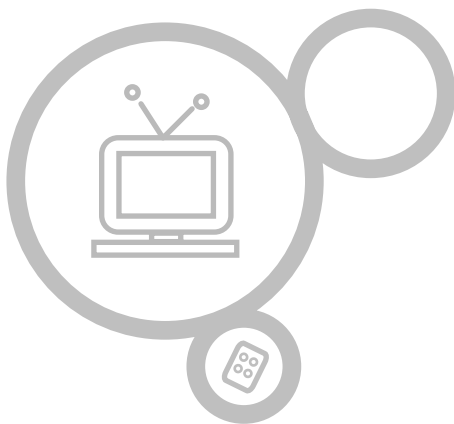


Colour Television

Owner's Manual



Please read this manual carefully before operating your set.
Retain it for future reference.

See the label attached on the back cover and quote this information to
your dealer when you require service.

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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 power-cuts, please pull out the aerial and mains plugs.

Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

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

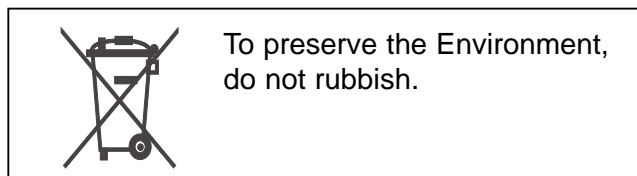
Connect the aerial cable to the socket marked 75 Ω on the back cover. For the best reception an outdoor aerial should be used.

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.

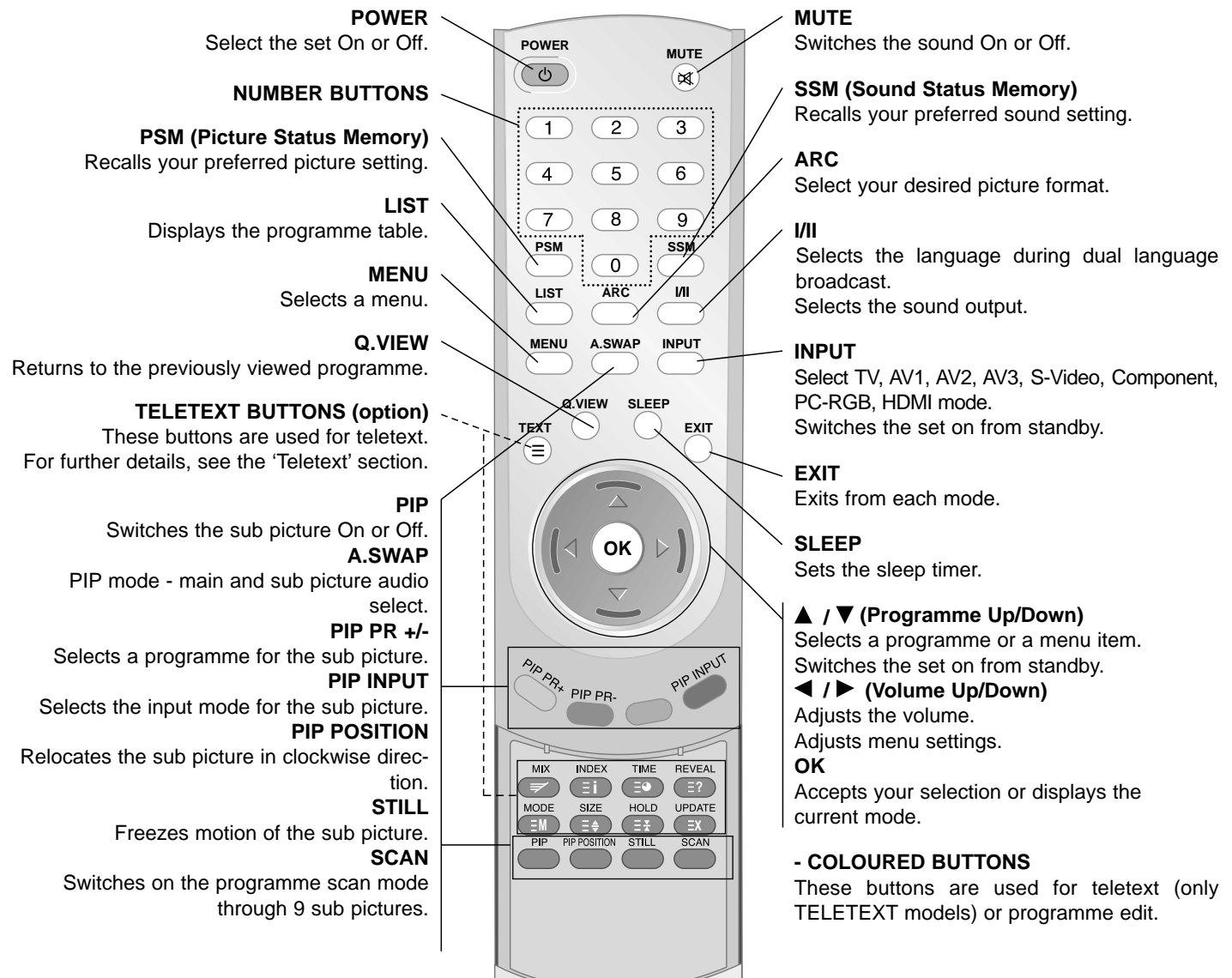
Cleaning

Unplug the set before cleaning the face of the LCD Screen. Dust the set by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid cleaners or aerosol cleaners.



Remote control handset 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.



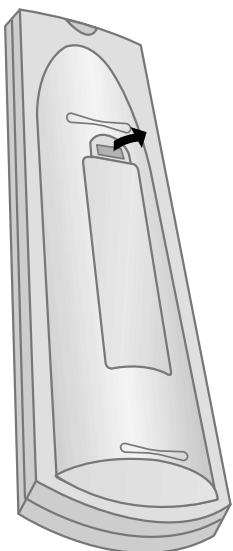
Before you use the remote control handset, please install the batteries.

Remote control handset Battery installation

- Your remote control handset is powered by two AAA type batteries.

