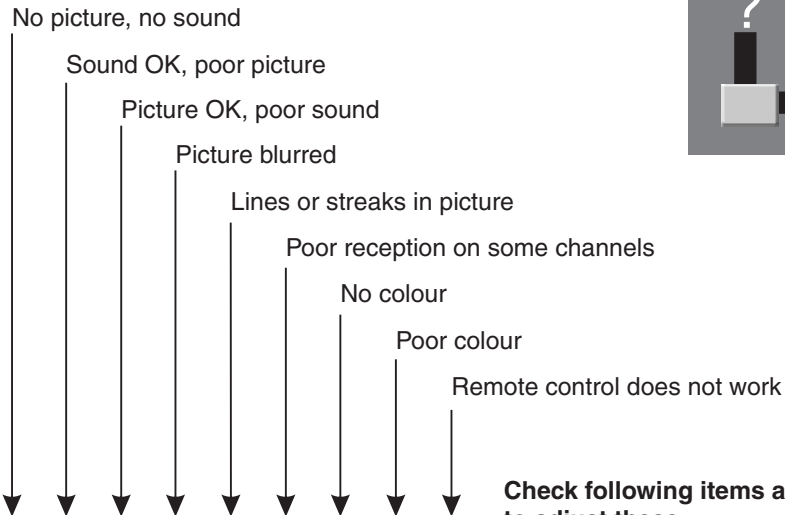
Some models which have a headphone socket can perform this function.

Insert the headphone plug to the headphone socket of the set. You can listen to the sound through the headphone. In this case main speaker sound will cut off. In woofer models when you plug headphone, woofer speaker is **On**.

If you press the **MUTE** button, the sound from the headphone is switched **Off**.

## Troubleshooting check list

### Symptoms



### NOTE :

- i) Colour patch might appear in your TV set if you rotate or shift the position of the set while it is On or in standby mode. If patch appears in your TV set try the following before calling your service centre or dealer. Place the TV set in desired position and switch it Off by the main power switch. Allow the set to cool down for at least 30 minutes and then switch it On. The degaussing circuit (inbuilt) in your set will remove the patch automatically. Please call service only in case this operation does not help.

