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.

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 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.
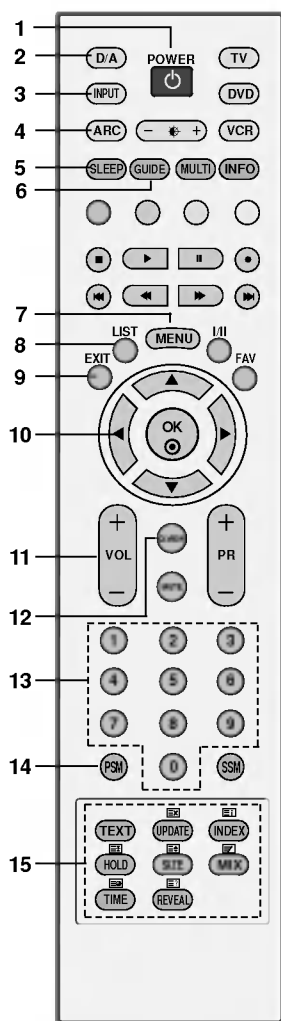
Location and function of controls

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

Remote control handset

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

1. **POWER**
   Switches the set on from standby or off to standby.

2. **D/A (Digital TV / Analogue TV)**
   Selects digital or analogue mode.
   Switches the set on from standby.

3. **INPUT**
   External input modes rotate in regular sequence: Digital, Analogue, AV1-3, Component 1-2, HDMI/DVI.
   Switches the set on from standby.

4. **ARC (Aspect Ratio Control)**
   Selects your desired picture format.

5. **SLEEP**
   Sets the sleep timer.

6. **GUIDE**
   Shows a programme schedule.

7. **MENU**
   Selects a menu.

8. **LIST**
   Displays the programme table.

9. **EXIT**
   Clears all on-screen displays and returns to TV viewing from any menu.

10. **OK**
    Accepts your selection or displays the current mode.
    ▲ / ▼ or ◄ / ►
    Adjusts menu settings.
    Selects menu item.

11. **VOL +/- (Volume Up/Down)**
    Increases/decreases sound level.

12. **Q.VIEW**
    Returns to the previously viewed programme.

13. **NUMBER BUTTONS**
    Switches the set on from standby or directly select a number.

14. **PSM (Picture Status Memory)**
    Recalls your preferred picture setting.

15. **TELETEXT BUTTONS**
    These buttons are used for teletext.
    For further details, see the 'Teletext' section.
    Text button is used to enable teletext services while other buttons are for teletext functions.

Location and function of controls

16. TV, DVD, VCR

Selects the remote operating mode: TV, VCR, DVD. Select other operating modes, for the remote to operate external devices.

17. ☀ +/-
Adjusts brightness on screen.
It returns to the default settings brightness by changing mode source.

18. INFO
Shows the present screen information.

19. MULTI
Selects the Component 1-2 or HDMI/DVI modes.

20. COLOURED BUTTONS
They are used as per the indications or functions displayed on the TV screen in the case of Text displays (Teletext, EPG) and programme edit.

21. VCR/DVD control buttons
Control some video cassette recorders or DVD players ("RECORD" button is not available for DVD player).

22. I/II
Selects the language during dual language broadcast.
Selects the sound output or the audio mode.

23. FAV (FAVOURITE)
Displays the selected favourite programmes.

24. PR +/- (Programme Up/Down)
Selects a programme.
Switches the set on from standby.

25. MUTE
Switches the sound on or off.

26. SSM (Sound Status Memory)
Recalls your preferred sound setting.

Battery installation

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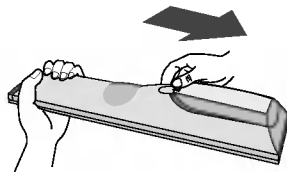
Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.
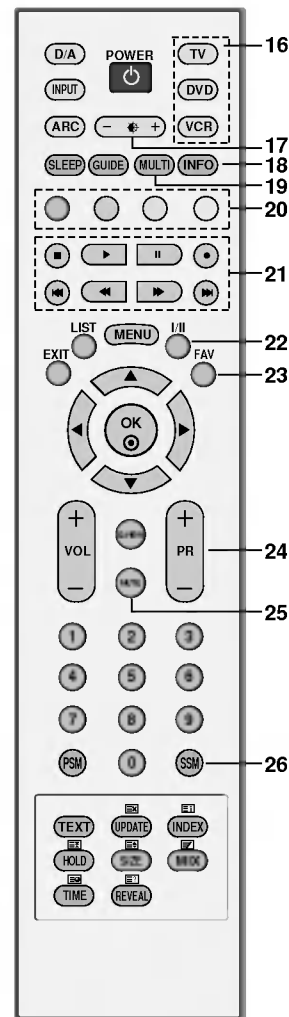
Location and function of controls

Front panel

32FS4D series

Side panel

1. **MAIN POWER (ON/OFF)**
   Switches the set on or off.

2. **POWER/STANDBY INDICATOR**
   illuminates brightly when the set is in standby
   mode.
   Dims when the set is switched on.

3. **MENU**
   Selects a menu.

4. **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.

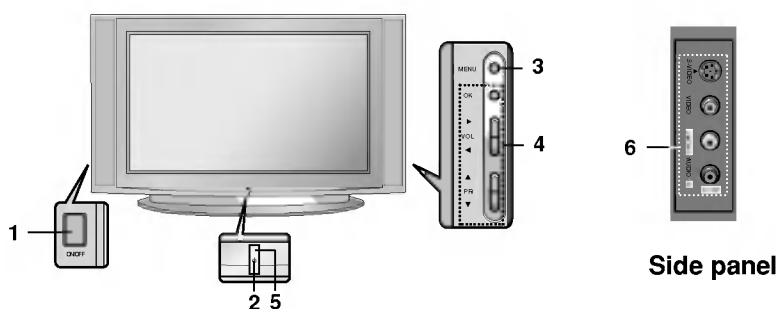5. **REMOTE CONTROL SENSOR**
   *Note : Only use the supplied remote control
   handset. (When you use others, they will not
   be able to function.)*

6. **AUDIO/VIDEO IN SOCKETS (AV IN3)**
   Connect the audio/video out sockets of exter-
   nal equipment to these sockets.
   S-VIDEO/AUDIO IN SOCKETS (S-AV)
   Connect the video out socket of an S-VIDEO
   VCR to the **S-VIDEO** socket.
   Connect the audio out sockets of the S-
   VIDEO VCR to the audio sockets as in **AV
   IN3**.

*Note: What is shown here may be somewhat dif-
ferent from your set or can not be supplied on your
area.*

Basic operation

Initializing setup

If the OSD (On Screen Display) is displayed on the screen as figure 1 after turning on the set, you can adjust the Auto Programme tuning, Time Zone selection or Password setting.
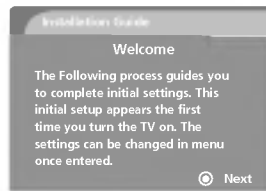

Figure 1.

Note : It will automatically disappear after approx. 40 seconds unless a button is pressed.

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, PR +/-, D/A, MULTI, INPUT** 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 **PR +/-** or NUMBER buttons.

Volume adjustment

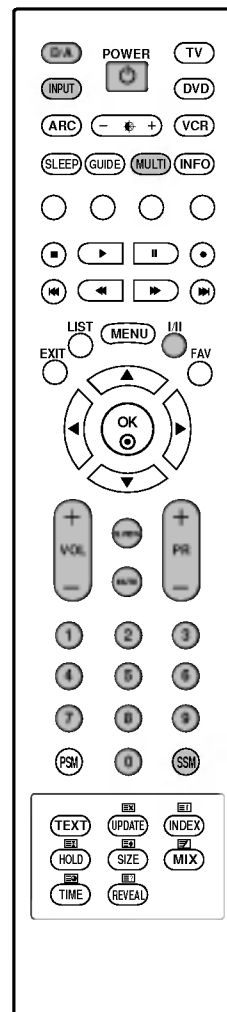Press the **VOL +/-** button to adjust the volume.

Quick view

Press the **Q.VIEW** button to view the last programme you were watching.

Mute function

Press the **MUTE** button. The sound is switched off and the display ◀- **MUTE** appears.
You can cancel it by pressing the **MUTE, VOL +/-, SSM, I/II** button.

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 ◀ / ▶ 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 : In Analogue mode, ***Cinema***, ***Subtitle*** or ***Signal strength*** will not display.

