

Installation

Power

This set operates on an AC mains supply, the voltage is as indicated on the label on the back cover. Never apply DC power to the set. In the event of thunderstorms or powercuts, please pull out the aerial and mains plugs.

Warning

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

Service

Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug it and call your dealer.

Aerial

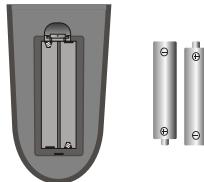
Connect the aerial cable to the socket marked T 75 W on the back cover. For the best reception an outdoor aerial should be used.

Location

Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.

Battery installation

The remote control handset is powered by two AAA/AA type batteries. To load the batteries, turn the remote control handset over and open the battery compartment. Install two batteries as indicated by the polarity symbols (– and +) marked inside the compartment.



Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.

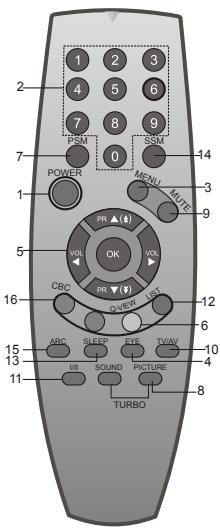
Caution: Please do not use stabilizer with TV set as this set has inbuilt voltage stabilizer. Use of Inferior quality stabilizer may damage the set.

Location and function of controls

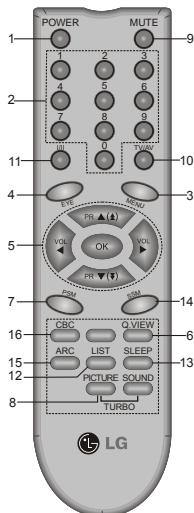
All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote control handset

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



(For AV Stereo)
TYPE-A



(For AV Stereo/Mono)
TYPE-B

- 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.
PR ▲ (▲) switches the set on from standby.
PR ▼ (▼) scans programmes automatically(option).
◀/▶ (Volume Up/Down) adjusts the volume.
OK adjusts menu settings.
OK accepts your selection or displays the current mode.

- 6. Q.VIEW** returns to the previously viewed programme.
selects a favorite programme.

- 7. PSM (Picture Status Memory)** recalls your preferred picture setting.

- 8. TURBO PICTURE/SOUND BUTTON (option)** selects Turbo picture and sound.

- 9. MUTE** switches the sound on or off.

- 10. TV/AV** selects TV or AV mode.
clears the menu / text from the screen. switches the set on from Standby.

- 11. I/II/* (option)** selects the language during dual language broadcast (option).
selects the sound output.

- 12. LIST** displays the programme table.
press TV/AV to clear the LIST table from the screen.

- 13. SLEEP** sets the sleep timer.

- 14. SSM/*(option) (Sound Status Memory)** recalls your preferred sound setting.

- 15. ARC (option)** change picture format (zoom/wide/standard)

- 16. CBC/*(option)** calibrated bass control.

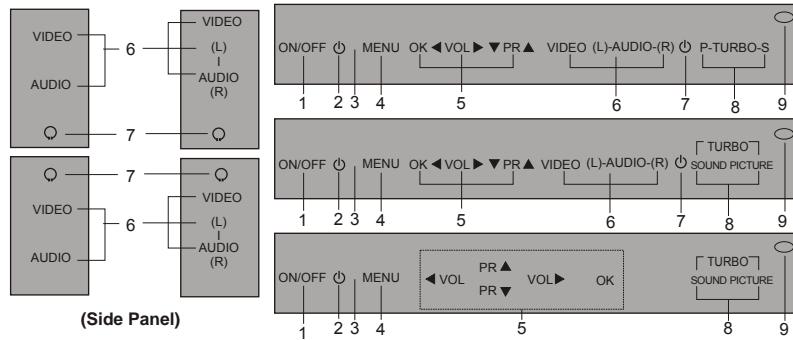
COLOURED BUTTONS : These buttons are used for programme edit.

Remarks : Some keys in remote can be non-functional, these keys are use in other models.

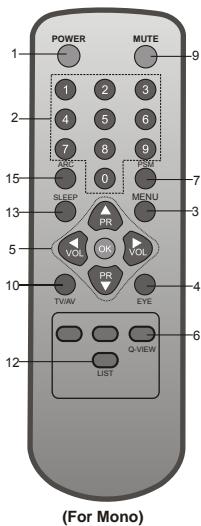
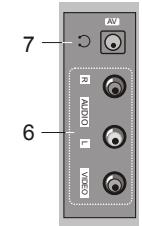
Location and function of controls

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

Front panel



**RF-21FC80Q/E
RF-21FC81Q**



(For Mono)

- 1. MAIN POWER (ON/OFF)**
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.
blinks when signal is input from the remote control.