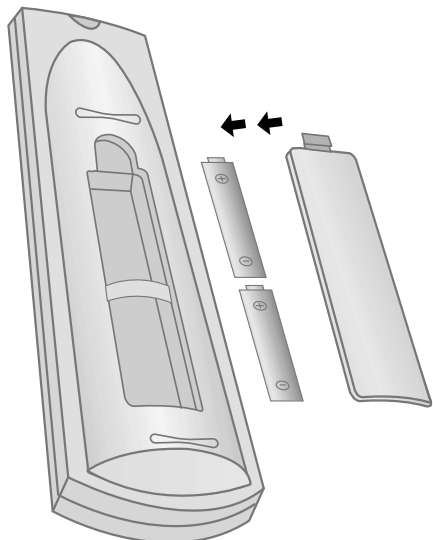
1

To insert batteries, turn the remote control handset over and remove the battery cover.



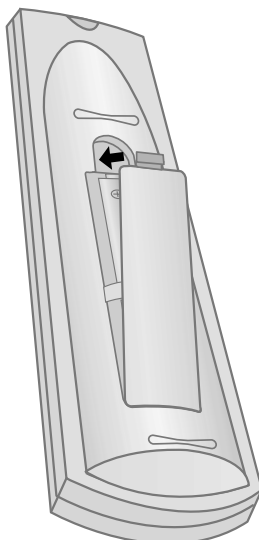
2

Put the two batteries into the compartment observing battery polarity.



3

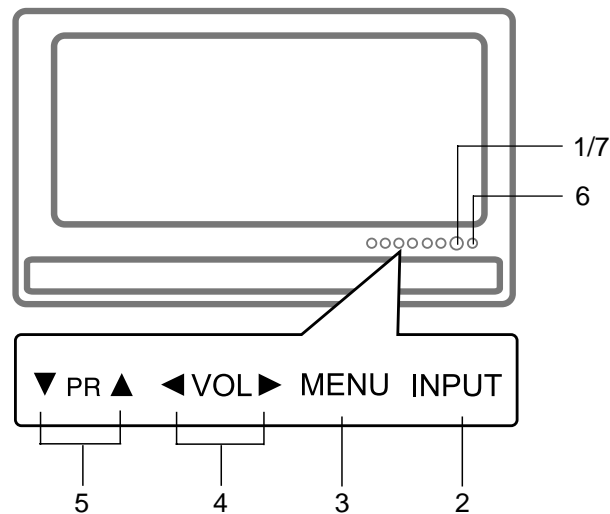
Replace the cover.



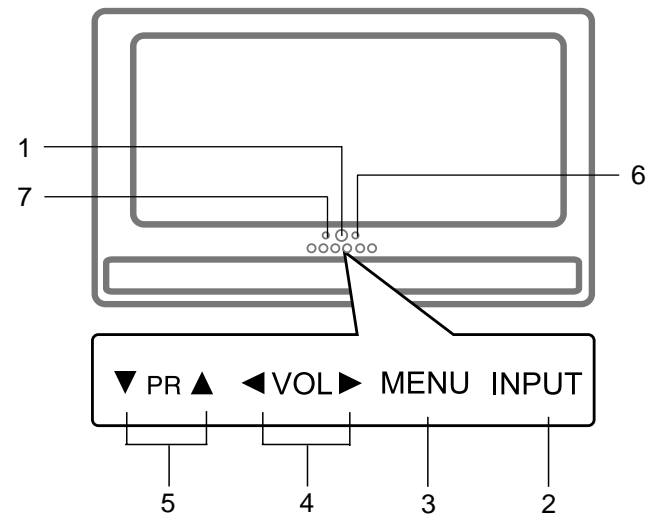
To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period time. Do not use batteries of differing age or type. Always discard of batteries safely.

Controls of Front panel

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.

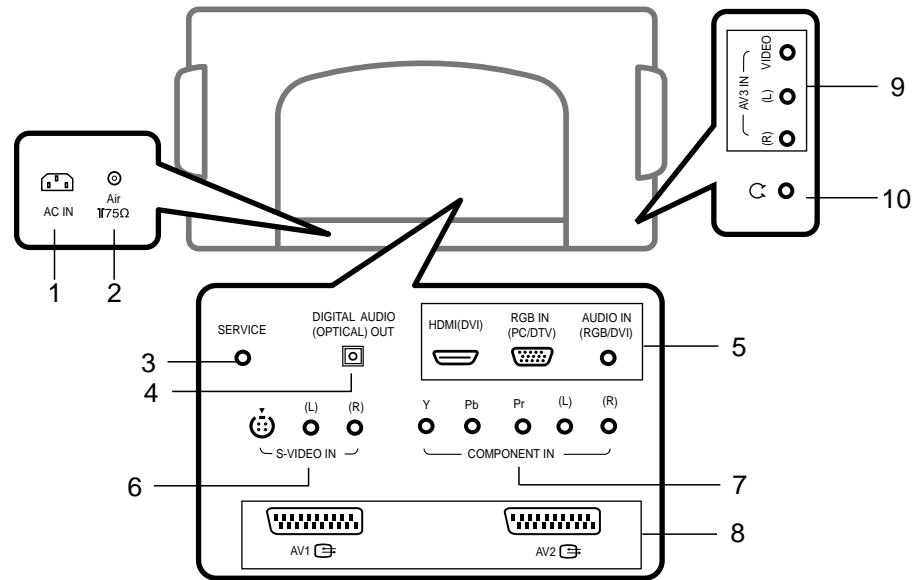


- 1. POWER (⊕)**
Select the set On or Off.
- 2. INPUT**
Selects **TV, AV1, AV2, AV3, S-Video, Component, PC-RGB, HDMI** mode.
- 3. MENU**
Selects a menu.
- 4. ◀ / ▶ (Volume Down/Up)**
Adjusts the volume.
Adjusts menu settings.



- 5. ▲ / ▼ (Programme Up/Down)**
Selects a programme or a menu item.
Switches the set On from standby.
- 6. REMOTE CONTROL SENSOR**
- 7. POWER/STANDBY INDICATOR(⊕)**
Illuminates red in standby mode.
Illuminates green when the set is switched On.

Connections of Back panel



1. POWER CORD SOCKET

This set operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the set on DC power.

2. AERIAL SOCKET

3. SERVICE ONLY SOCKET

4. DIGITAL AUDIO (OPTICAL) OUT

Connect digital audio from various types of equipment.
Note : In standby mode, these ports will not work.

5. HDMI(DVI) / RGB IN / AUDIO IN SOCKETS

Connect the set output socket of the PERSONAL COMPUTER to this socket.