Setup menu

Lock menu

Picture menu

Special menu

Audio menu

Time menu
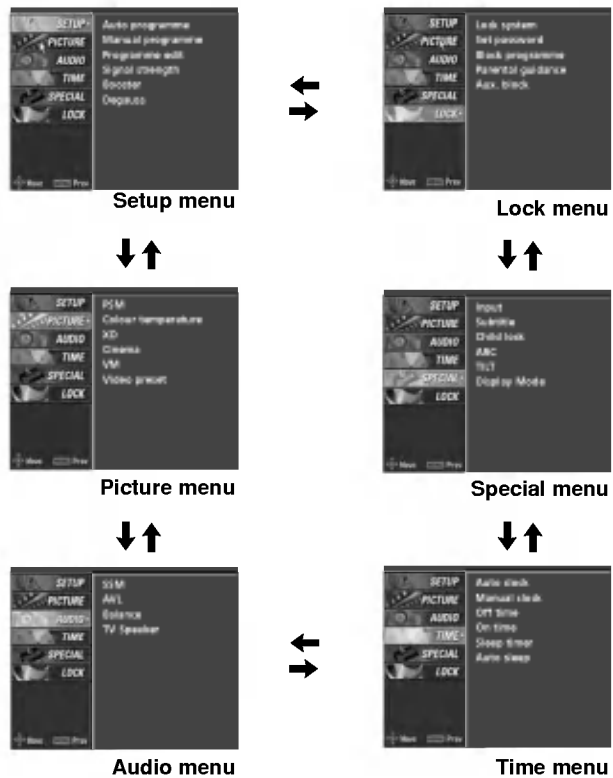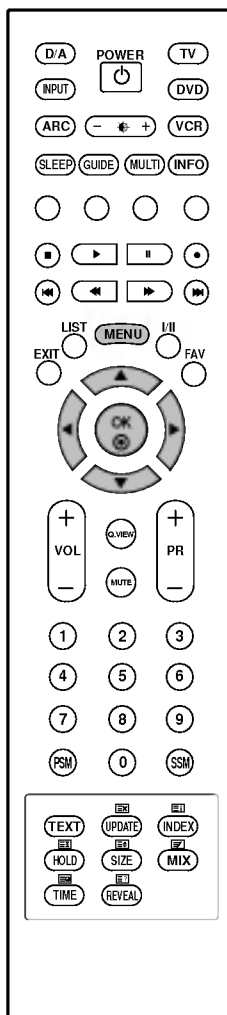
Setting up TV stations

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 **PR + / -** or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual modes.
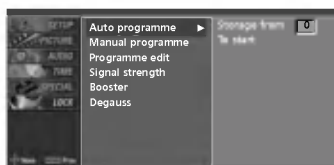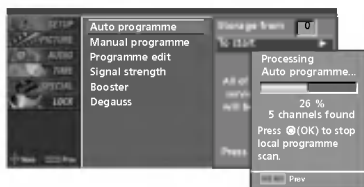
Auto programme tuning

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

1. Press the **MENU** button and then ▲ / ▼ button to select the Setup menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Auto programme**.
3. Press the ▶ button to select **Storage from**.

4. Select the beginning programme number with the ▲ / ▼ button or NUMBER buttons.
5. Press the ▶ button to select **To start**.
6. Press the **OK** button to begin auto programming.
   All receivable stations are stored.

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

   When auto programming is completed, the **Programme edit** menu appears on the screen. See the 'Programme Edit' section to edit the stored programme.
7. Press **EXIT** button to return to normal TV viewing.

Note :

a. *A password is required to gain access to Auto programme or Manual programme menu if the Lock system is turned on.*
b. *If you forgot your password, press '7', '7', '7', '7' on the remote control.*
c. *In Australia, if no station name can be assigned to a station, the programme number is assigned and stored as ----- followed by a number see 'Assigning a station name' section to assign the station name.*

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Setting up TV stations

Auto programme
Manual programme
Programme edit
Signal strength
Booster
Degauss
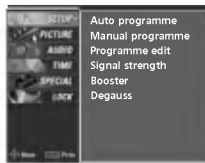
Manual programme tuning (In Digital Mode)

Manual programme lets you manually add a programme to your programme list.

1. Press the **MENU** button and then ▲ / ▼ button to select the Setup menu.
2. Press the ► button and then ▲ / ▼ button to select **Manual programme**.

Manual programme ► Select the digital channel for manual scanning

7
Signal strength

3. Press the ► button and then use ▲ / ▼ button to select the progaramme number you want to add.
4. Press the **OK** button to store the programme. When the programme number you want to add is already added in programme list, the message **"Already programmed channel. Do you want to update?"** will appear.

Auto programme
Manual programme   Select the digital channel
Programme edit   for manual scanning
Signal strength
Booster   7
Degauss   Signal strength

If you want to keep on manual programming, select **YES** with using ◄ / ► button . Then, press the **OK** button. Otherwise select **NO**.

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

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

Setting up TV stations

Manual programme tuning (In Analogue Mode)

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 ▲ / ▼ button to select the Setup menu.
2. Press the ► button and then ▲ / ▼ button to select **Manual programme**.

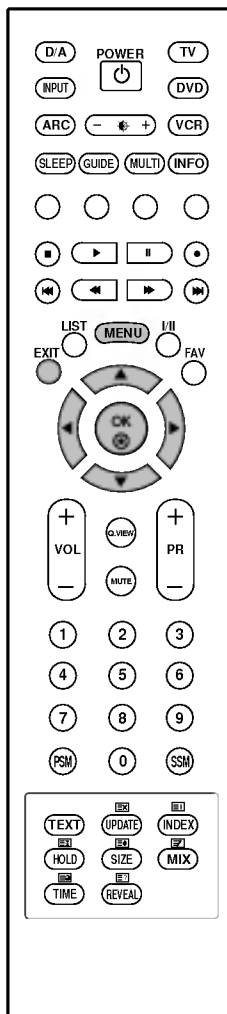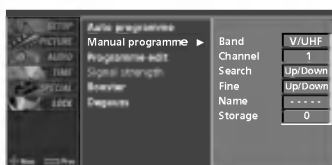3. Press the ► button to select **Band**. Press the ▲ / ▼ button to select **V/UHF** or **Cable** as required.
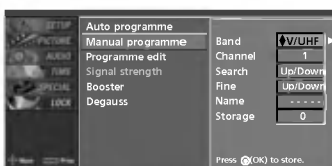
4. Press the ► button to select **Channel**. Press the ▲ / ▼ button to select the desired channel number.
5. Press the ► button to select **Search**. Press the ▲ / ▼ button to commence searching. If a station is found the search will stop.
6. If this station is the one required, press the ◄ / ► button to select Storage. Select the desired programme number with the ▲ / ▼ button.
7. Press the **OK** button to store it.
8. To store another station, repeat steps 3 to 7.
9. Press **EXIT** button to return to normal TV viewing.

Setting up TV stations

Auto programme
Manual programme
Programme edit
Signal strength
Booster
Degauss

Fine tuning (In Analogue Mode)

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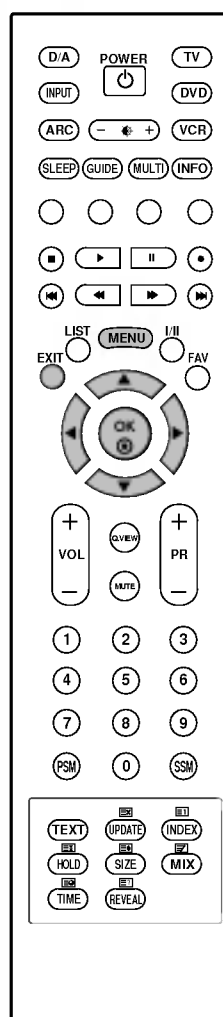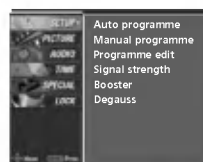The finely tuned programme will be indicated by a yellow number during programme selection.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **SETUP** menu.
2. Press the ► button and then use ▲ / ▼ button select **Manual programme**.
3. Press the ► button and then ◄ / ► button to select **Fine**.

Auto programme		
Manual programme	Band	V/UHF
Programme edit	Channel	1
Signal strength	Search	Up/Down
Booster	Fine	Up/Down
Degauss	Name	- - - - -
	Storage	0

Press ●(OK) to store.

4. Press the ▲ / ▼ button to fine tune for the best picture and sound.
5. Press the **OK** button to store.
6. Press **EXIT** button to return to normal TV viewing.

Assigning a station name (In Analogue Mode)

You can assign a station name with the characters to each programme number.

1. Press the MENU button and then use ▲ / ▼ button to select the **SETUP** menu.
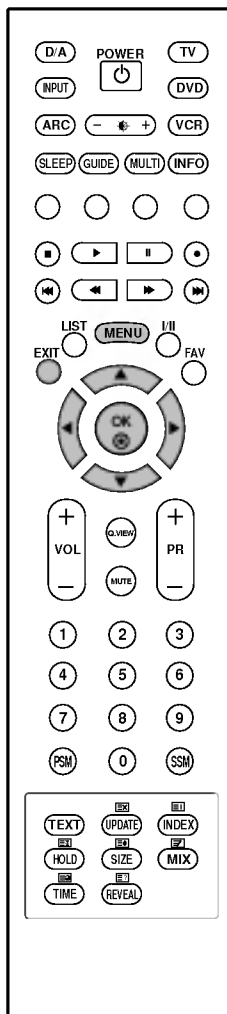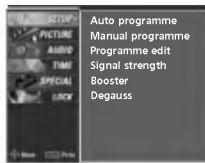2. Press the ► button and then use ▲ / ▼ button to select **Manual programme**.
3. Press the ► button and then use ◄ / ► button to select **Name**.