- 3. REMOTE CONTROL SENSOR**

- 4. MENU**
selects a menu.

- 5. OK**
Accepts your selection or displays the current mode.
◀/▶ (Volume Up/Down)
adjusts the volume.
adjusts menu settings.
▲/▼ (Programme Up/Down)
selects a programme or a menu item.
switches the set on from standby.

- 6. AUDIO/VIDEO IN SOCKETS (AV) (option)**
Connect the audio/video out sockets of external equipment to these sockets.

- Note:** a. If audio input is only L or R select L+L or R+R through **I/I*** key on remote control.
b. Front AV and rear AV not to be used simultaneously.

- 7. HEADPHONE SOCKET (option)**
Connect the headphone plug to this socket.

- 8. TURBO SOUND/PICTURE (option)**
switches Turbo sound or Turbo picture on or off.

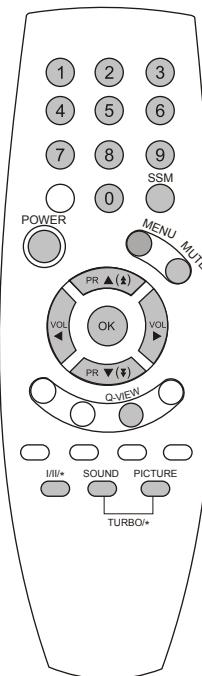
- 9. EYE (option)**
adjusts picture according to the surrounding conditions.

Basic operation

On and off

1. Press the main power button to switch the set on.
2. If the set is in standby mode, press the POWER, ▲/▼, TV/AV 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 : If, while the set is switched on, the mains plug is disconnected the set will switch to standby or power on when the mains plug is replaced in the mains power socket.



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 programme you were watching.

Note : This function works only when Favorite programme is set to Off. Otherwise each press of this button will select a stored favorite 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/*, TURBO SOUND button.

Auto Demonstration (option)

To review all the menus programmed in the set, press the OK button of the front panel control for about 5 seconds. To stop auto demonstration, press any button of the front panel control or POWER button of the remote control.

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 to select the Station menu.
2. Press the ▶ button and then ▲/▼ button to select Language.
3. Press the ▶ button and then ▲/▼ button to select your desired language.
All the on screen displays will appear in the selected language.
4. Press the TV/AV button to return to normal TV viewing.

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.

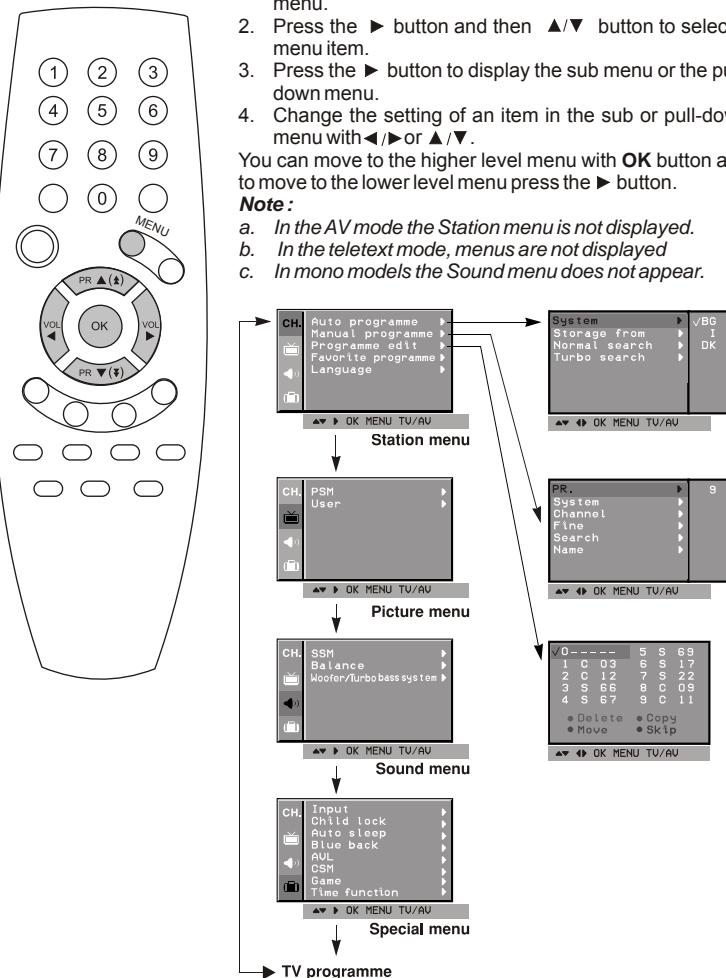
Menu selection

1. Repeatedly press the **MENU** 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 **▲/▼**.

You can move to the higher level menu with **OK** button and to move to the lower level menu press the **►** button.