6. S-VIDEO IN

Connect video out from an S-Video VCR to the S-VIDEO input.

7. COMPONENT IN (480i / 576i / 480p / 576p / 720p / 1080i) SOCKETS

8. EURO SCART SOCKET

Connect the euro scart socket of the VCR to these sockets.

9. AUDIO/VIDEO IN SOCKET

Connect the audio/video out sockets of the VCR to AV sockets of the set.

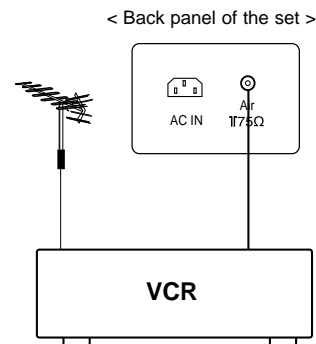
10. HEADPHONE SOCKET

Connect the headphone plug to this socket.

Connection to External equipment

- You can connect additional equipment, such as VCRs, camcorders etc. to your set. However please check with your manufacturers instruction books for specific information. Make sure all connections are made with both your set and additional appliance unplugged from the mains to avoid damaging your equipment. Here shown may be somewhat different from your set.

1 Connect to Aerial socket



Connect the RF out socket of the VCR to the aerial socket on the back of the set.

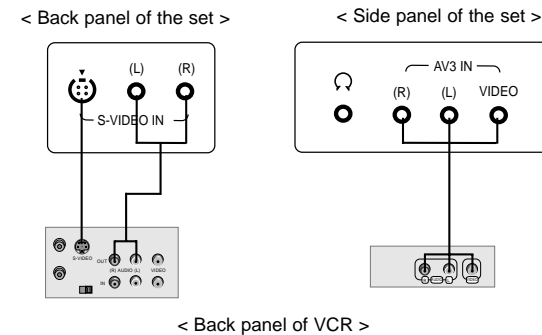
Connect the aerial cable to the RF aerial in socket of the VCR.

Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.

Select the programme number where the VCR channel is stored.

Press the **PLAY** button on the VCR.

2 Watching VCR



- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.

- To avoid picture noise (interference), leave an adequate distance between the VCR and set.

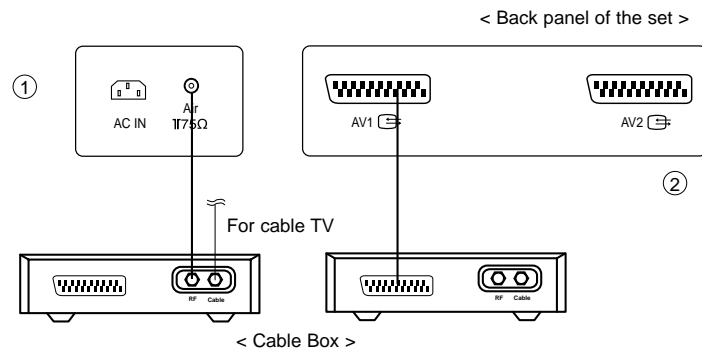
Use the **INPUT** button on the remote control to select **AV1**, **AV2**, **AV3** or **S-Video**.

Insert a video tape into the VCR and press the **PLAY** button on the VCR. (See VCR owner's manual).

Connection to External equipment

3

Watching Cable TV



- After subscribing for a local cable TV station and installing a converter you can watch cable TV.
- For further information of cable TV, contact the local cable TV station.

In using connection 1

Select programme number in programme switch of cable box.
Match the set programme with selected programme of cable box.
Select your desired programme with the remote control for cable box.

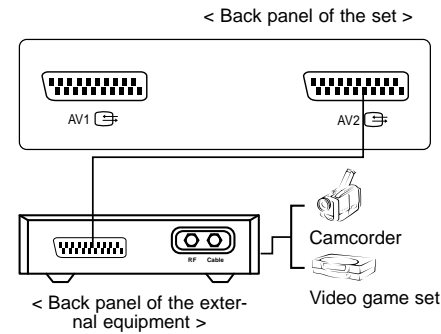
In using connection 2

Use the **INPUT** button on the remote control and select **AV1**, **AV2**, **AV3** or **S-Video**.

Tune to cable service provided channels using the cable box.

4

Watching external AV source



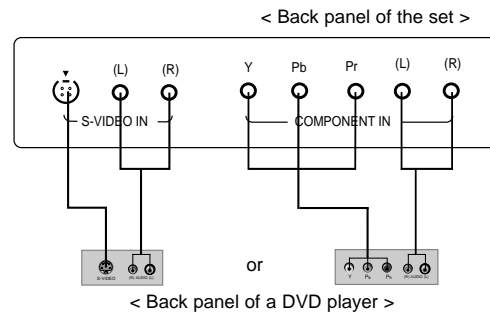
When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment:

Use the **INPUT** button on the remote control to select **AV1**, **AV2**, **AV3** or **S-Video**.

Operate the corresponding external equipment.
See external equipment operating guide.

Connection to External equipment

5 Watching DVD



How to connect

Connect DVD video inputs to Y, Pb, Pr of COMPONENT (DVD INPUT) and audio inputs to Audio sockets of AUDIO INPUT.

How to use

Turn on the DVD player, and insert a DVD.

Use **INPUT** button on the remote control to select **Component**. Refer to the DVD player's manual for operating instructions.

• COMPONENT Input ports

You can get better picture quality if you connect DVD player with COMPONENT input ports as below.

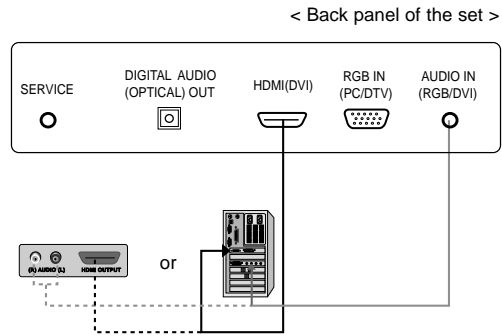
DVD input signal : 480i / 576i / 480p / 576p / 720p / 1080i

COMPONENT ports of the set	Y	Pb	Pr
Video output ports of DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	PB	PR

Connection to External equipment

6

Connecting HDMI (DTV)



Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the **HDMI** socket of the set.

Connect the audio cable from the PC to the **AUDIO IN** sockets of the set.

Press the **INPUT** button to select **HDMI**.