Auto programme		
Manual programme	Band	V/UHF
Programme edit	Channel	1
Signal strength	Search	Up/Down
Booster	Fine	Up/Down
Degauss	Name	- - - - -
	Storage	0

Press ●(OK) to store.
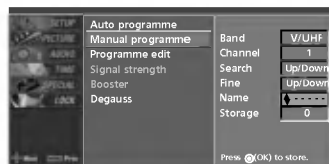
4. Press the ▲ / ▼ button. You can use the numeric **0** to **9**, the alphabet **A** to **Z** +, -, and blank.
5. Press the ◄ / ► button to select the position and make your choice of the second character, and so on.
6. Press the **OK** button to store.
7. Press **EXIT** button to return to normal TV viewing.

Setting up TV stations

Programme edit

This function enables you to delete or skip the stored pro-
grammes. You can also move some stations to other programme
numbers or copy blank station data into the selected programme
number.

1. Press the **MENU** button and then use ▲ / ▼ button to select
   the **SETUP** menu.
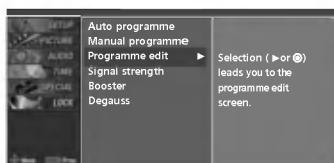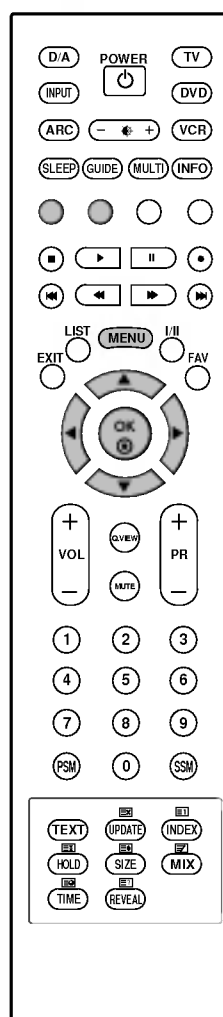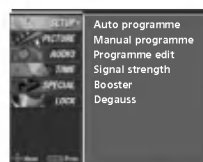2. Press the ► button and then use ▲ / ▼ button to select
   Programme edit.

```
Auto programme
Manual programme
Programme edit        ►    Selection ( ►or ◉)
Signal strength            leads you to the
Booster                    programme edit
Degauss                    screen.
```

3. Press the ► button.

4. ■ **Deleting a programme (In Analogue Mode Only)**
   a. Select a programme to be deleted with the ▲ ▼ ◄ ► button.
   b. Press the **RED** button twice. The selected programme is
      deleted, and all the following programmes are shifted up
      one position.

   ■ **Copying a programme (In Analogue Mode Only)**
   a. Select a programme to be copied with the ▲ ▼ ◄ ► button.
   b. Press the **GREEN** button.
   c. Move the programme to the desired programme number
      with the ▲ ▼ ◄ ► button.
   d. Press the **GREEN** button again to move the programme. All
      the following programmes are shifted down one position.

```
Auto programme
Manual programme
Programme edit
Signal strength
Booster
Degauss
```

Setting up TV stations

Auto programme
Manual programme
Programme edit
Signal strength
Booster
Degauss
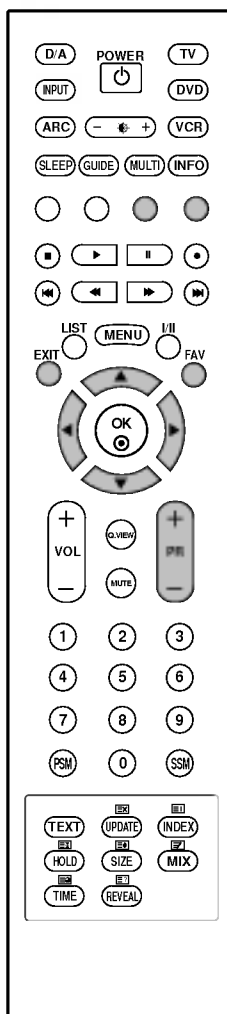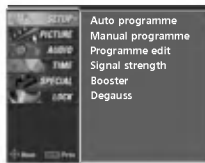
■ **Moving a programme (In Analogue Mode Only)**

a. Select a programme to be moved with ▲ ▼ ◄ ► button.

b. Press the **YELLOW** button.

c. Move the programme to the desired programme number
with the ▲ ▼ ◄ ► button.

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

■ **Skipping a programme number**

a. Select a programme number to be skipped with ▲ ▼ ◄ ►
button.

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

c. Press the **BLUE** button again to release the skipped pro-
gramme.

When a programme number is skipped it means that you will
be unable to select it using the **PR +/-** button during normal
TV viewing. If you want to select the skipped programme,
directly enter the programme number with the NUMBER but-
tons or select it in the programme edit or table menu.

■ **Selecting Favourite Programme**

a. Select your favourite programme number with ▲ ▼ ◄ ►
button and then press the **FAV** button. It will automatically
include the selected programme into your favourite pro-
grammes list and a heartmark will appear in front of that
programme number. You can store up to 10 programmes.

5. Repeatedly press the **FAV** button to select stored favourite
programmes in normal TV viewing.

Setting up TV stations

Calling up the Programme Table

You can check the programmes stored in the memory by displaying the programme list.
One programme table contains ten programmes as below.
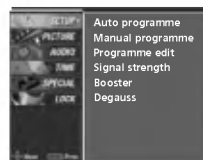
Displaying programme list

■ Press the **LIST** button to display the Programme table menu.
The programme table appears on the screen.

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.

Selecting a programme in the programme table

Select a programme with the ▲ ▼ ◄ ► button.
Then press the **OK** button.
The set switches to the chosen programme number.

Paging through a programme table

There are 28 programme table pages which contain 100 programmes.
Press the **PR +/-** button to changes current page into previous/next page.
Press the **LIST** button to return to normal TV viewing.

Setting up TV stations
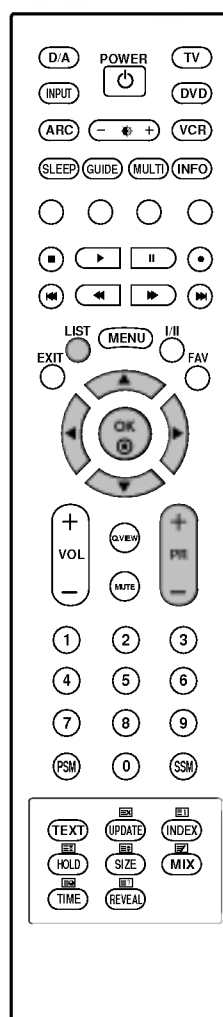
Auto programme
Manual programme
Programme edit
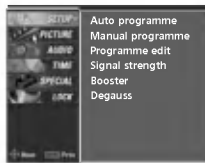Signal strength
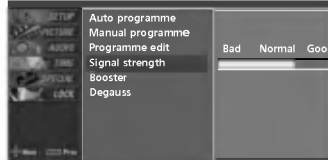Booster
Degauss

Digital signal strength (In Digital Mode)

Reveals how strong your DTV signal is and whether you need to adjust your antenna.

The higher the signal strength, the less likely you are to experience picture degradation.

Digital TV Signals; May not be available in all areas, nor broadcast all programmes.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **SETUP** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Signal strength**.

Auto programme
Manual programme
Programme edit   Bad   Normal   Good
Signal strength
Booster
Degauss

3. View the on-screen signal strength monitor to see the strength of the signal being received.

Booster

If the reception is poor at the fringe area of the TV signal, select **Booster** to **On**. When the picture condition is good, do not select **Booster** to **On**.

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

Auto programme
Manual programme
Programme edit
Signal strength
Booster   ▶   Off
Degauss   On

3. Press the ▶ button and then use ▲ / ▼ button to select **Off** or **On**.
4. Press **EXIT** button to return to normal TV viewing.
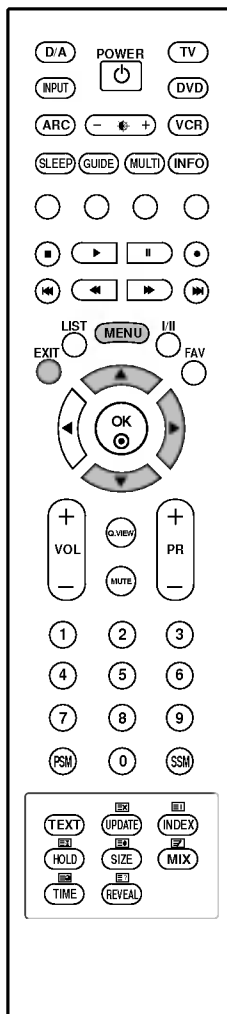
Setting up TV stations

Degaussing

Auto programme
Manual programme
Programme edit
Signal strength
Booster
Degauss

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.

1. Press the **MENU** button and then ▲ / ▼ button to select the Setup menu.
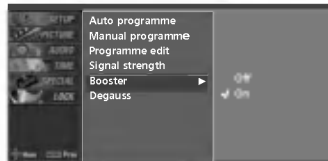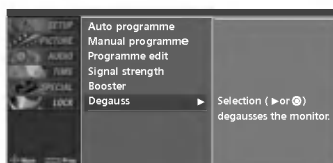2. Press the ► button and then ▲ / ▼ button to select **Degauss**.
3. Press the ► or **OK** button to degausses the monitor.