Note:

- a. In the AV mode the Station menu is not displayed.
- b. In the teletext mode, menus are not displayed
- c. In mono models the Sound menu does not appear.



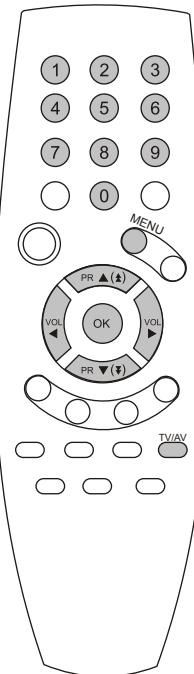
Note : In sound menu woofer/turbo bass system is optional.

Setting up TV stations



Up to 200 stations 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. Stations can be tuned using automatic or manual modes.

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



Auto programme tuning

All stations that can be received are stored by this function. It is recommended that you use auto programme tuning after installation of this set.

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

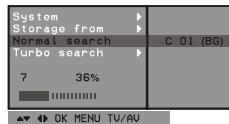
System Storage from Normal search Turbo search	▶ VBG ▶ I ▶ DK
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◀ ▶ OK MENU TU/AU

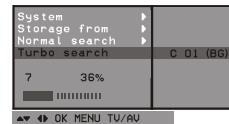
4. Press the Δ/∇ button to select System. Select a TV system with the Δ/∇ button on the System pull-down menu;
BG : (Asia/New Zealand/M.East/Africa/Australia)
I : (Hong Kong/South Africa)
DK : (East Europe/China/Africa/CIS)
M : (USA/Korea/Philippines)
 5. Press the Δ/∇ button to select Storage from.
 6. Select the beginning programme number with the $\blacktriangle/\blacktriangleright$ 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.
 7. Press the Δ/∇ button to select Normal or Turbo search.

Note:

- a. Turbo search is further faster than Normal Search and in some models, these searches will automatically store all receivable stations.
 - b. If the programmed station has poor quality sound, select the system again in the Manual programme menu.



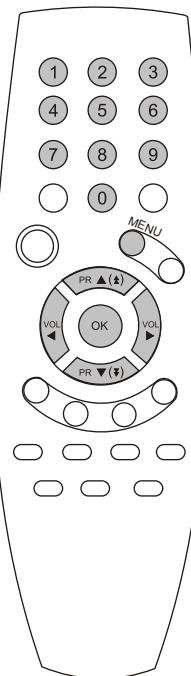
(Normal search)



(Turbo search)

- 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.
 - Press the **TV/AV** button to return to normal **TV** viewing.

Setting up TV stations



Auto programme scan (option)

To automatically scan the pictures of stored programmes, press the **▲** (↑) or **▼** (↓) button for about 3 seconds. The picture of stored programmes appears on the screen one by one.

To stop auto programme scanning, press any button.

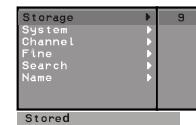
Manual programme tuning

Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each programme number.

1. Repeatedly press the **MENU** button to select the Station 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 System. Select a TV system with the **▲/▼** button on the System pull-down menu;
BG : (Asia/New Zealand/M.East/Africa/Australia)
I : (Hong Kong/South Africa)
DK : (East Europe/China/Africa/CIS)
M : (USA/Korea/Philippines)
5. Press the **▲/▼** button to select Channel. Press the **▲/▼** button 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
6. Press the **▲/▼** button to select Search. Press the **◀/▶** button to commence searching on the Search pull-down menu. If a station is found the search will stop.
7. 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.
8. Press the **OK** button to store it. The display Stored will appear.



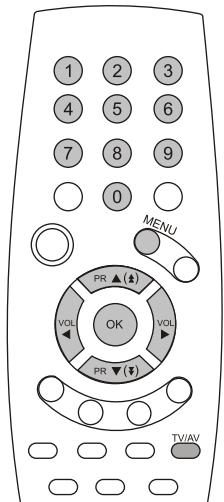
9. To store another station, repeat steps 4 to 8.

Assigning a station 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, and so on.
5. Repeat the 'Manual programme tuning' steps 7 to 8.



Setting up TV stations



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.



4. Repeat the 'Manual programme tuning' steps 7 to 8.
5. Press the **TV/AV** button to return to normal TV viewing. The finely tuned programme will be indicated by red number during programme selection.
6. Change of "▶▶▶" from Yellow to red indicates tuning is proper.



Programme edit

This function enables you to delete or skip the stored programmes. Also you can move some stations to other programme numbers or insert a blank station data into the selected programme number.

