



# Colour Television

## OWNER'S MANUAL



Please read this manual carefully before operating your set.  
Retain it for future reference.  
Record model number and serial number of the set.  
See the label attached on the back cover and quote this  
information to your dealer when you require service.

Model number :  
Serial number :

P/NO : MFL37405804(REV00-0702)



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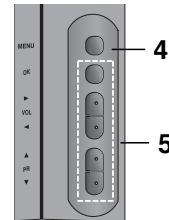
# INTRODUCTION

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## CONTROLS

### Front panel

#### 21FU1 series



- 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. REMOTE CONTROL SENSOR**  
**Note :** Only use the supplied remote control handset. (When you use others, they won't be able to function.)
- 4. MENU (option)**  
selects a menu.
- 5. OK (option)**  
accepts your selection or displays the current mode.  
**◀ / ▶ (Volume Up/Down) (option)**  
adjusts the volume.  
adjusts menu settings.  
**▲ / ▼ (Programme Up/Down) (option)**  
selects a programme or a menu item.  
switches the set on from standby.

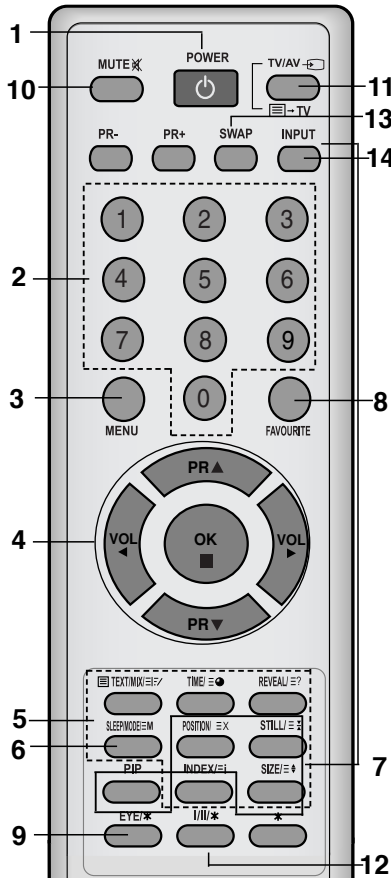
**Note :**

Shown is a simplified representation of front or side panel. What is shown here may be somewhat different from your set or can not be supplied on your area.

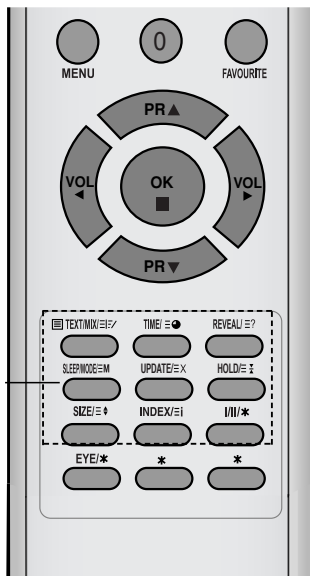
# INTRODUCTION

## REMOTE CONTROL KEY FUNCTIONS

ENGLISH



(With TELETEXT / PIP)





(With TELETEXT / Without PIP)

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. **NUMBER BUTTONS**  
Switches the set on from standby or directly select a number.
3. **MENU**  
selects a menu.
4. **▲ / ▼ (Programme Up/Down)**  
selects a programme or a menu item.  
switches the set on from standby.  
scans programmes automatically.  
**◀ / ▶ (Volume Up/Down)**  
adjusts the volume.  
adjusts menu settings.  
**OK**  
accepts your selection or displays the current mode.
5. **TELETEXT BUTTONS (option)**  
These buttons are used for teletext.  
For further details, see the 'Teletext' section.
6. **SLEEP**  
sets the sleep timer.
7. **PIP BUTTONS (option)**  
**PIP**  
switches the sub picture on or off.  
**PR +/-**  
selects a programme for the sub picture.  
**SWAP**  
alternates between main and sub picture.  
**INPUT**  
selects the input mode for the sub picture.  
**SIZE**  
adjusts the sub picture size.  
**STILL**  
freezes motion of the sub picture.  
**POSITION**  
relocates the sub picture in clockwise direction.