Switch on the HDMI, and the HDMI screen appears on the set.

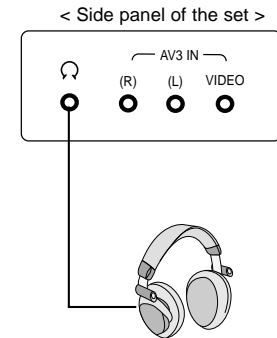
HDMI-DTV input signal : 480p-60Hz, 576p-50Hz, 720p-50Hz, 720p-60Hz, 1080i-50Hz, 1080i-60Hz.

HDMI Interface with HDCP Copy Protection enables all-digital rendering of video without the losses.

This TV SET can receive the High-Definition Multimedia Interface(HDMI) or Input of Digital Visual Interface(DVI).

7

Connecting Headphone

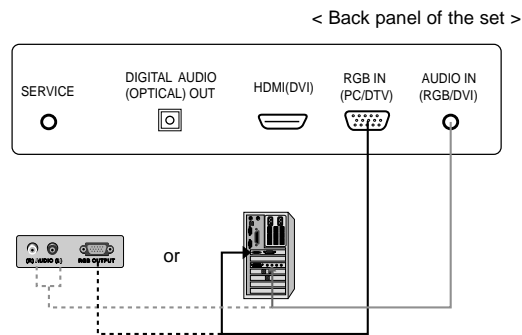


Insert the headphone plug to the headphone socket of the set.

You can listen to the sound through the headphone. To adjust the headphone volume, press the ◀ / ▶ button.

Connection to External equipment

7 Connecting PC (DTV)



Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the **RGB IN** socket of the set.

Connect the audio cable from the PC to the **AUDIO IN** sockets of the set.

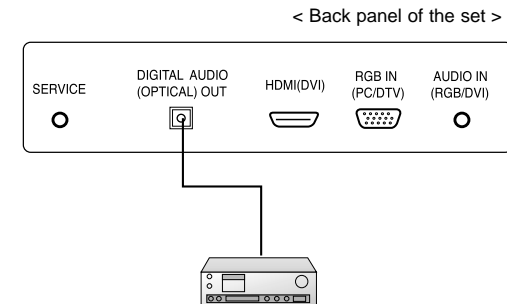
Press the **INPUT** button to select **PC-RGB**.

Switch on the PC, and the PC screen appears on the set.

The set can be operated as the PC monitor.

RGB-DTV input signal : 480p-60Hz, 576p-50Hz, 720p-50Hz, 720p-60Hz, 1080i-50Hz, 1080i-60Hz.

8 Connecting Digital Audio



- Send the set's audio to external audio equipment (stereo system) via the Digital Audio Output (Optical).

Caution : Do not look into the optical output port. Looking at the laser beam may damage your vision.

How to connect

Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.

Connect the other end of the optical cable to the digital audio (optical) input on the audio equipment.

1

On and Off

First, connect power cord correctly. At this moment the TV switches to standby mode.

If the set is in standby mode, press the **POWER**, **▲ / ▼** buttons on the remote control handset to switch it on fully.

Press the **POWER** button on the remote control handset.

The set reverts to standby mode.

Press the power button again to switch the set standby mode.

2

Programme selection

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

3

Volume adjustment

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

If you want to switch the sound off, press the **MUTE** button. You can cancel it by pressing the **MUTE**, **◀ / ▶**, **SSM** or **|||** button.

4

On screen language selection

Press the **MENU** button and then use **▲ / ▼** button to select the **SETUP** menu.

Press the **▶** button and then use **▲ / ▼** button to select **Language**.

Press the **▶** button and then use **▲ / ▼** button to select your desired language. All the on screen displays will appear in the selected language.

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

On screen menus

Menu selection

- 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.

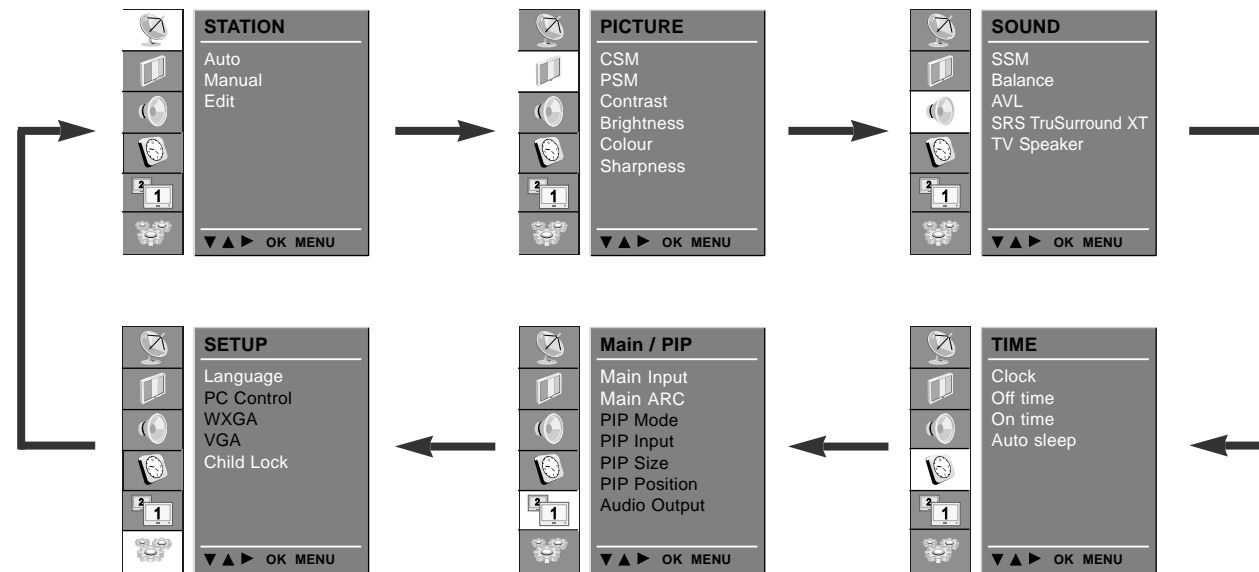
1
Press the **MENU** button and then use **▲ / ▼** button to display each menu.

2
Press the **▶** button and then use **▲ / ▼** 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 **◀** button and to move to the lower level menu press the **▶** button.



Setting up TV stations

Auto programme tuning

- Up to 100 TV stations can be stored by programme numbers (0 to 99). 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.
- All stations that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.

