LG

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 infor-
mation to your dealer when you require service.

Model number   :
Serial number   :

Contents

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.
Press the **POWER** button on the front panel or side panel to turn off the TV when the TV set is not being used for a long time.It is recommended to remove the plug from the wall outlet(Power point).

Disconnecting device from mains
Mains plug is the disconnecting device. The plug must remain readily operable.

Warning
To prevent fire or shock hazard, do not expose the set to rain or moisture.
Do not place anything containing liquid on top of the set, this may cause a fire or could give an electric shock.

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 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.

Note:
To remove dirt or fingerprint on the surface of your TV, please rub with a line-free cloth supplied in the accessory.Do not pose too much pressure in cleaning so as to prevent any risk of damage to the product.

Connection of external equipment

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.
2. If the VCR is connected to the AV sockets on the set, press the **TV/AV** button to select **AV** (or **AV1**), or **AV 2**.
3. Press the **PLAY** button on the VCR.
   You can also record programmes received by the TV on video tape via audio/video out sockets.

Component in sockets (option)
1. Connect the COMPONENT video output sockets (Y Cb Cr, Y Pb Pr or Y B-Y R-Y) of the DVD player to the COMPONENT INPUT sockets (Y Pʙ Pʀ) on the set.
2. Connect the audio cable from the DVD player to AUDIO IN sockets of **AV** (or **AV1**).
3. Press the **TV/AV** button to select **COMPONENT**.
4. Press the **PLAY** button on the DVD player.
   The COMPONENT playback picture appears on the screen.

Headphone socket (option)
You can listen to the sound through the headphones. To adjust the headphone volume, press the ◄ / ► button.
If you press the **MUTE** button, the sound from the headphone's is switched off.

Location and function of controls

Front panel
- **MAIN POWER (ON/OFF)**
  switches the set on or off.
- **POWER/STANDBY INDICATOR**
  illuminates brightly when the set is in standby mode.
  dims when the set is switched on.
- **REMOTE CONTROL SENSOR**
  Note : Only use the supplied remote control handset. (When you use others, they will not be able to function.)

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

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.

1. **POWER**
   switches the set on from standby or off to standby.
2. **NUMBER BUTTONS**
   switches the set on from standby or directly select a number.
3. **MENU**
   selects a menu.
4. **▲ / ▼ (Programme Up/Down)**
   selects a programme or a menu item.
   switches the set on from standby.
   scans programmes automatically.
   ◄ / ► (Volume Up/Down)
   adjusts the volume.
   adjusts menu settings.
   OK
   accepts your selection or displays the current mode.
5. **SLEEP**
   sets the sleep timer.
6. **FAVOURITE**
   selects a favorite programme.
7. **EYE/✱ (option)**
   switches the eye function on or off.
8. **MUTE ✕**
   switches the sound on or off.
9. **TV/AV ↩**
   selects TV or AV or Component mode.
   switches the set on from standby.
   exits the Teletext mode.
10. **I/II/✱**
    selects the language during dual language broadcast.
    selects the sound output (option).
11. **Q.VIEW (or YELLOW)**
    returns to the previously viewed programme.
12. **LIST (or BLUE)**
    displays the programme table.
✱ : No function
COLOURED BUTTONS : These buttons are used for teletext
(only TELETEXT models) or programme edit.
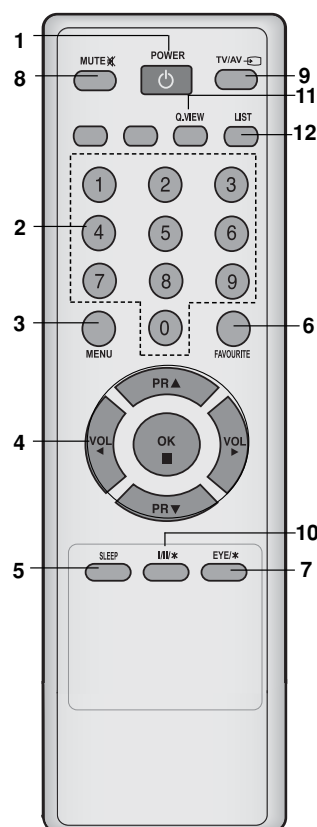
Battery installation
The remote control handset is powered by AAA type batteries. To
load the batteries, turn the remote control handset over and open
the battery compartment. Install batteries as indicated by the polar-
ity symbols (⊕ and ⊖) marked inside the compartment.
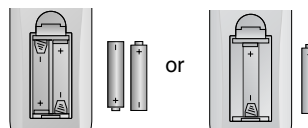
Note : *To avoid damage from possible battery leakage, remove the*
batteries if you do not plan to use the remote control handset for an
extended period of time.

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.

Q.VIEW (or YELLOW)

Press the **Q.View (or YELLOW)** button to view the last programme you were watching.

Mute function

Press the **MUTE** button. The sound is switched off and the display ⚍ appears.
You can cancel it by pressing the **MUTE**, ◄ / ►, **I/II/**★(option), button.