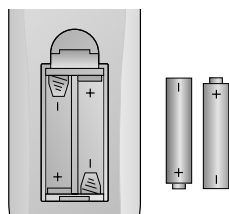
- 8. **FAVOURITE**  
selects a favorite programme.
- 9. **EYE/★ (option)**  
switches the eye function on or off.
- 10. **MUTE**   
switches the sound on or off.
- 11. **TV/AV**   
selects TV or AV mode.  
switches the set on from standby.  
exits the Teletext mode(option).
- 12. **I/II/★**  
selects the language during dual language broadcast.  
selects the sound output (option).
- 13. **Q.VIEW (or SWAP)**  
returns to the previously viewed programme.
- 14. **LIST (or INPUT)**  
displays the programme table.

**★ : No function**

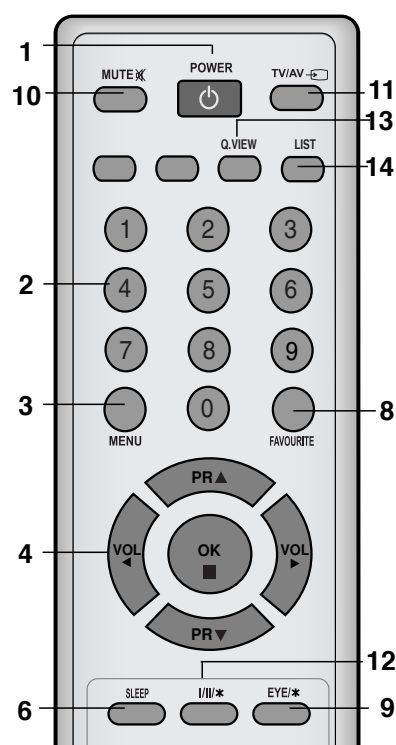
**COLOURED BUTTONS :** These buttons are used for teletext (only TELETEXT models) or programme edit.

### Battery installation

The remote control handset is powered by two AAA 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.



(Without TELETEXT / PIP)



(With PIP / Without TELETEXT)

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# INSTALLATION

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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 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 on the back cover (some models are not marked). For the best reception an outdoor aerial should be used.

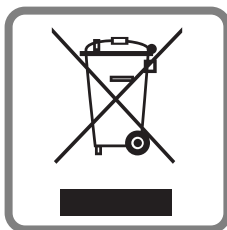
## Location

Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.

## Note

To remove dirt or fingerprint on the surface of your TV, please rub with a line-free cloth supplied in the accessory.

Do not pose too much pressure in cleaning so as to prevent any risk of damage to the product. (only for 21FU1 series models.)



### Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

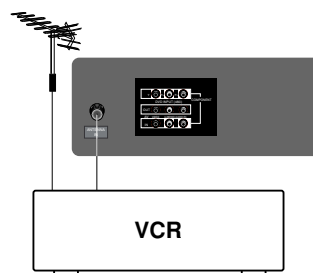
# CONNECTION OF EXTERNAL EQUIPMENT

You can connect additional equipment, such as VCRs, camcorders etc. to your set.

What is shown here may be somewhat different from your set.

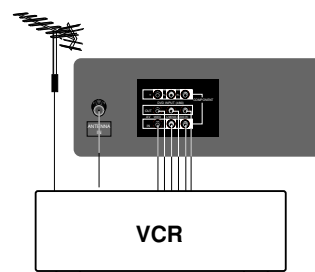
## Aerial socket

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 the programme number 0 using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.



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

1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set.
2. If the VCR is connected to the AV sockets on the set, press the **TV/AV** button to select **AV** (or **AV1**).
3. Press the **PLAY** button on the VCR.  
The VCR playback picture appears on the screen.