Auto programme
Manual programme
Programme edit
Signal strength
Booster
Degauss ►   Selection (► or ⊚)
degausses the monitor.

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

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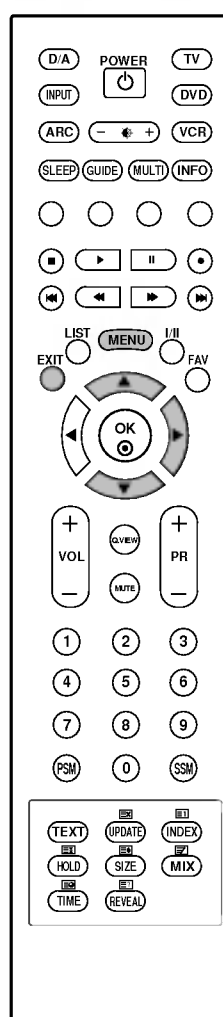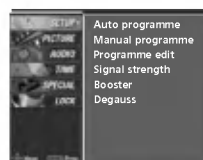
Picture adjustment

PSM (Picture Status Memory)

This function adjusts the set to the best picture appearance.

When adjusting picture options (contrast, brightness, colour, sharpness and tint) manually, **PSM** is automatically changed to User.
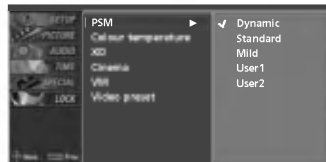
Picture options Dynamic, Standard, and Mild are preset and pro-grammed for good picture quality at the factory and cannot be changed.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **PSM**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Dynamic, Standard, Mild, User1**, or **User2**.

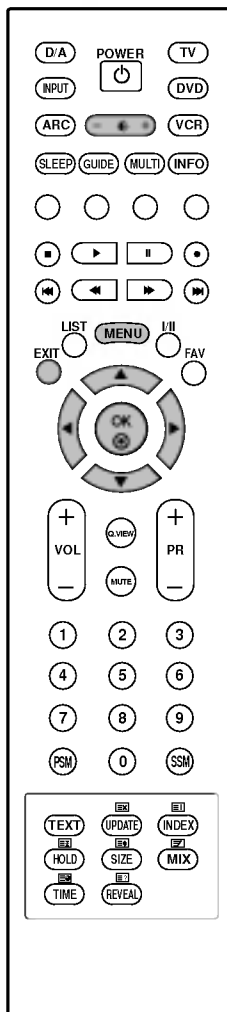4. Press the **OK** or ◀ button.
5. Press **EXIT** button to return to normal TV viewing.

Brightness adjustment

Adjust the brightness with using this button on the remote control.

Press the ⊝ ✳ ⊕ button.
Adjust the desired screen brightness.

Picture adjustment

Manual Picture Control (PSM-User option)

You can adjust picture Contrast, Brightness,Colour, Sharpness,
and Tint options to the levels you prefer.
In NTSC AV, Component 60Hz, HDMI/DVI-DTV 60Hz mode, Tint
is available.

1. Press the **MENU** button and then use ▲ / ▼ button to select
    the **PICTURE** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **PSM**.
3. Press the ▶ button and then use ▲ / ▼ button to select **User**
    1 or **User 2**.
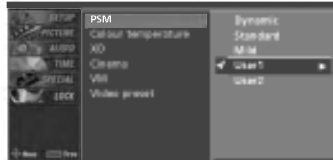
4. Press the ▶ button and then use ▲ / ▼ button to select the
    desired picture option (**Contrast, Brightness, Colour,**
    Sharpness, or **Tint**).

5. Press the ▶ button and then use ◀ / ▶ button to make appro-
    priate adjustments.

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

Picture adjustment

Auto Colour Temperature Control

Choose one of three automatic color adjustments. Set to warm to enhance hotter colors such as red, or set to cool to see less intense colors with more blue.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Colour Temperature**.
3. Press the ▶ button and then use ▲ / ▼ button to select either **Warm, Medium, Cool**, or **User**.

4. Press **EXIT** button to return to normal TV viewing.
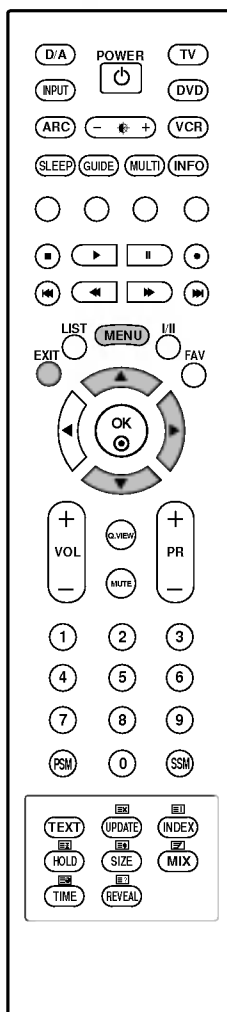
Picture adjustment

Manual Colour Temperature Control

You can also adjust the detailed settings (Red, Green, Blue) by selecting the **User** menu.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ► button and then use ▲ / ▼ button to select **Colour Temperature**.
3. Press the ► button and then use ▲ / ▼ button to select **User**.
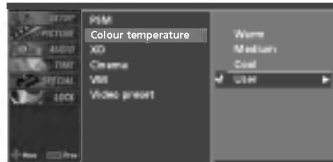
4. Press the ► button and then use ▲ / ▼ button to select **Red, Green**, or **Blue**.
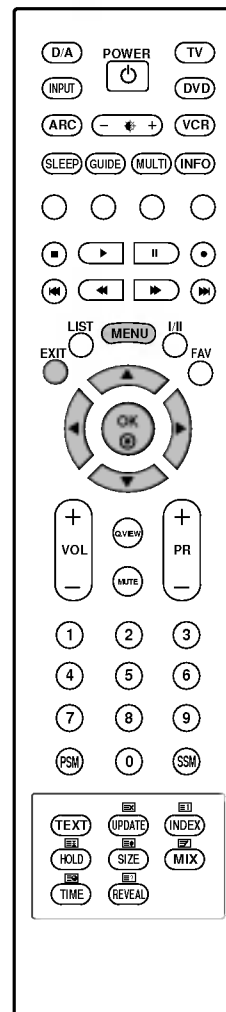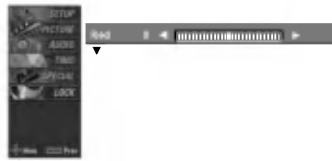
5. Press the ► button and then use ◄ / ► button to make appropriate adjustments.
   ■ The adjustment range of **Red, Green**, or **Blue** is -10~ +10.
6. Press **EXIT** button to return to normal TV viewing.
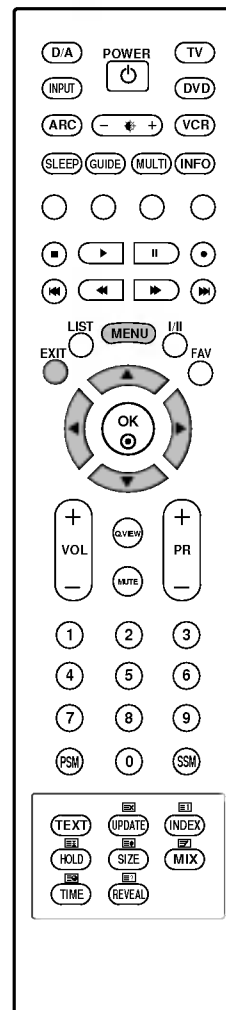
Picture adjustment
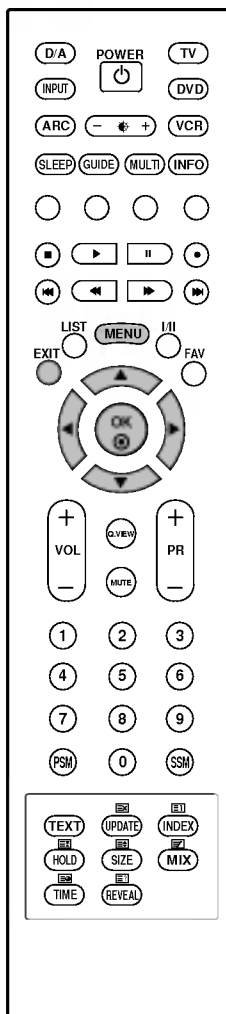
XD

XD is LG Electronic's unique picture improving technology to display a real HD source through an advanced digital signal processing algorithm.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **XD**.
3. Press the ▶ button and then use ▲ / ▼ button to select **On** or **Off**.
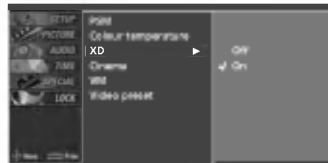
4. Press the **OK** or ◀ button.
5. Press **EXIT** button to return to normal TV viewing.

Cinema

Set up the TV for the best picture appearance for viewing movies. This feature operates only in AV1, AV2, AV3 and Component 1-2 (480i/576i) mode.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Cinema**.
3. Press the ▶ button and then use ▲ / ▼ button to select **On** or **Off**.