On screen language selection

The menu can be displayed on the screen in desired language. First select your language.
1. Press the **MENU** button and then ▲ / ▼ button to select the Special menu.
2. Press the ► 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.
   Press the **OK** or ◄ button to select the Special menu.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

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.*

   AV1 : VCR connected to the Euro scart socket or **AV IN 1** sockets on the set
   AV2 : VCR connected to the **AV IN 2** sockets on the set(option).
   COMPONENT : DVD Player connected to the **COMPONENT** sockets on the set (option).

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

In AV mode, to return to TV mode, press the ▲ / ▼ or NUMBER buttons.

Monitor Out

Note: If you connect **VIDEO IN** jack to the TV that is displayed **COMPONENT** mode, the second TV or the monitor displays **AV IN** mode. In TV mode, only audio L(mono) out is available.

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**(or **AV1**) 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.
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.

Degaussing (option)

Due to the super large Tube in the set. The colour purity of the picture may be affected by other magnetic influences such as speakers. Stripes may appear on the screen or there may be colour patches.

Note : *If you cannot adjust the screen condition by degaussing, try it again after about 4 minutes.*

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.
Repeatedly press the **SLEEP** button to select the number of minutes. The display ⏻- - 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 :
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 ⏻ - - - appears.*
c. *When you switch the set off, the set releases the preset sleep time.*

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 the ◄ / ► or ▲ / ▼.
   You can move to the higher level menu with the **OK** or ◄ button and to move to the lower level menu press the ► button.
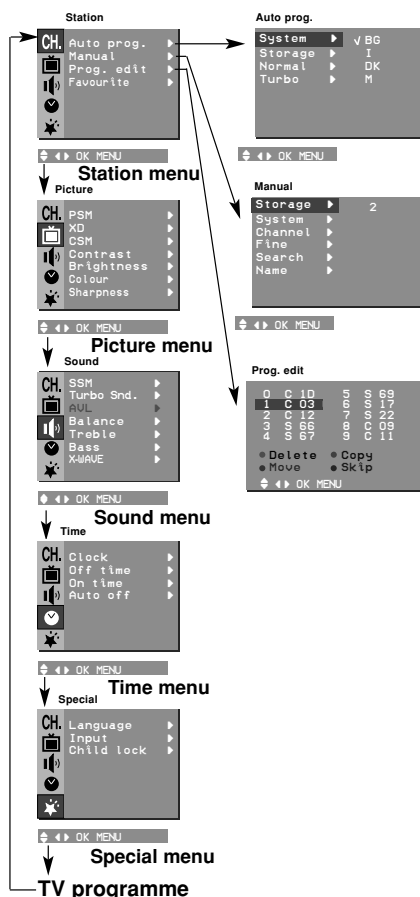
Note :
a. In the teletext mode, menus are not displayed.
*b. In some models, **Turbo Snd.**, **AVL**, **Balance**, **X-WAVE** or **Treble**, **Bass** will not display in the Sound menu.*
*c. In some models, **Language**, **Game** will not display in the Special menu..*

Station

CH.	Auto prog.	►
	Manual	►
	Prog. edit	►
	Favourite	►

‡ ◄► OK MENU

Station menu

Auto prog.

System	►	√ BG
Storage	►	I
Normal	►	DK
Turbo	►	M

‡ ◄► OK MENU

Picture

CH.	PSM	►
	XD	►
	CSM	►
	Contrast	►
	Brightness	►
	Colour	►
	Sharpness	►

‡ ◄► OK MENU

Picture menu

Manual

Storage	►	2
System	►	
Channel	►	
Fine	►	
Search	►	
Name	►	

‡ ◄► OK MENU

Sound

CH.	SSM	►
	Turbo Snd.	►
	AVL	►
	Balance	►
	Treble	►
	Bass	►
	X-WAVE	►

◄ ◄► OK MENU

Sound menu

Prog. edit

0	C 1D	5	S 69
1	C 03	6	S 17
2	C 12	7	S 22
3	S 66	8	C 09
4	S 67	9	C 11

● Delete ● Copy
● Move   ● Skip
‡ ◄► OK MENU

Time

CH.	Clock	►
	Off time	►
	On time	►
	Auto off	►

◄ ◄► OK MENU

Time menu

Special

CH.	Language	►
	Input	►
	Child lock	►

‡ ◄► OK MENU

Special menu

TV programme

Setting up TV stations

Auto programme tuning

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

System :
- **BG** :(Asia/NewZealand/ M.East/Africa/Australia)
- **I** :(Hong Kong/South Africa)
- **DK** :(East Europe/China/Africa/CIS)
- **M** : (USA/Korea/Philippines) (option)

*Note:a. **Turbo search** is faster than **Normal search** and in some models, these searches willautomatically store all receivable stations.*
*b. If the programmed station has poor quality and sound, select the system agai in the**Manual programme** menu.*

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.