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



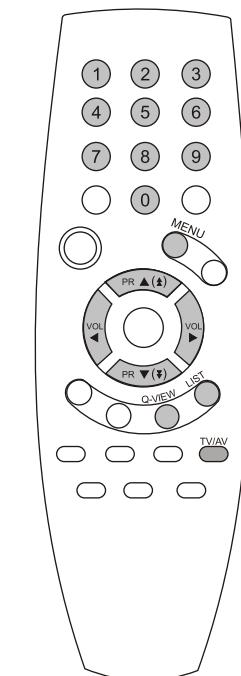
Deleting a programme

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.



Setting up TV stations

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.

0	---	5	S	68
1	C	03	S	17
2	C	12	S	22
3	S	66	B	C 09
4	S	67	S	C 11

● Move

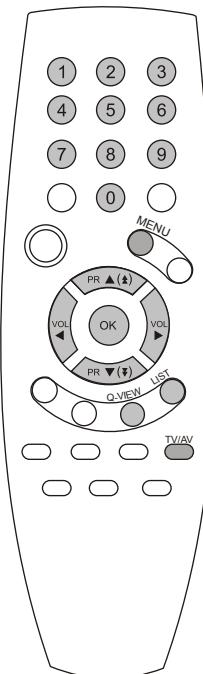
◀ ▶ OK MENU TU/AU

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 table menu.

Press the **TV/AU** button to return to normal TV viewing.



Favorite programme

This function lets you select your favorite programmes directly.

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

CH.	Auto programme	►
	Manual programme	►
	Programme edit	►
	Favorite programme	►
	Language	►

▼ Off

56 C 05

◀ ▶ OK MENU TU/AU

4. Press the **▲/▼** button to select
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 5 programmes.
7. Press the **TV/AU** button to return to normal TV viewing. Repeatedly press the **Q. VIEW** button to select stored favorite programmes.

Calling the programme table

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

Displaying programme table

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

Setting up TV stations

0 -----	5	5	6	9
1 C 03	6 S 17			
2 C 12	7 S 22			
3 S 66	8 C 09			
4 S 67	9 C 11			

Note :

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

Selecting a programme in the programme table

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

Paging through a programme table

There are 20 programme table pages in which contain 200 programmes.

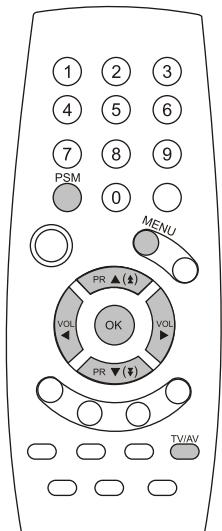
Pressing the **▲/▼** or **◀/▶** button repeatedly turns the pages. Press the **TV/AV** button to return to normal TV viewing.

Picture adjustment



PSM (Picture Status Memory)

- Repeatedly press the **MENU** button to select the Picture menu.
- Press The **▶** button and then **▲/▼** button to select PSM.
- Press the **▲/▼** button to select a picture setting on the PSM pull-down menu.



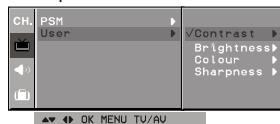
- Press the **TV/AV** button to return to normal TV viewing.

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.

Picture adjustment

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

- Repeatedly press the **MENU** button to select the Picture menu.
- Press the **▶** button and then **▲/▼** button to select User.
- Press the **▲/▼** button to select the desired picture item on the User pull-down menu.

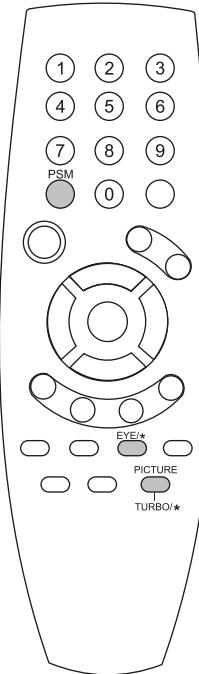


Picture adjustment

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



▲ ▶ OK MENU TU/AU



You can also select other User items directly with **▲/▼** button and adjust them with **◀/▶** button.

5. Press the **OK** button to store it for the picture User.
6. Press the **TV/AV** button to return to normal TV viewing.

Eye (option)

On 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 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 conditions.

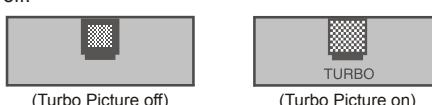
At this time the display..... in green does not appear continuously but the display.....in yellow appears each time the picture condition changes.

Note : If you press the **PSM** or **TURBO PICTURE** button with the eye function, the eye function is automatically switched off.

Turbo picture selection (option)

When this function is on, picture will be more brilliant and distinct picture than normal picture. You can enjoy the Turbo picture so much better than normal picture.

Repeatedly press the **TURBO PICTURE** button to switch on or off.



Note : If you press the **PSM** or **EYE/*** button with the Turbo picture function, the Turbo picture function is automatically switched off.

