



OWNER'S MANUAL

Colour Television

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 :

Contents

Installation.....	2	Setting up TV stations.....	5
Connection of external equipment.....	2	Picture adjustment.....	6
Location and function of controls.....	2	Time setting.....	6
Basic operation.....	4	Sound adjustment (option).....	6
Other functions.....	4	Troubleshooting check list.....	7
On screen menus.....	5		

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 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 Pb Pr) 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.)

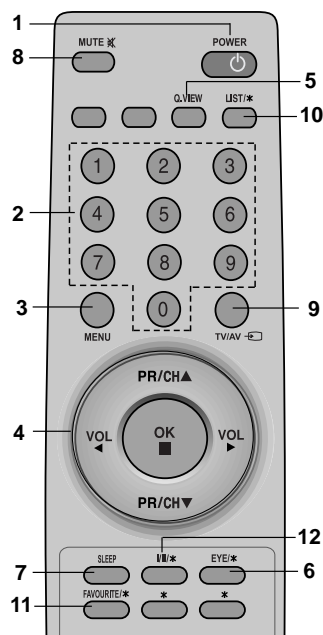
- **MENU**
selects a menu.
- **OK**
accepts your selection or displays the current mode.
◀ / ▶ (Volume Down/Up)
adjusts the volume.
adjusts menu settings.
▲ / ▼ (Programme Up/Down)
selects a programme or a menu item.
switches the set on from standby.

Location and function of controls

Remote control handset

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

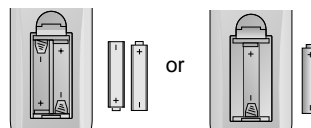
1. **POWER**
switches the set on from standby or off to standby.
 2. **NUMBER BUTTONS**
switches the set on from standby or directly select a number.
 3. **MENU**
selects a menu.
 4. **▲ / ▼ (Programme Up/Down)**
selects a programme or a menu item.
switches the set on from standby.
scans programmes automatically.
 5. **◀ / ▶ (Volume Up/Down)**
adjusts the volume.
 6. **OK**
accepts your selection or displays the current mode.
 7. **Q.VIEW**
returns to the previously viewed programme.
 8. **EYE/* (option)**
switches the eye function on or off.
 9. **SLEEP (option)**
sets the sleep timer.
 10. **MUTE**
switches the sound on or off.
 11. **TV/AV**
selects TV or AV mode.
 12. **switches the set on from standby.**
 10. **LIST/* (option)**
displays the programme table.
 11. **FAVOURITE /* (option)**
selects a favorite programme.
 12. **I/I/* (option)**
selects the language during dual language broadcast.
selects the sound output.
- * : No function



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 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.



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**, **◀ / ▶**, **||||***(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.

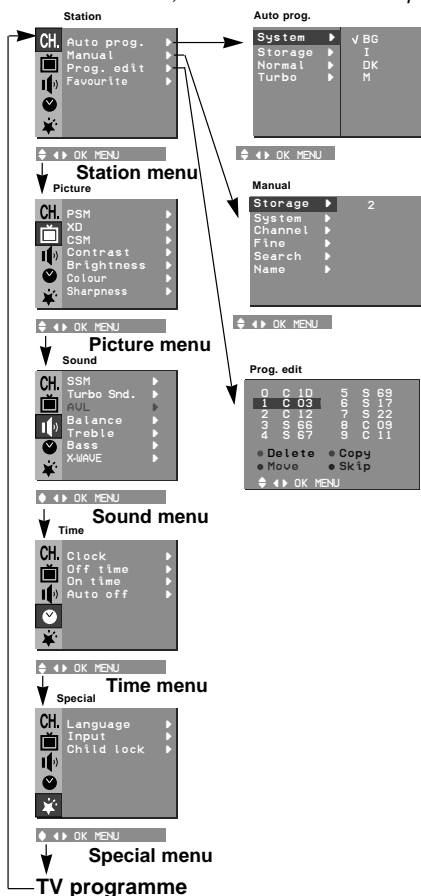
Menu selection

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.
- d. In some models, Sound menu will not display.



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 will automatically store all receivable stations.
 b. If the programmed station has poor quality and sound, select the system again 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 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)

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 :

- On time** works only in standby mode.
- To view the remaining on/off time, select the **Time** menu.
- 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 (option)

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.

- When NICAM mono is received, you can select **NICAM MONO** or FM MONO.
- When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.
- 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.

Troubleshooting check list

Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

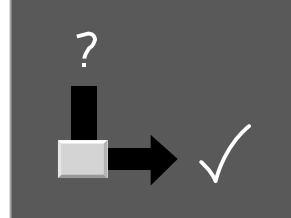
Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work



Check these items and try to adjust these

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- 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)