4. Press the **OK** or ◀ button.
5. Press **EXIT** button to return to normal TV viewing.

Picture adjustment

VM (Velocity Modulation)

This is the function to enhance the sharpness of image edge.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ► button and then ▲ / ▼ button to select **VM**.
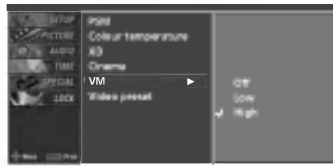
3. Press the ► button and then use ▲ / ▼ button to select **Off, Low** or **High**.
4. Press **EXIT** button to return to normal TV viewing.

Video preset

Use to quickly reset all the Video menu options to their original factory preset values.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **PICTURE** menu.
2. Press the ► button and then use ▲ / ▼ button to select **Video Reset**.

3. Press the ► button to reset the Video menu options to original values.
4. Press **EXIT** button to return to normal TV viewing.
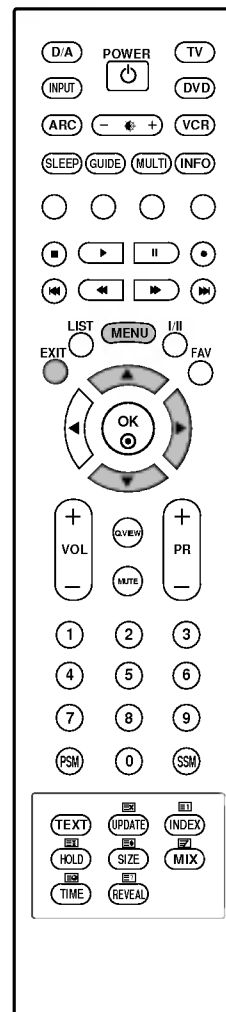
Audio adjustment

SSM (Sound Status Memory)

SSM lets you enjoy the best sound without any special adjust-
ment because the TV sets the appropriate sound options based
on the programme content.
When adjusting sound options (treble and bass) manually, SSM is
automatically changed to User.
Standard, Music, Movie, and Sports are preset for good sound
quality at the factory and are not adjustable.

1. Press the **MENU** button and then use ▲ / ▼ button to select
the **AUDIO** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **SSM**.
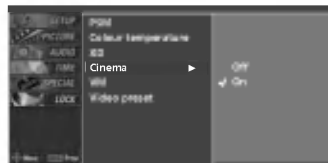3. Press the ▶ button and then use ▲ / ▼ button to select
Standard, Music, Movie, Sports or **User**.

4. Press **EXIT** button to return to normal TV viewing.
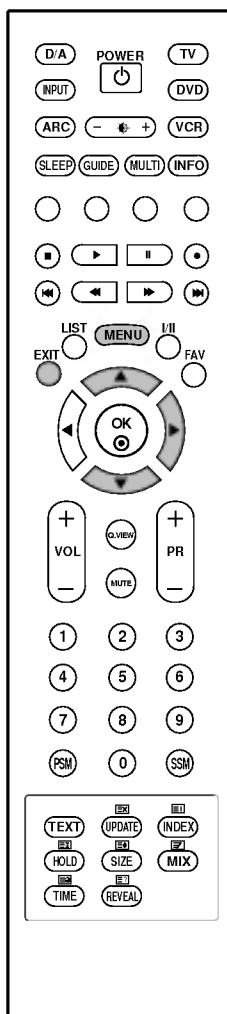
Audio adjustment

Manual sound Control (SSM-User option)

Adjust the sound to suit your taste and room situations.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **AUDIO** menu.
2. Press the ► button and then use ▲ / ▼ button to select **SSM**.
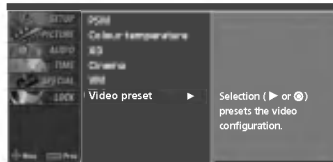3. Press the ► button and then use ▲ / ▼ button to select **User**.
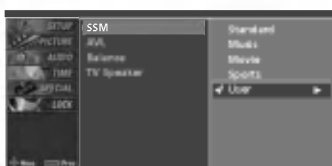
4. Press the ► button and then use ▲ / ▼ button to select the desired sound option (**Treble, Bass** or **Front Surround**).
5. Press the ► button and then use ◄ / ► button to make appropriate adjustments.

Selecting the Front surround

Press the ► button and then use ◄ / ► button to select **Off** or **SRS**(Sound Retrieval System)**TruSurround XT**.

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

Note :

SRS TruSurround XT : *Takes advantage of any multi-channel format without needing to add extra speakers or equipment. Dialog clarity, bass enrichment, and the addition of stereo audio enhancement produces an immersive sound experience from standard stereo material.*
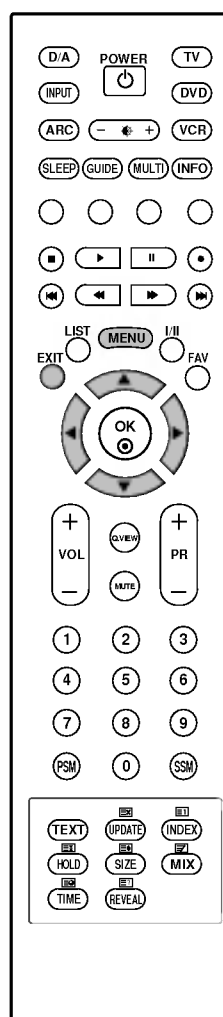
Audio adjustment

Auto Volume Leveller (AVL)

AVL automatically keeps on an equal volume level even if you change programmes.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **AUDIO** menu.
2. Press the ► button and then use ▲ / ▼ button to select **AVL**.
3. Press the ► button and then use ▲ / ▼ button to select **Off** or **On**.

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

Balance

Adjust the left/right sound of speaker to suit your taste and room situations.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **AUDIO** menu.
2. Press the ► button and then use ▲ / ▼ button to select **Balance**.

3. Press the ► button and then use ◄ / ► button to make appropriate adjustments.

4. Press **EXIT** button to return to normal TV viewing.
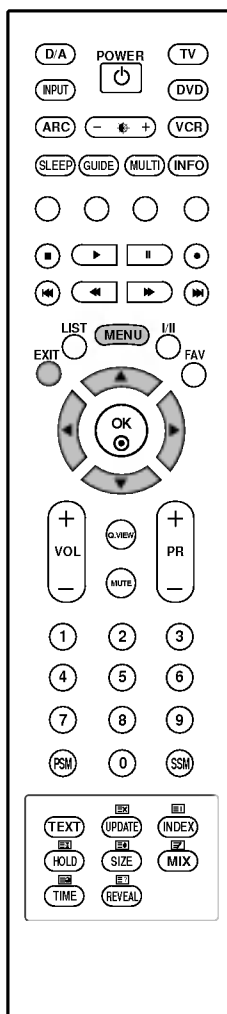
Audio adjustment

TV Speakers On/Off Setup

Turn the TV speakers off if using external audio equipment.
In AV1-3, Component1-2 and HDMI/DVI mode, the audio signal can be outputted even though there is no video signal.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **AUDIO** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **TV Speaker**.
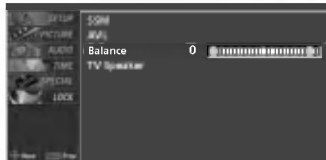3. Press the ▶ button and then use ▲ / ▼ button to select **Off** or **On**.
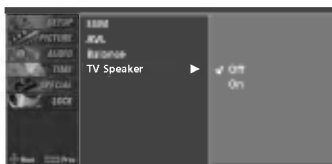
4. Press **EXIT** button to return to normal TV viewing.

Stereo Reception (In Analogue Mode)

■ Mono sound selection

If the stereo signal is weak in stereo reception, 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.

Broadcast	On Screen Display
Mono	**MONO**
Stereo	**STEREO**

Sound output selection

In AV 1-3, Component 1-2 or HDMI/DVI 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 the left loud speaker and audio signal from audio R input is sent to the 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.

Note : In digital mode, repeatedly press the *I/II* button to change the audio mode (MPEG or DOLBY DIGITAL).
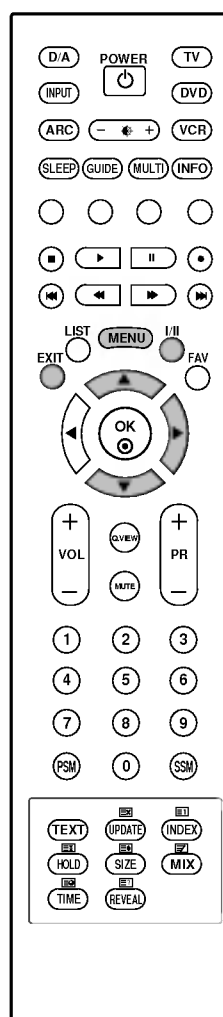
Time setting

Auto Clock Setup

The time is automatically set from a digital channel signal.
The digital channel signal includes information for the current time provided by the broadcasting station.
Set the clock manually, if the current time is set incorrectly by the auto clock function.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **TIME** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Auto clock**.
3. Press the ▶ button and then use ▲ / ▼ button to select **On**.
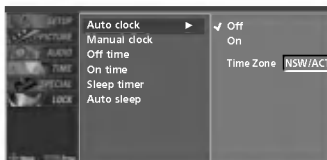
4. Press the ▶ button and then use ▲ / ▼ button to select your viewing area time zone:
   NSW/ACT, NT, TAS, WA, SA, QLD or **VIC**.
5. Press **EXIT** button to return to normal TV viewing.