Picture Format (option)

You can watch TV in various picture formats; Standard, Wide, Zoom. Repeatedly press the **ARC** button to select your desired picture format.

Standard

This picture format is 4 to 3 of general TV.

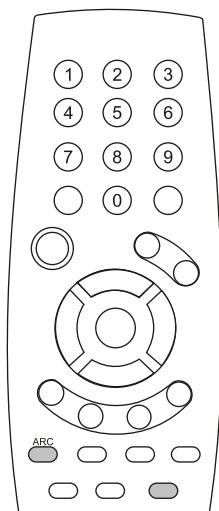
Wide

You can enjoy the cinema wide the picture format of wide or general TV program through the mode. In AV mode wide function does not work.

Zoom

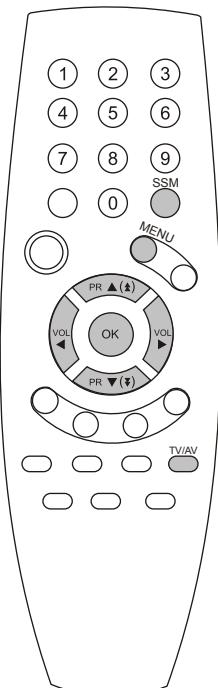
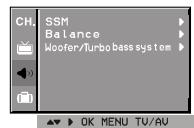
You can enjoy the cinema in vast screen through the Zoom mode. The screen 4:3 is magnified to the upper/lower sides so that the screen 16:9 is full. The bottom and top of the picture may be lost.

Note : When you switch the set to standby or off, the wide or Zoom picture format is reset to the Standard (4:3).



Sound adjustment (option)

Sound menu



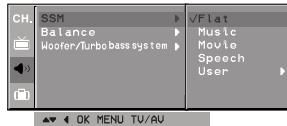
Sound menu



SSM (Sound Status Memory)

You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer.

- Repeatedly press the **MENU** button to select the Sound menu.
- Press the **▶** button and then **▲/▼** button to select SSM.
- Press the **▲/▼** button to select a sound setting on the SSM pull-down Menu.



Sound Frequency Adjustment

- Press the **▶** button in User to display the User sub menu.
- Select a sound band by pressing the **◀/▶** button.
- Make appropriate sound level with the **▲/▼** button.



- Press the **OK** button to store it for the sound **User**.
The display **Stored** appears.

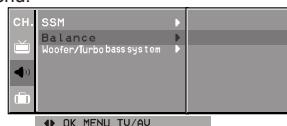
Press the **TV/AV** button to return to normal TV viewing.
You can also recall a desired sound (Flat, Music, Movie, Speech or User) with **SSM/*** button on the remote control. The sound Flat, Music, Movie and Speech are programmed for good sound reproduction at the factory and cannot be changed.

Note : If you press the **SSM/*** button after making appropriate adjustment on the User sub menu, the display **User** automatically appears even though you have already set a factory preset setting; Flat, Music, Movie or Speech.

Balance adjustment

You can adjust balance.

- Repeatedly press the **MENU** button to select the Sound menu.
- Press the **▶** button and then **▲/▼** button to select Balance.
- Make desired adjustment with the **◀/▶** on the Balance pull-down menu.



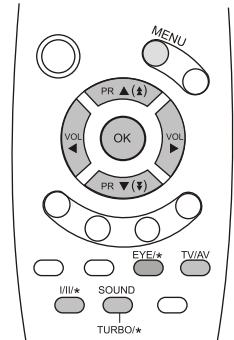
- Press the **TV/AV** button to return to normal TV viewing.

Woofer/Turbo Bass System on/off (option)

You can turn woofer/turbo bass system on/off

- Press **MENU** button repeatedly to select sound menu.
- Press the **▶** button and then **▲/▼** button to select woofer/turbo bass system.
- Press the **▶** button and turn woofer/turbo bass system **On** or **Off** by pressing **▲/▼** button.
- Press **OK** button to store current status.
- Press the **TV/AV** button to return to normal TV viewing.

Sound adjustment (option)



Turbo sound selection (option)

When this function is on, sound will be more emphasized and amplified sound than normal sound. You can enjoy the Turbo Sound so much better than normal Sound. Repeatedly press the **TURBO SOUND** button to switch on or off.



CBC (Calibrated Bass Control) (Option)

By using this function you can adjust the desired bass level.

Sound output selection

In AV mode, you can select output sound for the left and right loudspeakers.

Repeatedly press the **III/*** button to select the sound output.

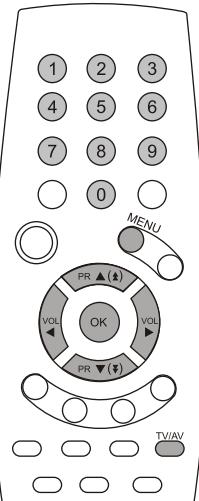
L+R : Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loudspeaker.

