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 information to your dealer when you require service.

Model number   :
Serial number   :

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.

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 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 RF 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** or **AV2**.
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 : *If you have a mono VCR, connect the audio cable from the VCR to the* ***AUDIO L/MONO*** *socket of the set.*

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 **AV 1** The VCR playback picture appears on the screen.
You can also record programmes 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.*

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 COMPONENT (480i) to the COMPONENT INPUT sockets (Y PB PR) on the set.
2. Connect the audio cable from the COMPONENT to AUDIO IN sockets of **AV IN2**.
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.
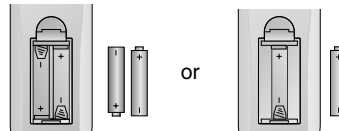
Headphone socket (option)

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

Battery installation

The remote control handset is powered by AAA type batteries.Install batteries as indicated by the polarity symbols (⊕ and ⊖) marked inside the compartment.
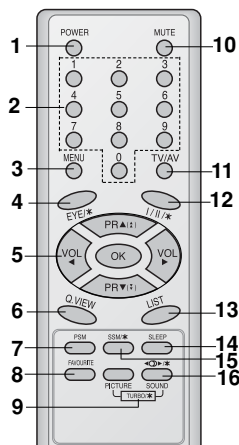
Note : *To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time*

Location and function of controls

Remote control handset

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

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. EYE/✱ (option)
switches the eye function on or off.
5. ▲ (▲) / ▼ (▼) (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.
6. Q.VIEW
returns to the previously viewed programme.
7. PSM (Picture Status Memory)
recalls your preferred picture setting.
8. FAVOURITE
selects a favorite programme.
9. TURBO PICTURE / SOUND BUTTON (option)
selects Turbo picture and sound.
10. MUTE
switches the sound on or off.
11. TV/AV
selects TV or AV mode.
switches the set on from standby.
12. I/II/✱ (option)
selects the language during dual language

broadcast. (option)
selects the sound output.
13. LIST
displays the programme table.
14. SLEEP
sets the sleep timer.
15. SSM/✱ (Sound Status Memory) (option)
recalls your preferred sound setting.
16. SURROUND (◀◯▶/✱) (option)
selects surround sound.
✱ : No function
COLOURED BUTTONS : These buttons are used for teletext (only TELETEXT models) or programme edit.

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'll be not able to function.)
- **MENU (option)**
  selects a menu.
- **OK (option)**
  accepts your selection or displays the current mode.
  ◀ / ▶ (Volume Up/Down) (option)
  adjusts the volume.
  adjusts menu settings.
  ▲ / ▼ (Programme Up/Down) (option)
  selects a programme or a menu item.
  switches the set on from standby.
- **AUDIO (or AUDIO-L/R)/VIDEO IN SOCKETS (AV or AV2) (option)**
  Connect the audio/video out sockets of external equipment to these sockets.
- **HEADPHONE SOCKET (option)**
  Connect the headphone plug to this socket.
- **EYE (option)**
  adjusts picture according to the surrounding conditions.
- **TURBO SOUND / PICTURE (option)**
  switches Turbo sound or Turbo picture function on or off.
- **TV/AV (option)**
  selects TV or AV mode.
  clears the menu from the screen.
  switches the set on from standby.
- **↻ (Function) (option)**
  selects volume, EYE (option), picture items or brief auto programme while the menus not display.
- **+ / - (▲ / ▼) (option)**
  adjusts the function or selects a programme.
  switches the set on from standby.
Note : Shown is a simplified representation of front or side panel. Here shown may be somewhat different from your set.

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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.

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.

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.
   AV or AV1 : VCR connected to the Euro scart socket or phone jack of the set
   AV2 : VCR connected to the **AV2** sockets of the set (option)
   AV3 : VCR connected to the **AV3** sockets of the set (option)
   COMPONENT : DVD Player connected to the **COMPONENT** sockets on the set (option)
Alternatively you can select the TV or AV mode by pressing the **TV/AV** button.

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

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.

Blue back (option)

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.

Games (option)

Game is an optional function, only a set with game can perform this function by using the remote control handset. You can enjoy the game by using the GAME owner's manual.

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 during the game.

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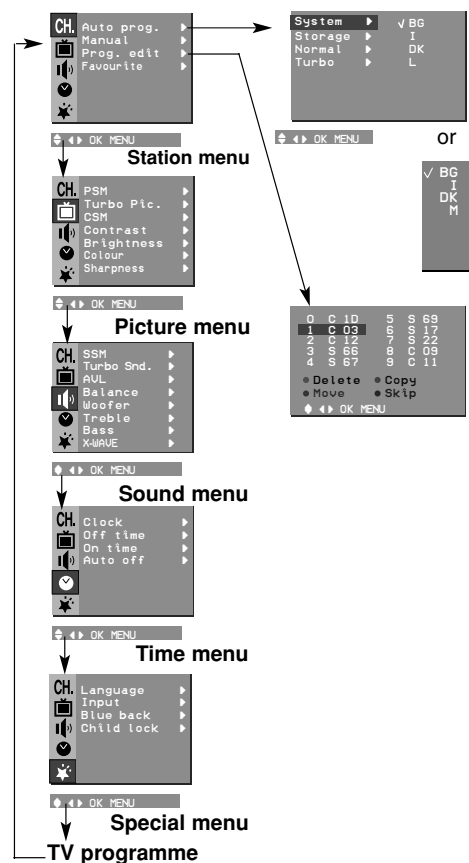
The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

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 mono models, the Sound menu does not appear.
*b. In some models, **Turbo Pic.** will not display in the Picture menu.*
*c. In some models, **Turbo.Snd.**, **AVL**, **Balance**, **Woofer**, **X-WAVE** or **Treble**, **Bass** will not display in the Sound menu.*
*d. In some models, **Language**, **Blue back**, **Game**, **Booster** will not display in the Special menu.*

Station menu

Picture menu

Sound menu

Time 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)
L	:(SECAM L/L' (France) (option)
M	: (USA/Korea/Philippines) (option)

*Note : a.**Turbo** is faster than **Normal** 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** 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**.

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

Eye (option)
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 :
a. *If you press the **PSM** or **TURBO PICTURE** button with the eye function, the eye function is automatically switched off.*
b. *EYE function is not available for RGB input source.*

Turbo picture selection (option)
When this function is on, the picture will be more brilliant and distinct than normal picture.
Repeatedly press the **TURBO PICTURE** button to switch on or off.
Note :
a. *If you press the **PSM** button with the Turbo picture function, the Turbo picture function is automatically switched off.*
b. *TURBO PICTURE function is not available for RGB input source.*

Sound adjustment (option)

SSM (Sound Status Memory)
Sound Frequency Adjustment
Press the ▶ button in **User** to display the **User** sub menu.
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**.*

Turbo sound selection(option)
When this function is on, the sound will be more emphasized and amplified than normal sound.

X-WAVE (Wireless Sound) (option)
You can also listen to the sound through the FM receiver.
Note:
a. *If the reception is poor or weak, select a different frequency.*
b. *For best results, there should be no more than 5m (16.4ft) between the TV and FM Receiver.*
c. *In certain areas, the FM transmitter ability may be weak, such as near a broadcast tower.*
d. *The reception sensitivity may depend on the kinds of receiver(FM radio).*

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.

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 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 .*
d. *Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.*
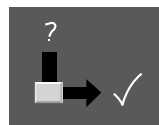
Auto off

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.

Troubleshooting check list

Symptoms

Check these items and try to adjust these	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)	✓	✓	✓				✓	✓	