1
Press the **MENU** button and then use ▲ / ▼ button to select the **STATION** menu.

2
Press the ► button and then use ▲ / ▼ button to select **Auto**.
Press the ► button to display the **Auto** menu.

Press the ► button. Select a TV system with the ◀ / ▶ button on the **System** pull-down menu;

- L** : SECAM L/L' (France)
- BG** : PAL B/G, SECAM B/G (Europe/East Europe)
- I** : PAL I (U.K./Ireland)
- DK** : PAL D/K, SECAM D/K (East Europe)

Press the ▲ / ▼ button to select **Storage from**.

Select the beginning programme number with the ◀ / ▶ button on the **Storage from** pull-down menu.

3
Press the ▲ / ▼ button to select **Search**.

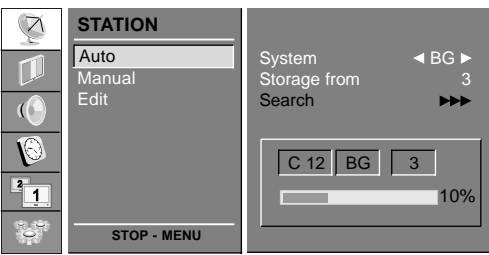
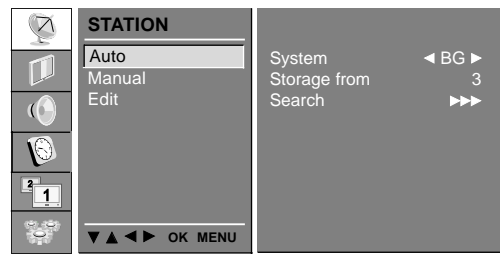
Press the ► button to begin auto programming. All receivable stations are stored.

The station name is stored for stations which broadcast VPS (Video Programme Service), PDC (Programme Delivery Control) or TELE-TEXT data. If no station name can be assigned to a station, the channel number is assigned and stored as **C** (V/UHF 01-69) or **S** (Cable 01-47), followed by a number.

To stop auto programming, press the **MENU** button.

When auto programming is completed, the **Edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.

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



Setting up TV stations

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

Press the **MENU** button and then use **▲ / ▼** button to select the **STATION** menu.

2

Press the **▶** button and then use **▲ / ▼** button to select **Manual**.

Press the **▶** button to display the **Manual** menu.

Press the **▲ / ▼** button to select **Storage**.

Press the **◀ / ▶** button to select the programme number.

3

Press the **▲ / ▼** button to select **System**.

Select a TV system with the **◀ / ▶** button on the **System** pull-down menu;

L : SECAM L/L' (France)

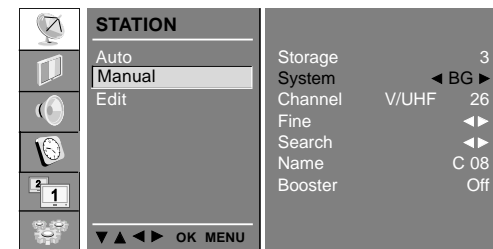
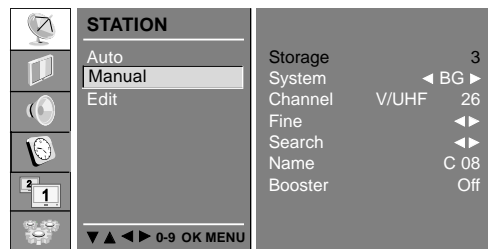
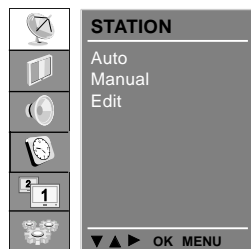
BG : PAL B/G, SECAM B/G
(Europe/East Europe)

I : PAL I (U.K./Ireland)

DK : PAL D/K, SECAM D/K (East Europe)

Press the **▲ / ▼** button to select **Channel**.

Press the **◀ / ▶** button to select **V/UHF** or **CABLE** on the **Channel** pull-down menu.



Setting up TV stations

Manual programme tuning

4

Normally fine tuning is only necessary if reception is poor.

Press the ▲ / ▼ button to select **Fine**.

Press the ◀ / ▶ button to fine tune for the best picture and sound.

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.

If this station is the one required, press the **OK** button to store it.



5

Press the ▲ / ▼ button to select **Name**.

Press the ▶ button on the **Name** pull-down menu.

Press the ▲ button. 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.

Select the position by pressing the ◀ / ▶ button and then take your choice of the second character, and so on.

Press the **OK** button.

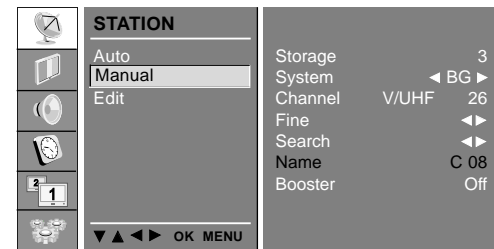
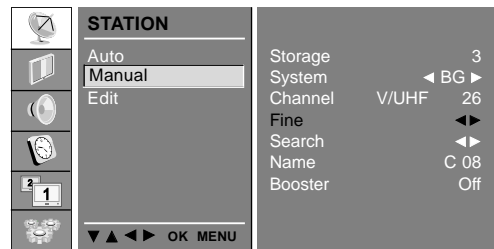
In some models, **Booster** is an optional function. Only a set with **Booster** can perform this function.

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

Press the ▲ / ▼ button to select **Booster**.

Press the ◀ / ▶ button to select **On** or **Off**.

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



Setting up TV stations

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
Press the **MENU** button and then use **▲ / ▼** button to select the **STATION** menu.

Press the **▶** button and then use **▲ / ▼** button to select **Edit**.

Press the **▶** button to display the **Edit** menu.

2
Deleting a programme
Select a programme to be deleted with the **▲ / ▼** or **◀ / ▶** button.

Press the **RED** button twice.
The selected programme is deleted, all the following programmes are shifted up one position.

3
Copying a programme
Select a programme to be copied with the **▲ / ▼** or **◀ / ▶** button.

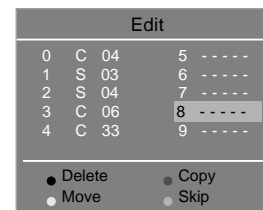
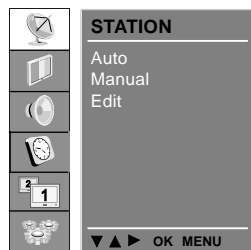
Press the **GREEN** button.
Move the programme to the desired position.
Press the **GREEN** button to copy the selected program.