Manual Clock Setup

If the current time setting is wrong, reset the clock manually.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **TIME** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select Manual clock.

3. Press the ▶ button and then use ◄ / ▶ to select either the year, date, or time option. Once selected, use the ▲ / ▼ button to set the year, date, and time options.
4. Press **EXIT** button to return to normal TV viewing.

28
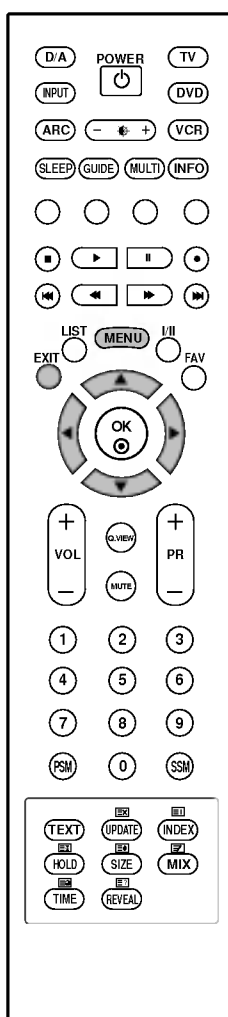
Time setting

On/Off Time Setup

The time function operates only if the current time has been set.
The Off-Time function overrides the On-Time function if they are both set to the same time.
The TV must be in standby mode for the On-Time to work.
If you do not press any button within 2 hours after the TV turns on with the On Time function, the TV will automatically revert to standby mode.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **TIME** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Off time** or **On time**.
3. Press the ▶ button and then use ▲ / ▼ button to select **On**.
   ■ To cancel the **On/Off time** function, select **Off**.

```
Auto clock
Manual clock
Off time
On time            ▶      ✓ Off
Sleep timer                 On
Auto sleep                Time    6 : 30  AM
                          PR    ANALOGUE   0
                          Vol            1/
```
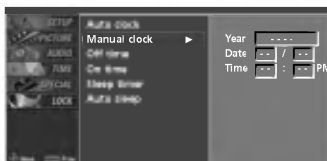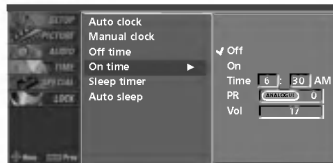
4. Press the ▶ button and then use ▲ / ▼ button to set the hour.
5. Press the ▶ button and then use ▲ / ▼ button to set the minutes.
6. **Only On time**
   Press the ▶ button and then use ▲ / ▼ to select the programme at turn-on.
   Press the ▶ button and then use ▲ / ▼ to set the sound level at turn-on.
7. Press **EXIT** button to return to normal TV viewing.
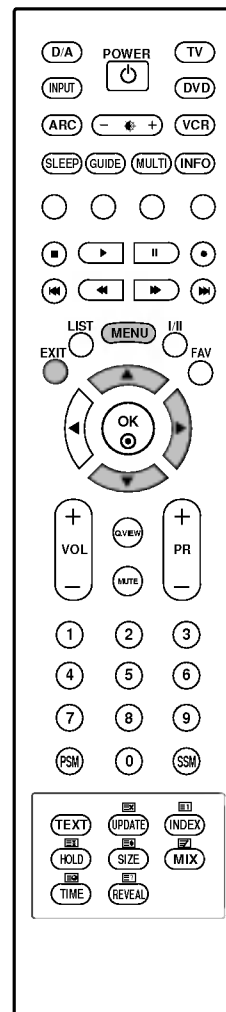
Time setting

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.

1. Press the **SLEEP** button repeatedly to select the number of minutes. First the **Off** option appears on the screen, followed by the following sleep timer options : **10, 20, 30, 60, 90, 120, 180** and **240 minutes**.
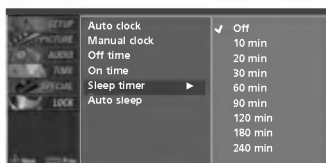
2. When the number of minutes you want is displayed on the screen, press the **SLEEP** button. The timer begins to count down from the number of minutes selected.
3. To check the remaining minutes before the TV turns off, press the **SLEEP** button once.
4. To cancel the Sleep Timer, press the **SLEEP** button repeatedly to select **Off**.
5. When you swtch the set off, the set release the preset sleep time.

Note : *You can also set up the Sleep timer in the TIME menu.*

Auto sleep

If set to on and there is no input signal, the TV turns off automatically after 10 minutes.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **TIME** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Auto sleep**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Off** or **On**.
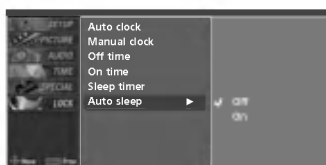
4. Press EXIT button to return to normal TV viewing.
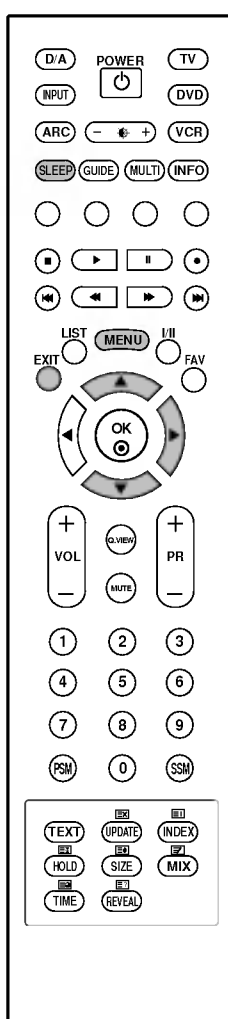
Special functions

Main Picture Source Selection

Alternatively you can select the Digital, Analogue, AV1, AV2, AV3, Component 1, Component 2 or HDMI/DVI mode by pressing the **INPUT** button.
Press the **D/A TV** button to select digital or analogue mode.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **SPECIAL** menu.
2. Press the ► button and then use ▲ / ▼ button to select **Input**.
3. Press the ► button and then use ▲ / ▼ to select **Digital, Analogue, AV1, AV2, AV3, Component 1, Component 2** or **HDMI/DVI**.
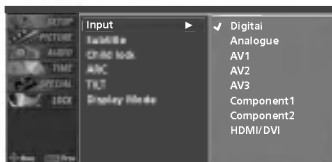
4. Press **EXIT** button to return to normal TV viewing.

Subtitle (In Digital Mode)

You can select Subtitle on or off with the **TEXT** button in DTV mode.

1. Press the **MENU** button and then use ▲ / ▼ button to select the **SPECIAL** menu.
2. Press the ► button and then use ▲ / ▼ button to select **Subtitle**.
3. Press the ► button and then use ▲ / ▼ button to select **Off** or **On**.
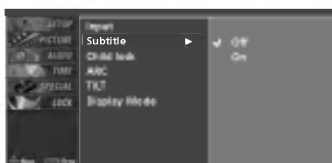
4. Press **EXIT** button to return to normal TV viewing.
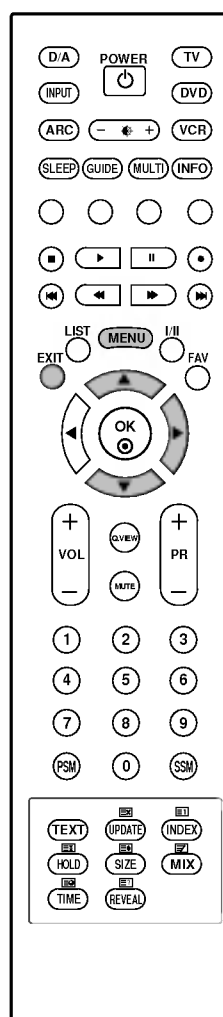
Special functions

Child Lock

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

1. Press the **MENU** button and then use ▲ / ▼ button to select the **SPECIAL** menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Child lock**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Off** or **On**.

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

Note :

a. *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.*

b. *The display '**Child lock : On**' will not appear on the screen if any button on the front panel is pressed while displaying the menus.*
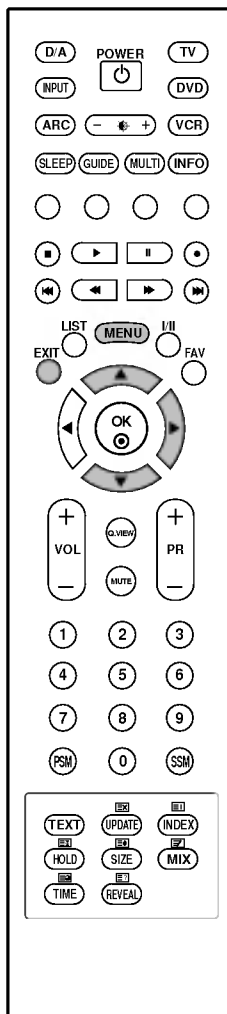
Special functions

Picture Format

You can watch TV in various picture formats; Auto, 4:3, 16:9 (Wide), 14:9, Zoom and Cinema zoom.

Note :

a. If a fixed image is displayed on the screen for a long time, it image may become imprinted on the screen and remain visible.
b. This phenomenon is common to all manufactures and in consequence the manufactures warranty does not cover the product bearing this phenomenon.