You can also record programmes received by the TV on video tape via audio/video out sockets.

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

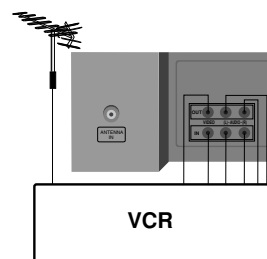
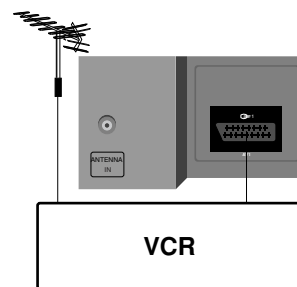
## Euro scart socket

1. Connect the Euro scart socket of the VCR to the Euro scart socket of the set.
2. Press the **PLAY** button on the VCR.  
If your VCR outputs a switching voltage when connected to Euro scart socket, the set will switch to **AV** (or **AV1**) mode automatically. But if you want to keep on watching TV mode, press the **▲ / ▼** or **NUMBER** buttons.

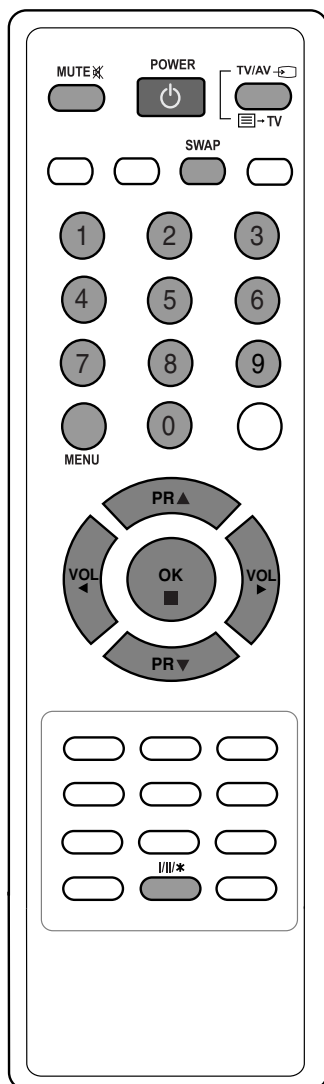
Otherwise press the **TV/AV** button on the remote control handset to select **AV** (or **AV1**). The VCR playback picture appears on the screen.

You can also record programmes received by the TV on video tape.

**Note :** Signal type RGB, i.e. the signals red, green and blue can only be selected for the Euro scart socket. These signals are transmitted, for example, by a pay TV decoder, game machine or photo CD unit, etc.



# BASIC OPERATION



## On and off

1. Press the main power button to switch the set on.
2. If the set is in standby mode, press the **POWER**, **▲ / ▼**, **TV/AV** or **NUMBER** buttons on the remote control handset to switch it on fully.
3. Press the **POWER** button on the remote control handset. The set reverts to standby mode.
4. Press the main power button again to switch the set off.

**Note :** If, while the set is switched on, the mains plug is disconnected the set will switch to standby or power on when the mains plug is replaced in the mains power socket.

## Programme selection

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


## Volume adjustment

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

## Q.VIEW (or SWAP)

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

## Mute function

Press the **MUTE** button. The sound is switched off and the display  appears.

You can cancel it by pressing the **MUTE**, **◀ / ▶**, **I/II/\***(option), button.

## On screen language selection (option)

The menu can be displayed on the screen in desired language. First select your language.

1. Press the **MENU** button and then **▲ / ▼** button to select the Special menu.
2. Press the **▶** button to select **Language**.
3. Press the **▶** button and then **▲ / ▼** button to select your desired language. All the on screen displays will appear in the selected language. Press the **OK** or **◀** button to select the Special menu.
4. Repeatedly press the **MENU** button to return to normal TV viewing.