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

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

Note : In sound menu woofer/turbo bass system is optional

Other functions



TV and AV modes

Inputs can be set for TV or AV mode. AV mode is used when a video cassette recorder (VCR), or other equipment is 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. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **►** button and then **▲/▼** button to select Input.
3. Press the **▲/▼** button to select TV/AV (option) on the Input pull-down menu.



AV : VCR connected to the Euro scart socket or AV sockets on the set.

Note: a. If audio input is only L or R select L+L or R+R through **III/*** key on remote control.
b. Front AV and rear AV not to be used simultaneously.

To return to TV mode, press the **▲/▼** or **NUMBER** buttons.

Alternatively you can select the TV or AV mode by pressing the **TV/AV** button.

Other functions

Auto AV switching (option)

If your VCR outputs switching voltage when it is switched to playback with the VCR connected to the Euro scart socket. The set is automatically switched to AV mode when an AV signal is input. But if you want to keep on watching TV mode, press the **▲/▼** or **NUMBER** buttons.

Press the **TV/AV** button to return to AV modes.

Child lock

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

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **►** button and then **▲/▼** button to select Child lock.
3. Press the **▲/▼** button to select On or Off on the Child lock pull-down menu.
4. Press the **TV/AV** 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 not appear on the screen if any button on the front panel is pressed while displaying the menus.

Auto sleep

If you select On on the Auto sleep pull-down menu, the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops broadcasting.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **►** button and then **▲/▼** button to select Auto sleep.
3. Press the **▲/▼** button to select On or Off on the Auto sleep pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

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.

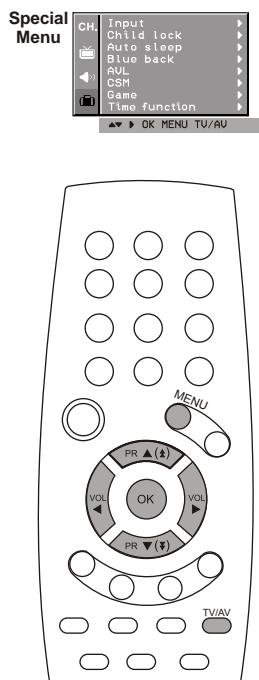
1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **►** button and then **▲/▼** button to select Blueback.
3. Press the **▲/▼** button to select On or Off on the Blue back pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

Note : a. The blue background automatically appears on the screen when there is no signal in TV mode.
b. If any OSD appears on screen, blue back will go off.

AVL(Auto Volume Leveler)

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

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **►** button and then **▲/▼** button to select AVL.



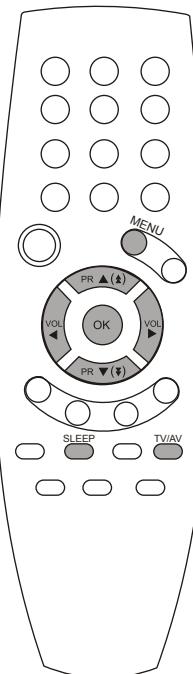
Other functions

3. Press the **▲/▼** button to select On or Off on the AVL Pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

CSM (Colour Status Memory)

You can select the picture colour status; standard, reddish, greenish or bluish, as you prefer.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **▶** button and then **▲/▼** button to select CSM.
3. Press the **▲/▼** button to select Standard, Reddish, Greenish or Bluish on the CSM pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.



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 **00:--** will appear on the screen, followed by 00:10, 00:20, 00:30, 01:00, 01:30, 02:00, 03:00 and 04:00. The timer begins to count down from the number of minutes selected.

Note :

- a. To view the remaining sleep time, press the **SLEEP** button once.
- b. To cancel the sleep time repeatedly press the **SLEEP** button until the display **00:--** appears.
- c. When you switch the set off, the set releases the preset sleep time.

Game (option)

1. Repeatedly press the **MENU** button to select the Special menu
2. Press the **▶** button and then **▲/▼** button to select Game.
3. Press the **▶** button to enter the game mode.
4. Press the **◀/▶** button to select the game 1 or 2 and then press the **OK** button.
5. Press the **◀/▶** button to select a level and then press the **OK** button.

1. BLOCK

6. Press the **▲/▼** button to select a block to shoot or to dump. Press the **◀** button to shoot the block aiming same color one or press the **▶** button to dump it. Remove all the blocks on the screen with given blocks, whose remained number is displayed on the right bottom of the screen. If you use up all the given blocks or the dumped blocks are accumulated to the end, you lose.

2. BALLOON

6. Press the **▲/▼** button to move the arrow. Press the **◀** button to shoot an arrow aiming balloon only. The numbers of balloons you should hit and you have hit are displayed on the right bottom of the screen. If you miss a balloon, it will be accumulated and you lose the space to move the arrow as much as the accumulated balloon. If the missed balloons or the hit bricks are accumulated to the end, you lose.