4
Moving a programme
Select a programme to be moved with the **▲ / ▼** or **◀ / ▶** button.

Press the **YELLOW** button.

Move the programme to the desired programme number with the **▲ / ▼** or **◀ / ▶** button.

Press the **YELLOW** button again to release this function.



Setting up TV stations

Programme edit

Calling the programme table

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

5

Skipping a programme number

Select a programme number to be skipped with the ▲ / ▼ or ◀ / ▶ button.

Press the **BLUE** button. The skipped programme turns to blue.

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.

1

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 below.

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.

2

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.

3

Paging through a programme table

There are 10 programme table pages which contain 100 programmes. Pressing the ▲ / ▼ or ◀ / ▶ button repeatedly turns the pages.

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

Picture adjustment

1

CSM (Colour Status Memory)

To initialize values (reset to default settings), select the **Normal** option.

Press the **MENU** button and then **▲ / ▼** button to select the PICTURE menu.

Press the **▶** button and then **▲ / ▼** button to select **CSM**.

Press the **▶** button and then **▲ / ▼** button to select the desired colour temperature.

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

You can adjust red, green, or blue to any colour temperature you prefer.

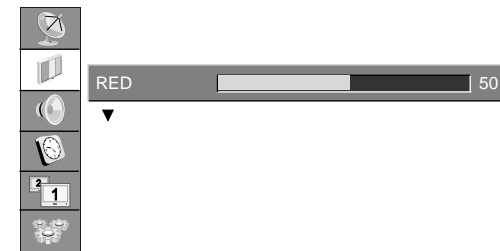
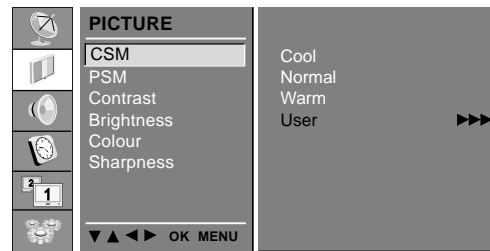
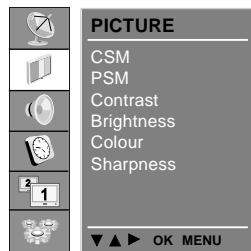
Press the **MENU** button and then use **▲ / ▼** button to select the PICTURE menu.

Press the **▶** button and then use **▲ / ▼** button to select **CSM**.

Press the **▶** button and then use **▲ / ▼** button to select **User**.

Press the **▶** button and then use **◀ / ▶** button to make appropriate adjustments.

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



2

PSM (Picture Status Memory)

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

Press the ► button and then use ▲ / ▼ button to select **PSM**.

Press the ► button and then use ▲ / ▼ button to select a picture setting on the **PSM** pull-down menu.

Repeatedly press the **MENU** 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**, **Game** are programmed for good picture reproduction at the factory and cannot be changed.

3

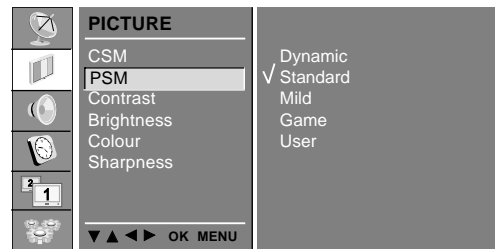
Manual Picture Control

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

Press the ► button and then use ▲ / ▼ button to select the desired picture option.

Press the ► button and then use ◀ / ▶ button to make appropriate adjustments.

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



Picture adjustment

Picture Format

4

Picture format

You can watch TV in various picture formats; AUTO, 16:9, 14:9, 4:3, ZOOM1, ZOOM2, SPECTACLE. Repeatedly press the **ARC** button to select your desired picture format.

1. Press the **ARC** button to select a desired picture format.

- Each press of **ARC** button changes the screen display as shown below.
- You can only select AUTO, 16:9, 14:9, 4:3, ZOOM1, ZOOM2, SPECTACLE in TV, AV1, AV2, AV3, S-Video mode only.
- You can only select 16:9, 4:3 in Component, PC-RGB, HDMI mode only.



Sound adjustment

1

SSM (Sound Status Memory)

Press the **MENU** button and then use **▲ / ▼** button to select the **SOUND** menu.

Press the **▶** button and then use **▲ / ▼** button to select **SSM**.

Press the **▶** button and then use **▲ / ▼** button to select a sound setting on the **SSM** pull-down menu.

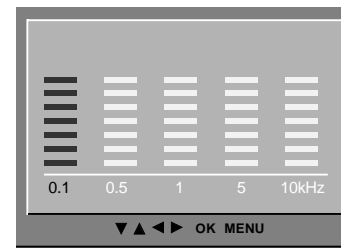
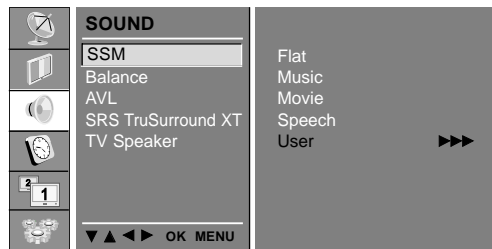
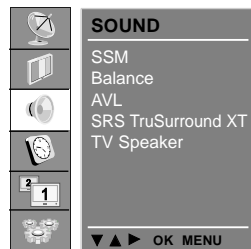
Repeatedly press the **MENU** button to return to normal TV viewing.

Sound Frequency Adjustment

- Press the **▶** button in **User**.
- 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**.

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.

When changing **SSM** option in **SOUND** menu, **SRS** is automatically changed to **Off**.



Sound adjustment

2

Balance

Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ► button and then use ▲ / ▼ button to select the desired sound item.

Press the ► button and then use ◀ / ▶ button to make appropriate adjustments.