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# UNIQUE FUNCTIONS

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## Country Selection (option)

1. Press the **MENU** button and then **▲ / ▼** button to select the Special menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Country**.
3. Press the **▶** button and then **▲ / ▼** button to select your correct local country.
4. Press the **OK** button .
5. Repeatedly press the **MENU** button to return to normal TV viewing.

### **Note :**

*If you select wrong local country, the teletext may not appear correctly on the screen and some problem may happen during teletext operation.*

## XD

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

1. Press the **MENU** button and then **▲ / ▼** button to select the Picture menu.
2. Press the **▶** button and then **▲ / ▼** button to select **XD**.
3. Press the **▶** button and then **▲ / ▼** button to select **On** or **Off** on the **XD** pull-down menu.
4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

## Turbo sound selection

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

1. Press the **MENU** button and then **▲ / ▼** button to select the Sound menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Turbo Sound**
3. Press the **▶** button and then **▲ / ▼** button to select **On** or **off**
4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

## X-WAVE (Wireless Sound) (option)

You can also listen to the sound through the FM receiver.

1. Press the **MENU** button and then **▲ / ▼** button to select the Sound menu.
2. Press the **▶** button and then **▲ / ▼** button to select **X-WAVE**.
3. Press the **▶** button and then **▲ / ▼** button to select **Set Frequency**.
4. Press the **▶** button to tune in a frequency on the X-wave menu.
5. Use the number **0** to **9** or press the **◀ / ▶** button to match the TV's frequency and the FM receiver's.

### **Note:**

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

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# SPECIAL FUNCTIONS

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## TELETEXT (OPTION)

Teletext (or TOP text) is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

### Switch on/off

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

### SIMPLE text

#### Page selection

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

### 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

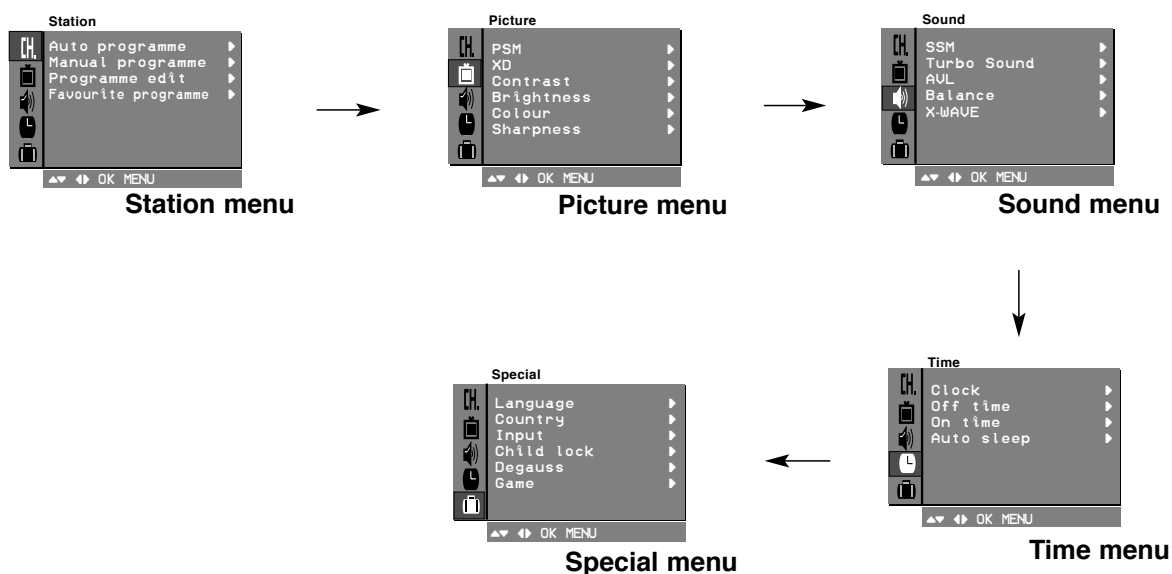
1. Press the  button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.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