Note :

- a. Press the **TV/AV** or **MENU** button to return to the normal TV viewing.
- b. If you want a new game, press the **RED** button to start.
- c. This game mode can be operated only by the remote control.

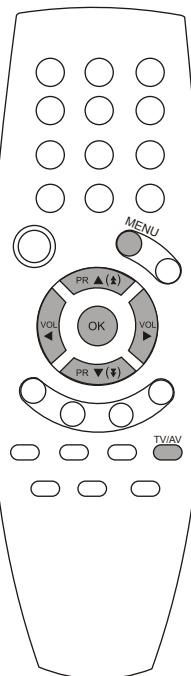
Other functions

LG CLIMB (option)

As on throwing a dice you get a random number in between 1 & 6, similarly there are six blocks in the game. After selecting a block (by pressing ▲ / ▼ buttons) when you press OK it will display the random number contained in the blocks and your current position will be incremented by that number. (The block selection will reset by itself and go to first block.)

On reaching red position you go down by certain Points and on reaching green button your position will be incremented by certain points. The colour of cursor is yellow and it indicates your Present Position. Maximum attempts are 25 and on reaching 99 you will win.

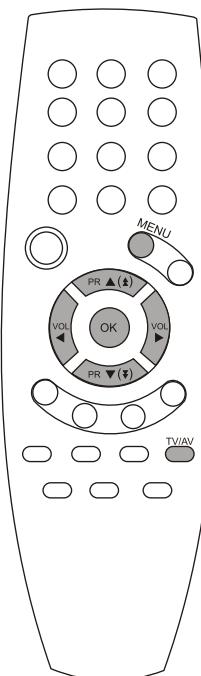
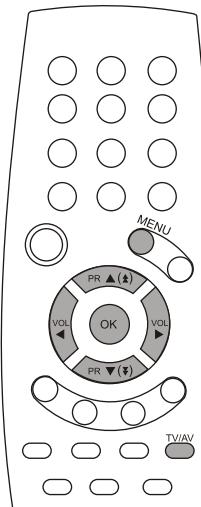
1. Press ▲ / ▼ button to move from one block to others.
2. Press **OK** to select the block.
The selected block number will be added to your present cursor point.
3. Repeat steps 1 and 2 until you reach position 99 within 25 attempts.
4. Press GREEN button to restart the game.



Cricket & Car racing (option)

1. Repeatedly press the **MENU** button to display MENU 4
2. Press the ▲/▼ button to select GAME.
3. Press the **OK** Button enter the game mode.
4. Press the ▲/▼button to select to select the game 1 or 2, then press the **OK** button.
 - 1. Cricket**
 5. Press the ▲/▼ button to selected a number of overs to play, then press the **OK** button.
 6. Press the ▲/▼ button to select your team, then press the **OK** button
 7. press the ▲/▼ button to select a computer team, then press the **OK** button.
 8. Press the ▲/▼ button select your a uniform colour of your team then press the **OK** button.
 9. Press the ▲/▼ button to select the HEADS or TAILS, then press the **OK** button.
 10. Press the ▲/▼ button to select BATTING or FIELDING, then press the **OK** button.
 11. Press the ▲/▼button to select a bowler type, then press the **OK** button to the start the game.
For fielding, first select a ball type with the ▲/▼button and then press the **OK** button. Secondly select a bowl direction with the ▲/▼/◀/▶ button and then press the **OK** button to throw the ball. For batting, select a hitter position with the ▲/▼ button and then press the **OK** button to hit the ball. After hitting the ball, control the hitter with the ▲/▼ button.
 - 2. Car racing**
 5. Press the ▲/▼ button to select a round, then the **OK** button to start the game.
control the car with the ▲/▼/◀/▶ button.

Other functions



Remote control for game (option)

This remote control is optional supply. If it's supplied to you, use it when playing the game.

POWER : switches the set on from standby or off to standby.

MUTE : switches the sound on off.

TV/AV : exit game mode.

MUTE : display game menu and exit game mode.

PR ▲/▼/VOL ▲/▼ OK ■ : controls the game in the same way as main remote do.

Note:

- Press the **TV/AV** or **MENU** button to return to the normal TV viewing.
- If you want a new game, press the **RED** button to start on main remote or press **OK** button on the game remote.
- Remote handset (main remote or game remote) should be used for operating game function.

Time functions

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

- Press **MENU** to select special menu.
- ◀/▶ and ▲/▼ key select time function.
- After selecting 'Time Function' press ▶ key to enter 'Time'.
- Set Time using ▲/▶ and ▲/▼ keys.
- Press **OK** to store.
- Press **TV/AV** to return to normal TV viewing.