Booster (option)

If the reception is poor at the fringe area of the TV signal, select **Booster** to **On**.

Fine tuning

Normally fine tuning is only necessary if reception is poor.The finely tuned programme will be indicated by yellow number during programme selection.

Programme edit

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

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, and 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 orselect it in the programme edit or table menu.

Repeatedly press the **MENU** button to return to normal TV viewing.

Calling the programme table

You can check the programmes stored in the memory by displaying the programme table.
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 table indicate there is no station name assigned.

Picture adjustment

Note: Picture menu options are not available for the RGB input source.

PSM (Picture Status Memory)

The picture **Dynamic**, **Standard**, **Mild** and **Game** are programmed for good picture reproduction at the factory and cannot be changed.

XD

You can enjoy the vivid and hi-definition picture with LG's excellent Digital Reality processor technology.

Picture adjustment

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

Time Setting

Setting the On/Off timer

By using this function, the set automatically switches on or off at a preset time. You must set the time correctly before using the on/off time function.

Note :
*a. **On time** works only in standby mode.*
b. To view the remaining on/off time, select the Time menu.
*c. When you switch the main power off, the **Clock** is reset .*

Auto off

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

Sound adjustment

SSM (Sound Status Memory)

You can select your preferred sound setting; Flat, Music, Movie, Sport and User.

Repeatedly press the **MENU** button to return to normal TV viewing.

The sound **Flat**, **Music**, **Movie** and **Sports** are programmed for good sound reproduction at the factory and cannot be changed.

Turbo sound selection

When this function is on, the sound will be more emphasized and amplified than normal sound.

Sound adjustment
You can adjust balance,Treble, Bass.
The Turbo sound creates an all around sound as in a concert hall.
Note :AVL function isn't available.

Sound output selection

In AV mode, you can select output sound for the left and right loudspeakers.
Repeatedly press the **I/II/∗** button to select the sound output.
L+R :Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.
L+L : Audio signal from audio L input is sent to left and right loud-speakers.
R+R :Audio signal from audio R input is sent to left and right loud-speakers.

Stereo/Dual reception

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

Broadcast	On Screen Display
Mono	**MONO**
Stereo	**STEREO**
Dual	**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 is 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 loudspeakers.
DUAL II sends the secondary broadcast language to the loudspeakers.
DUAL I+II sends a separate language to each loudspeaker.

NICAM reception (option)

If your set is equipped with the receiver for NICAM reception, the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.
Sound output can be selected according to the type of received broadcast by pressing the **I/II/∗** button repeatedly.
1. When NICAM mono is received, you can select **NICAM MONO** or FM MONO.
2. When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.
3. When NICAM dual is received, you can select **NICAM DUAL I**, **NICAM DUAL II** or **NICAM DUAL I+II** or **MONO**. When FM mono is selected the display **MONO** appears on the screen.

Teletext (option)

Teletext (or TOP text) is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.
Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.
The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

Switch on/off

Press the **TEXT** button to switch to teletext.The initial page or last page appears on the screen.
Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.
Press the **TEXT** or **TV/AV** button to switch off teletext. The previous mode reappears.

SIMPLE text
Page selection
1. Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number.
2. The ▲ / ▼ button can be used to select the preceding or following page.

Programming a colour button in LIST mode (option)
Press the ▦ button to switch to LIST mode.
Four teletext page numbers of your choice can be colour coded and easily selected by pressing the corresponding coloured button on the remote control handset.
1. Press a coloured button.
2. Using the NUMBER buttons, select the page you wish to programme.
3. Press the **OK** button. Then the selected page is stored as the selected page number with blinking once. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in the same way.

TOP text (option)

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

Block / group / page selection
1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group.
   Alternatively the ▲ button can be used.
4. The red button permits to return to previous selection. Alternatively the ▼ button can be used.

Direct page selection
Corresponding to the SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Page selection
1. Press the ▦ button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The ▲ / ▼ button can be used to select the preceding or following page.

Special teletext functions
REVEAL ▤?
Press this button to display concealed information, such as solutions of riddles or puzzles.
Press this button again to remove the information from the display.

SIZE ▤⬍
Selects double height text.
Press this button to enlarge the top half of the page.Press this button again to enlarge the bottom half of the page.Press this button again to return to the normal display.

UPDATE ▤X
Displays the TV picture on the screen while waiting for the new teletext page. The display ⬭✕ will appear at the top left hand corner of the screen. When the updated page is available then the display ⬭✕ will change to the page number. Press this button to view the updated teletext page.

HOLD ▤⌇
Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change are inhibited. To continue press this button again.

MIX ⬭
Displays the teletext pages superimposed on the TV picture.To switch the TV picture off press this button again.

TIME ▤◕
When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN, ▲ / ▼ or NUMBER buttons. Press again to exit this function.

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 these items and try to adjust these

Check item	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
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)	✓	✓	✓		✓		✓	✓	