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

3

AVL (Auto Volume Leveler)

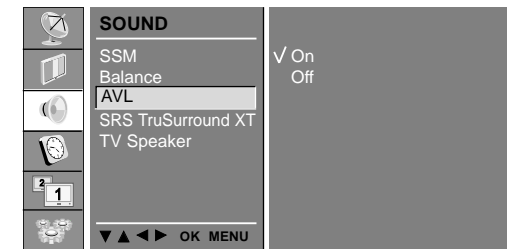
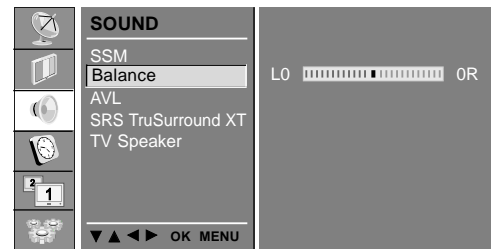
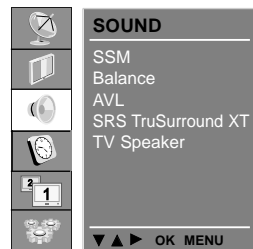
Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ► button and then use ▲ / ▼ button to select **AVL**.

Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.

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

This feature maintains an equal volume level; even if you change channels.



4

SRS Trusurround XT

SRS is a trademark of SRS Labs, Inc.
TruSurround XT
DIGITAL

- TruSurround XT technology is incorporated under license form SRS Labs, Inc.
- Manufactured under license form Dolby Laboratories.

Press the **MENU** button and then use ▲ / ▼ button to select the **SOUND** menu.

Press the ► button and then use ▲ / ▼ button to select **SRS Trusurround XT**.

Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.

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

5

TV Speaker

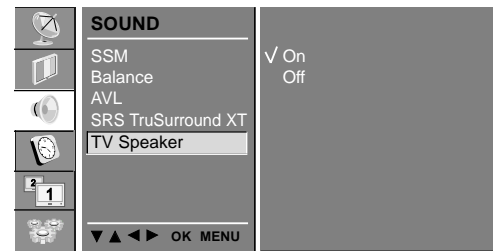
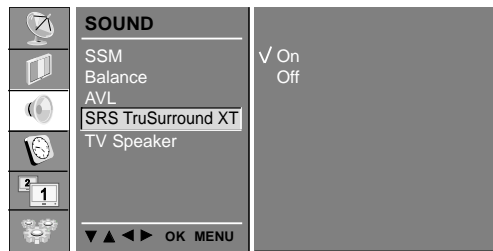
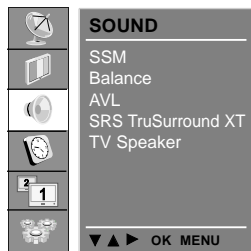
- Turn TV speakers off if using external audio equipment.

Press the **MENU** button and then use ▲ / ▼ button to select the **SOUND** menu.

Press the ► button and then use ▲ / ▼ button to select **TV Speaker**.

Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.

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



Stereo/Dual/NICAM reception

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 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 loud-speakers.

Mono sound selection

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

Language selection for dual language broadcast

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

DUAL I sends the primary broadcast language to the loudspeakers.

DUAL II sends the secondary broadcast language to the loudspeakers.

DUAL I+II sends a separate language to each loudspeaker.

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 as follows 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.

Time Menu

1

Clock

You must set the time correctly before using on/off time function.

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ► button and then ▲ / ▼ button to select **Clock**.

Press the ► button and then ▲ / ▼ button to adjust the hour / minute.

Press the **MENU** or **OK** to save.

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



Time Menu

2

On/Off time

The off timer automatically switches the set to standby at the preset time.

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ► button and then ▲ / ▼ button to select **Off time** or **On time**.

Press the ► button and then ▲ / ▼ button to select **On**.

To cancel **Off/On time** function, press the ▲ / ▼ button to select **Off**.

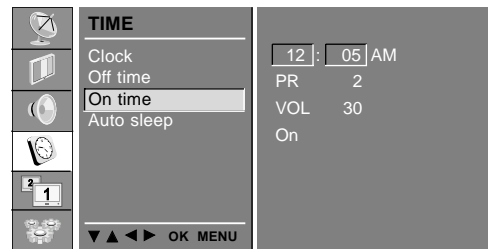
Press the ► button and then ▲ / ▼ button to adjust the hour / minute.

Only On time function; Press the ► button and then ▲ / ▼ button to adjust volume level and program number.

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

Note :

- a. In the event of power interruption (disconnection or power failure), the clock must be reset.
- b. 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.
- c. Once the on or off time is set, these functions operate daily at the preset time.
- d. Off Timer function overrides On Timer function if they are set to the same time.
- e. The set must be in standby mode for the On Timer to work.



3

Auto sleep

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

Press the **MENU** button and then ▲ / ▼ button to select the **TIME** menu.

Press the ► button and then ▲ / ▼ button to select **Auto sleep**.

Press the ► button and then ▲ / ▼ button to select **On** or **Off**.

Press the **MENU** or **OK** to save.

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



4

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

Note :

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

Setup Menu

1

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.

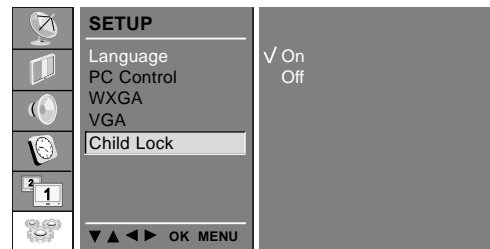
Press the **MENU** button and then **▲ / ▼** button to select the SETUP menu.

Press the **▶** button and then **▲ / ▼** button to select **Child Lock**.

Press the **▶** button and then **▲ / ▼** button to select **On** or **Off**.

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

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



PC Setup

You can adjust horizontal/vertical position, clock, phase, and auto-configure, reset as you prefer.

Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.

Press the ► button and then ▲ / ▼ button to select the desired picture item.

Press the ◀ / ▶ button to make appropriate adjustments.

H-Position / V-Position

This function is to adjust picture to left/right and up/down as you prefer.

Clock

This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

Phase

WXGA or VGA (Only PC-RGB mode)

a : When the set is inputted WXGA signal, select the desired WXGA resolution.

b : When the set is inputted 480p signal in VGA mode, select 480p on the SETUP menu.