1. Press the **ARC** button repeatedly to select the desired picture format.
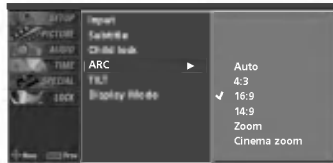
■ You can also adjust **ARC** in the **SPECIAL** menu.

Auto

Selects the proper picture proportion to match the source's image. (Not available in all countries)

4:3

Choose 4:3 when you want to view a picture with an original 4:3 aspect ratio.

16:9

Adjust the picture horizontally, in a linear proportion to fill the entire screen.

14:9

The screen size is, more enlarged at both sides, to create a spectacular view.
You can move the 14:9 screen using ▲ / ▼ button. The adjustment range is -10 - +10.

Zoom

Choose Zoom when you want to view the picture without any alteration. However, the top and bottom portions of the picture will be cropped.
You can move the Zoom screen using ▲ / ▼ button. The adjustment range is -16 - +16.

Cinema Zoom

Choose Cinema Zoom when you want to enlarge the picture in correct proportion. Note: When enlarging or reducing the picture, the image may become distorted.
You can adjust the enlarge proportion of Cinema Zoom using ▲ / ▼ button.
The adjustment range is 1-16.

Note : Auto: When your TV receives the wide screen signal, it will be automatically changed to the picture format to be sent. (Not available in all countries)
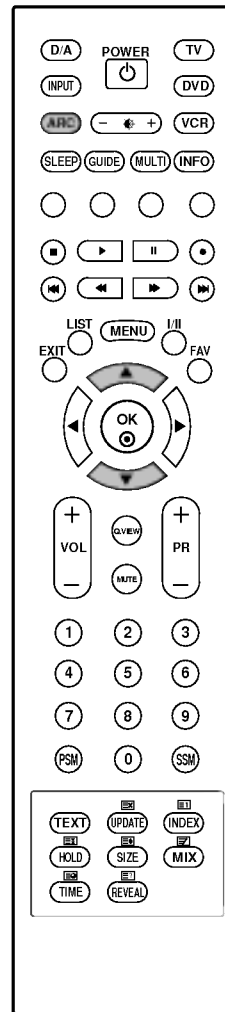
Special functions

Tilt

The TV picture may tilt to the left or right if the TV set moves to another position. This function can be used to compensate the tilt.

1. Press the **MENU** button and then ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Tilt**.
3. Press the ▶ button and then ◀ / ▶ button of the panel control to adjust the tilt on the **Tilt** pull-down menu.
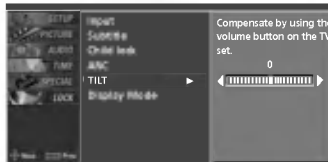
4. Press **EXIT** button to return to normal TV viewing.

Display Mode

It's not available to use this function in AV 60Hz, Digital mode.

1. Press the **MENU** button and then ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Display Mode**.
3. Press the ▶ button and then use ▲ / ▼ button to select **100Hz** or **50Hz**.

4. Press the **OK** or ◀ button.
5. Press **EXIT** button to return to normal TV viewing.
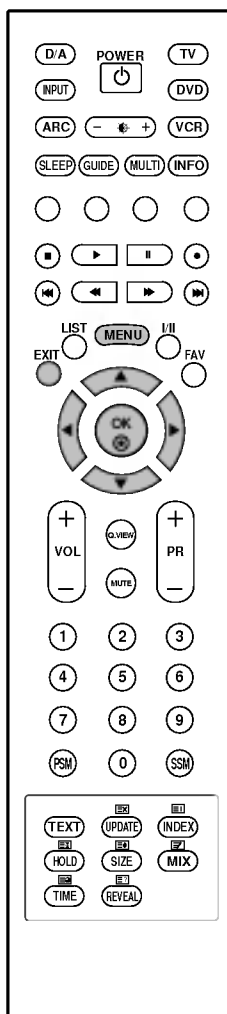
Lock adjustment

Setting Up Your Password

Set up blocking schemes to block specific channels, ratings, and external viewing sources.
A password is required to gain access to this menu.

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **LOCK** menu. Then, press the ▶ button.
   - Enter the password as requested.
   - The TV is set up with the initial password "0-0-0-0".

Enter Password

Lock system

Enables or disables the blocking scheme you set up previously.

1. After inputting the password, use the ▲ / ▼ button to choose **Lock system**.
2. Press the ▶ button and then use the ▲ / ▼ button to select **On** or **Off**.
   - When you select **On**, the Lock System is enable.

Lock system
Set password
Block programme
Parental guidance
Aux. block
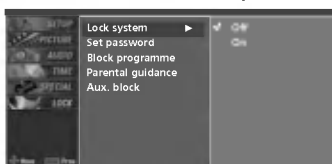
3. Press **EXIT** button to return to normal TV viewing.

Set Password

Change the password by inputting a new password twice.

1. After inputting the password, use the ▲ / ▼ button to choose Set password.
2. Press the ▶ button and then choose any 4 digits for your new password next to New.
   As soon as the 4 digits are entered, re-enter the same 4 digits on the Confirm.
   The new password is memorized.

Lock system
Set password
Block programme
Parental guidance
Aux. block

New
Confirm
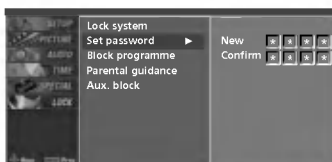
3. Press **EXIT** button to return to normal TV viewing.

Note : *If you ever forget your password, key in '7', '7', '7', '7' on the remote control.*
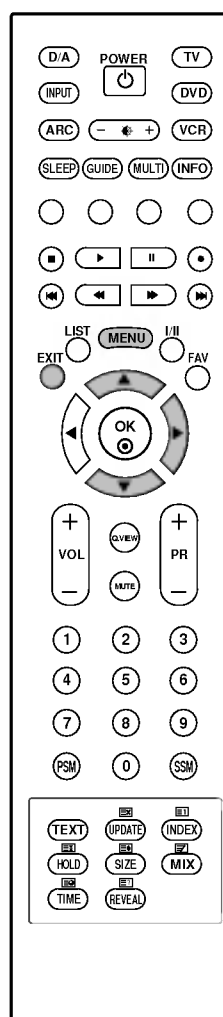
Lock adjustment

Block programme

Select a channel number that you wish to block.

1. After inputting the password, use the ▲ / ▼ button to choose **Block programme**.
2. Press the ► button. You will now see a screen filled with channel numbers and a preview picture.
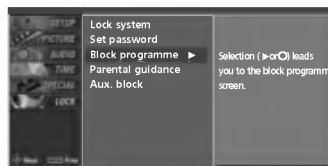
3. Use ▲ ▼ ◄ ► button to select a channel and then use the **OK** button to block or unblock it.

4. Press **EXIT** button to return to normal TV viewing.
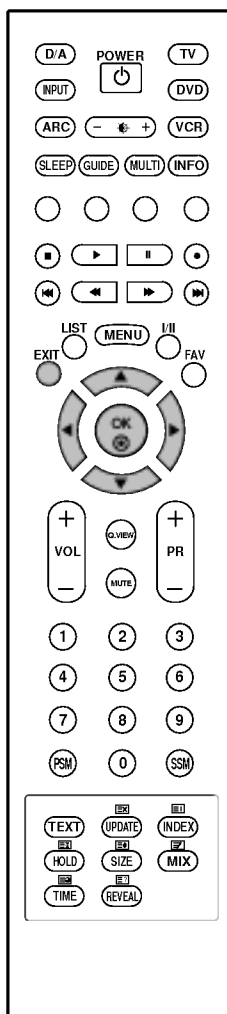
Lock adjustment

Parental guidance (In Digital Mode)

Prevents children from watching certain children's TV programs, according to the ratings limit set.

1. After inputting the password, use the ▲ / ▼ button to choose **Parental guidance**.
2. Press the ▶ button and then use the ▲ / ▼ to select **G, PG, M, MA, AV** or **R**.
   - **G** (General audience)
   - **PG** (Parental guidance suggested)
   - **M** (Mature audiences)
   - **MA** (Mature adult audiences)
   - **AV** (Adult audiences)
   - **R** (Restricted)
   - **Blocking Off** (Permits all programs)

Lock system	
Set password	
Block programme	G
Parental guidance ▶	PG
Aux. block	M
	MA
	AV
	R
	Blocking Off
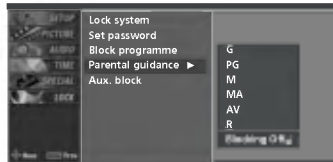
3. Press **EXIT** button to return to normal TV viewing.

Aux. block

Enables you to select a source to block from the external source devices you have hooked up.

1. After inputting the password, use the ▲ / ▼ button to choose **Aux. block**.
2. Press the ▶ button and then use the ◀ / ▶ button to select a source.