Note:

- In the event of power interruption, time must be reset.
- And Time can be reset by switching main power **OFF**.

ON Time

- After entering 'TIME FUNCTION' select 'ON TIME' with ▲/▼ and ▲/▶ key.
- SET ON TIME (Hrs : Min) PR NO, VOL level with ▲/▶ and ▲/▼ keys. Also set 'ON TIME' in ON condition with ▲/▼ and ▲/▶ keys to activate the 'ON TIME'.

Off Time

- After entering 'TIME FUNCTION', select 'OFF TIME' with ▲/▼ and ▲/▶ key.
- Set 'OFF TIME' using ▲/▼ and ▲/▶ keys.
- Set 'OFF TIME' 'ON' using ▲/▼ and ▲/▶ keys to activate 'OFF TIME'.

Program surfing

The set automatically switches to a preset program at or preset time. You must set the time correctly before using this function.

- After entering 'TIME FUNCTION' select PROGRAM SURFING using ▲/▼ and ▲/▶ keys.
- Using ▲/▼ and ▲/▶ keys set PROGRAM SURFING 'ON'
- Using ▲/▶ and ▲/▼ keys select the desired Program No. and time.
- Press **OK** and the **TV/AV** for normal viewing.

Other functions

Note:

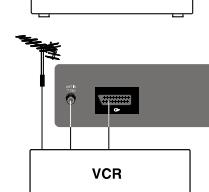
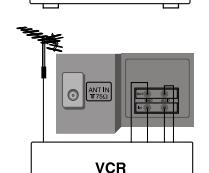
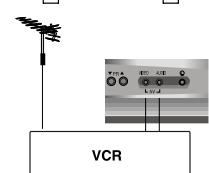
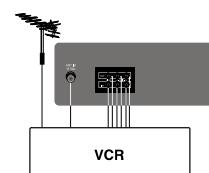
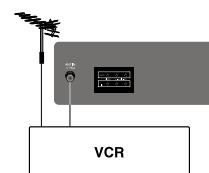
- a. If the same time is set for the on time and the off time then off time operates.
- b. The set must be put in to standby mode with the POWER button on the remote control to operate the on time functions.
- c. Two hrs after the set is switched ON by ON TIME function it will automatically switch back to stand by mode unless a button has been pressed.
- d. Once the on or off time is set, these functions operate daily at preset time, if time is set.

Connection of external equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Here shown may be somewhat 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 a desired programme number 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 AV.
3. Press the PLAY button on the VCR.

The VCR playback picture appears on the screen.
You can also record programmes received by the TV on video tape via audio/video out sockets.

Note: a. If audio input is only L or R select L+L or R+R through **MIX** key on remote control.
b. Front AV and rear AV not to be used simultaneously.
c. If you have a mono VCR, connect the audio cable from the VCR to the AUDIO (L/MONO) socket on the back of the set.

WOOFER OUT (option)

1. Sw1
 2. Sw2
 3. Woofer
 4. NC
- First three are the woofer out sockets, insert the woofer connectors to these sockets. (whichever is available)
NC means no connection. Woofer connector not to be inserted in this socket.

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 connect to Euro scart socket, the set will switch to AV 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 AV. The VCR playback picture appears on the screen.
You can also record programmes received by the TV on video tape.

Connection of external equipment

Component in sockets (option)

1. Connect the COMPONENT video output sockets (Y Cb Cr, Y Pb Pr or Y B-YR-Y) of the COMPONENT (480) to the COMPONENT INPUT sockets (Y PB PR) on the set.
2. Connect the audio cable from the COMPONENT to AUDIO sockets of COMPONENT INPUT.
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)

In 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. To adjust the headphone volume, press the **◀/▶** button.

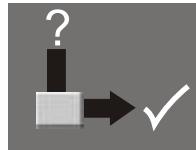
If you press the **MUTE** button the sound from the headphone and TV's speakers are switched off.

Note: When you are using head phone switch **Off** the **woofer** by woofer **on/off** functions.

Troubleshooting check list

Symptoms

- No picture, no sound
- Sound OK, poor picture
- Picture OK, poor sound
- Picture blurred
- Lines or streaks in picture
- Poor reception on some channels
- No colour
- Poor colour
- Remote control does not work



Check following items and try to adjust these

- The mains plug-(plugged in and switched on)
- Is the TV switched on
- Try another channel (weak signal)
- Check aerial (plugged into TV?)
- Check aerial (broken lead?)
- Check aerial
- Check for local interference
- Adjust contrast
- Adjust brightness
- Adjust colour
- Adjust volume
- Check the batteries in remote control
- Check Audio/Video sockets (VCR only)

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 atleast 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.
- ii) In case of no sound on all channels, check for system. It should be 'BG' for India. In case of some other system select 'BG' and do Auto Programming.