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

Auto

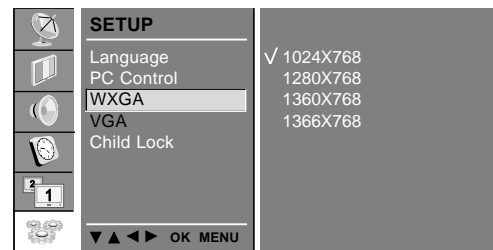
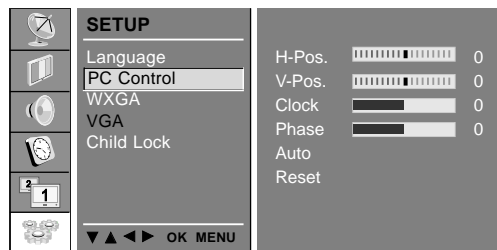
This function is for the automatic adjustment of the screen position, clock and phase. The displayed image will disappear for a few seconds while the Auto-configuration is in progress.

Reset

This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

Note : Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and phase manually.

Press the **OK** button to store it for the PC monitor picture. Press the **EXIT** button to return to PC mode.



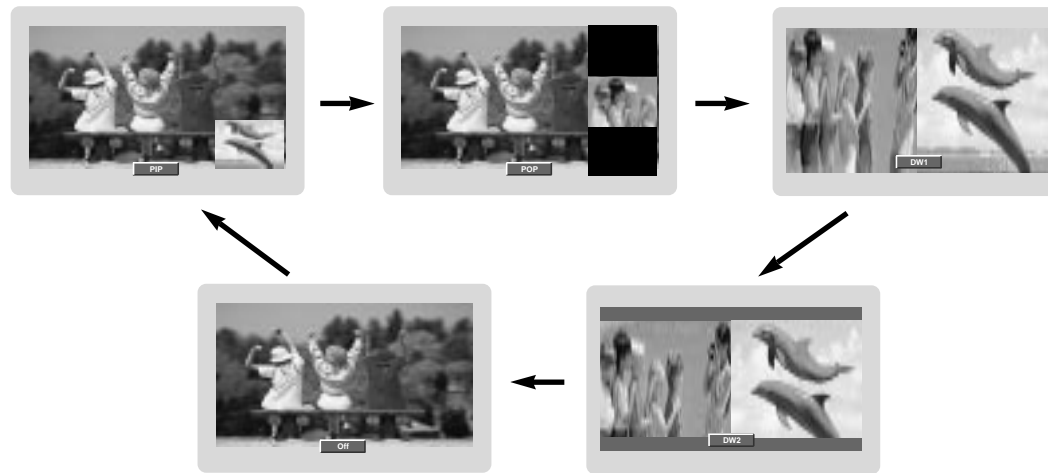
PIP (Picture-in-Picture) Feature

- PIP lets you view 2 different inputs (sources) on your monitor screen at the same time. One source will be large, and the other source will show a smaller inset image.

1 Watching PIP

Press the **PIP** button to show the sub picture.

- Each press of **PIP** button changes the screen display as shown below.



MAIN \ SUB	TV	AV1	AV2	AV3	S-Video	Component	PC-RGB	HDMI
TV	X	X	X	X	X	O	O	O
AV1	X	X	X	X	X	O	O	O
AV2	X	X	X	X	X	O	O	O
AV3	X	X	X	X	X	O	O	O

PIP (Picture-in-Picture) Feature

2

PIP Audio Output

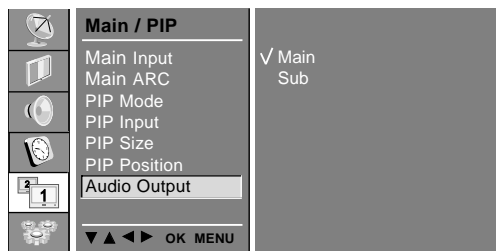
PIP mode - main and sub picture audio select.

Press the **MENU** button and then **▲ / ▼** button to select the PIP menu.

Press the **▶** button and then **▲ / ▼** button to select **Audio Output**.

Press the **▶** button and then **▲ / ▼** button to select **Main** or **Sub**.

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



3

Moving the PIP

Press the **PIP POSITION** button.

Press the **PIP POSITION** button repeatedly until desired position is achieved. The sub pictures move clockwise.



4

Selecting a Input Signal Source for the PIP

Use the **PIP INPUT** button to select the input source for the sub picture.



PIP (Picture-in-Picture) Feature

5

Programme selection for sub picture

Press the **PIP PR +/-** button. The selected programme number is displayed just below the programme number of main picture.

6

Programme scan

This function enables you to search all the stored stations on 9 pictures.

Press the **SCAN** button to show POP9 on the screen.

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



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** 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

If the TV is in SIMPLE text, TOP text or FASTEXT mode,  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. The selected page is stored as the selected page number, blinking once to confirm this. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in this 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

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 display  will change to the page num-

ber.

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 is 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 this button again to exit this function.

*Note : When you press **MUTE**, **SSM**, **I/II** and  /  keys on the remote controller during TELETEXT operation, each function will operate normally but the related display will not be shown on the screen.*

Displayable Monitor Specification

RGB Mode / HDMI Mode

MODE	Resolution	Vertical Frequency (Hz)
DOS	640X350	70.0
	720X400	70.0 85.0
VGA	640X480	60.0
		72.0
		75.0
		85.0
SVGA	800X600	56.0
		60.0
		72.0
		75.0
		85.0
XGA	1024X768	60.0
		70.0
		75.0
		85.0
SXGA	1280X1024	60.0
WXGA	1280X768	60.0 75.0
	1360X768	60.0
	1366X768	60.0
DTV	480p/60	720p/60
	576p/50	1080i/50
	720p/50	1080i/60

(Synchronization input form : separate)

Note:

- a. If the set is cold, there may be a small "flicker" when the set is switched on. This is normal, there is nothing wrong with the set.
- b. If possible, use the VESA 1,024x768@60Hz video mode to obtain the best image quality for your LCD monitor. If used to PC vertical frequency 85Hz, some noise can be seen when PIP is on. In this case, set the PC vertical frequency to 60Hz. The set has been pre-adjusted to the mode VESA 1,024x768@60Hz.
- c. Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.
- d. Do not press the LCD screen with your finger for a long time as this may produce some temporary distortion effects on the screen.
- e. When the PC screen appears on the set, a message may appear on the screen, and the message will differ according to the Window system version (Win98, 2000). If a message appears click "Next" until the message finishes.
- f. If the message "**Out Of Range**" appears on the screen, adjust the PC as in the 'Displayable Monitor Specification' section.
- g. Supportable resolution may vary as per graphic card.

Note