Lock system		
Set password	AV1	On
Block programme	AV2	On
Parental guidance	AV3	Off
Aux. block ▶	Component1	Off
	Component2	On
	HDMI/DVI	On
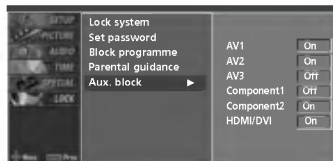
3. Press the ▶ button and then use the ▲ / ▼ button to select **On** or **Off** on the each source.
4. Press **EXIT** button to return to normal TV viewing.
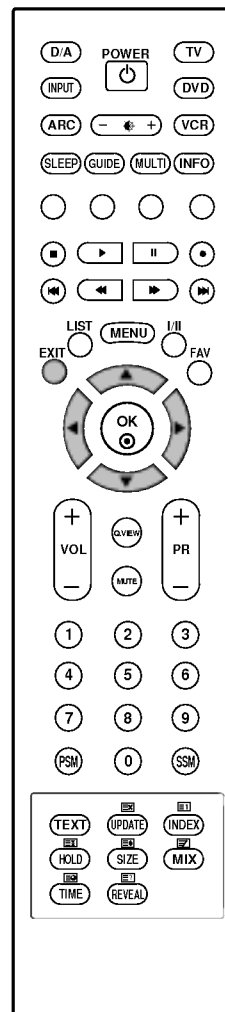
Teletext (option)

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.
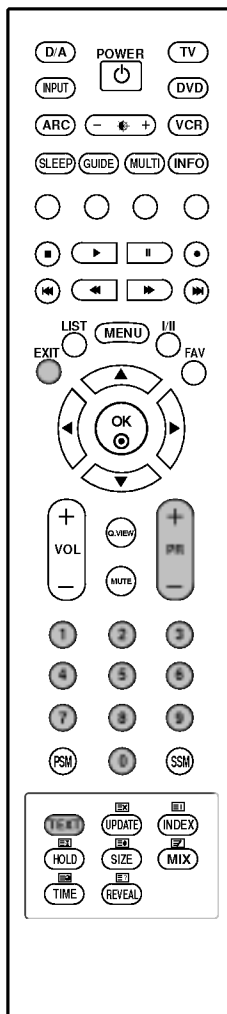
Switch on/off

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 **EXIT** 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 **PR +/-** button can be used to select the preceding or following page.

Teletext (option)

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 **PR +** button can be used.
4. The red button permits to return to previous selection.
   Alternatively the **PR -** 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 [≡i] button to select the index page.
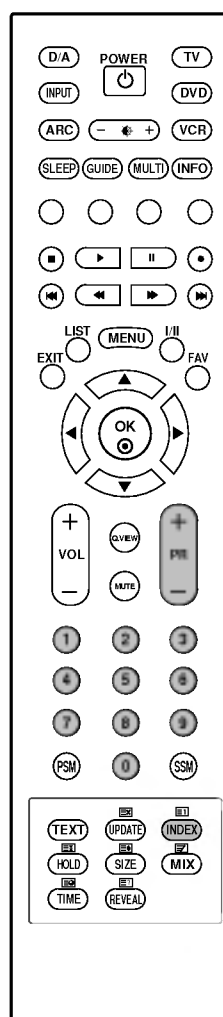2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The **PR +/-** button can be used to select the preceding or following page.

Teletext (option)

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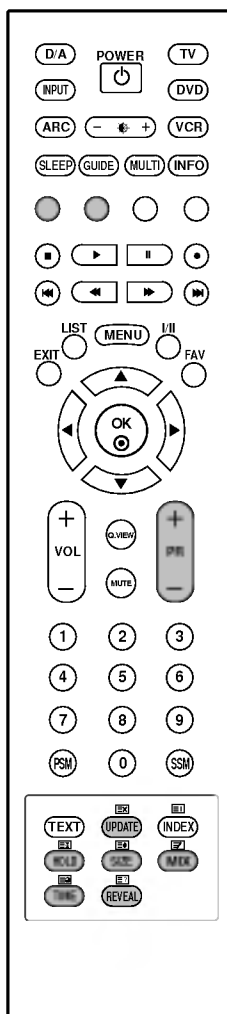
REVEAL
Press this button to display concealed information, such as solutions of riddles or puzzles.
Press this button again to remove the information from the display.

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.
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, **PR +/-** button.
Press this button again to exit this function.

EPG functions

EPG (Electronic Programme Guide) (In Digital Mode)

This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

This function can be used only when the EPG information is broadcasted by broadcasting companies.

Switch on/off EPG

Press the **GUIDE** button to switch on EPG.
Press the **GUIDE** or **EXIT** button again to switch off EPG and return to TV viewing.

Select a programme

Press the ▲ ▼ ◄ ► button to select desired programme, then press the **OK** button to display the selected programme.

Remote Control Buttons	Function
RED	Shows the TV or Radio programmes
GREEN	The detail information on or off

Connection of external equipment

VCR

VCR

VCR

VCR

You can connect additional equipment, such as VCRs, camcorders etc. to your set.
What is shown here may be somewhat different from your set.

Aerial socket

1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.

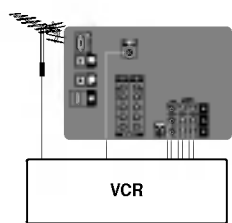## Audio/Video in/out sockets (option)

1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set and in sockets of the VCR to RF OUT sockets of the set.
2. If the VCR is connected to the AV sockets on the set, press the **INPUT** button to select **AV1**, **AV2** or **AV3**.
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.
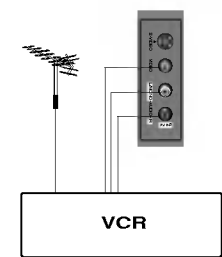
S-Video/Audio in sockets (S-AV) (option)

When connecting an S-VIDEO VCR to the **S-VIDEO** socket, the picture quality will be further improved.

1. Connect the S-Video socket of the VCR to the **S-VIDEO** socket of the set.
2. Connect the audio cable from the S-VIDEO VCR to the **AUDIO** sockets of the set.
3. Select **AV1** or **AV3** by pressing the **INPUT** button repeatedly.
4. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

Note : If both **S-VIDEO** and **VIDEO** sockets have been connected to the S-VHS VCR simultaneously, only the **S-VIDEO** can be received.
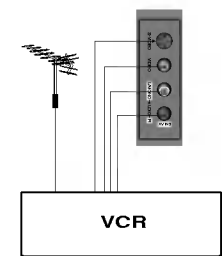
Connection of external equipment

Component in sockets

1. Connect the COMPONENT video output sockets (Y Cb Cr, Y Pb Pr or Y B-Y R-Y) of the COMPONENT 1/2 (480i/480p/576i/576p/720p/1080i) to the COMPONENT INPUT sockets (Y P$_B$ P$_R$) on the set.
2. Connect the audio cable from the COMPONENT (480i/480p/576i/576p/720p/1080i) to AUDIO IN sockets of COMPONENT.
3. Press the **INPUT** button to select **COMPONENT 1/2**.
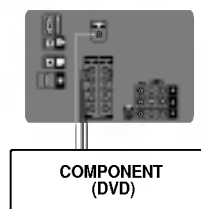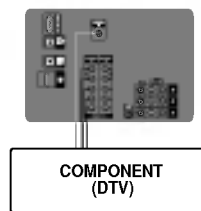4. Press the **PLAY** button on the COMPONENT.
   The COMPONENT playback picture appears on the screen.

COMPONENT
(DVD)

DTV in sockets

■ **When connecting Component cable**

1. Connect the HD-SET TOP inputs of the COMPONENT to the COMPONENT IN 1/2 sockets (Y P$_B$ P$_R$) on the set.
2. Connect audio inputs to Audio sockets of COMPONENT.
3. Press the **INPUT** button to select **COMPONENT 1/2**.

■ **When connecting HDMI cable**

1. Connect the HD-SET TOP to HDMI/DVI IN jack on the set.
   (No separated audio connection is necessary.)
2. Turn on the digital set-top box.
   (Refer to the owner's manual for the digital set-top box.)
3. Select **HDMI/DVI** input source with using the **INPUT** button on the remote control.

COMPONENT
(DTV)
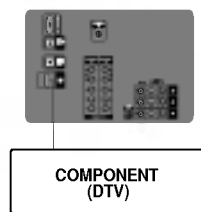
■ **When connecting HDMI to DVI cable**

1. Connect the DVI output of the digital set-top box to the **HDMI /DVI** jack on the set.
2. Connect the audio output of the digital set-top box to the **DIGI-TAL AUDIO IN OPTICAL (DVI)** jack on the set.
3. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
4. Select HDMI/DVI input source with using the INPUT button on the remote control.

COMPONENT
(DTV)

COMPONENT
(DTV)

Connection of external equipment

Second TV
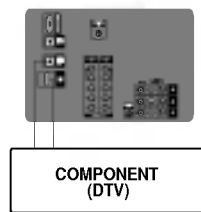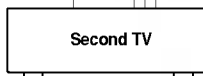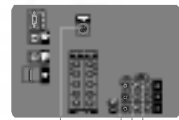
Digital Audio

AV out sockets

Connect the audio/video in sockets of the other TV or monitor to **AV** sockets of the set.

Digital audio output

Send the TV's audio to external audio equipment via the Digital Audio Out Optical port.

1. Connect one end of an optical cable to the TV Digital Audio Out Optical port.
2. Connect the other end of the optical cable to the Digital Audio In Optical port on the audio equipment.
3. Set the "TV Speaker - Off" in the AUDIO menu.
   See the external audio equipment instruction manual for oper-ation.

Note

Note

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 items	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)	✓	✓	✓		✓		✓		

LG