# TV MENU

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

## Menu selection

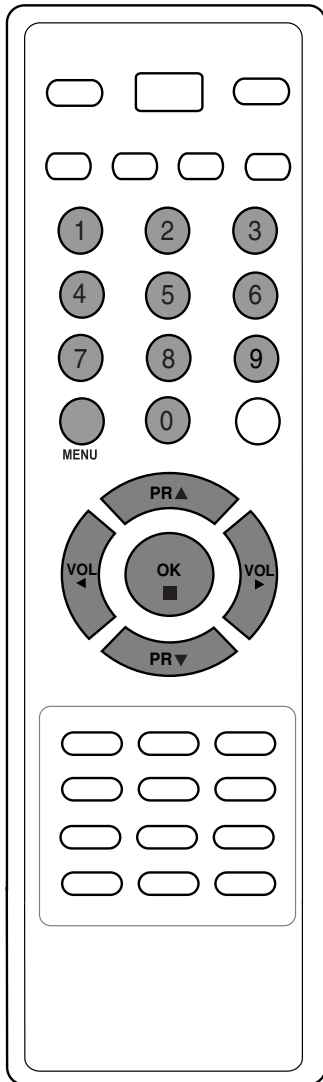
1. Press the **MENU** button and then **▲ / ▼** button to display each menu.
2. Press the **▶** button and then **▲ / ▼** button to select a menu item.
3. Press the **▶** button to display the sub menu or the pull-down menu.
4. Change the setting of an item in the sub or pull-down menu with the **◀ / ▶** or **▲ / ▼**. You can move to the higher level menu with the **OK** or **◀** button and to move to the lower level menu press the **▶** button.



### Note :

- a. In the teletext mode, menus are not displayed.
- b. In some models, the **Normal search** will not display, only the **Start** will display in the **Auto programme** menu.
- c. In some models **Game**, **Booster** or **Degauss** will not display.
- d. In some models, the **Language**, **X-WAVE**, **Country** will not display.

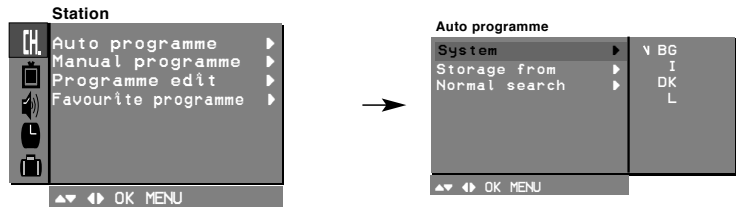
# AUTO PROGRAMME TUNING



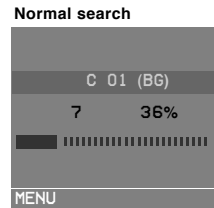
Up to 100 TV stations can be stored by programme numbers (0 to 99). Once you have preset the stations, you will be able to use the ▲ / ▼ or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual modes.

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 to select the Station menu.
2. Press the ► button and then ▲ / ▼ button to select **Auto programme**.
3. Press the ► button. Select a TV system with the ▲ / ▼ button on the **System** pull-down menu;
  - BG** : PAL B/G, SECAM B/G (Europe/East Europe)
  - I** : PAL I/II (U.K./Ireland)
  - DK** : PAL D/K, SECAM D/K (East Europe)
  - L** : SECAM L/L' (France)
  - M** : (USA / Korea / Philippines)(option)



4. Press the ◀ button.
5. Press the ▲ / ▼ button to select **Storage from**.
6. Press the ► button. Select the beginning programme number with the ◀ / ► button or NUMBER buttons on the **Storage from** pull-down menu. Any number under 10 is entered with a numeric '0' in front of it, i.e. '05' for 5.
7. Press the **OK** button.
8. Press the ▲ / ▼ button to select **Normal search**.  
**Option:** In some models, you can only select **Start**.
9. 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 TELETXT 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 **Programme edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.

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

# TROUBLESHOOTING CHECK LIST

## Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

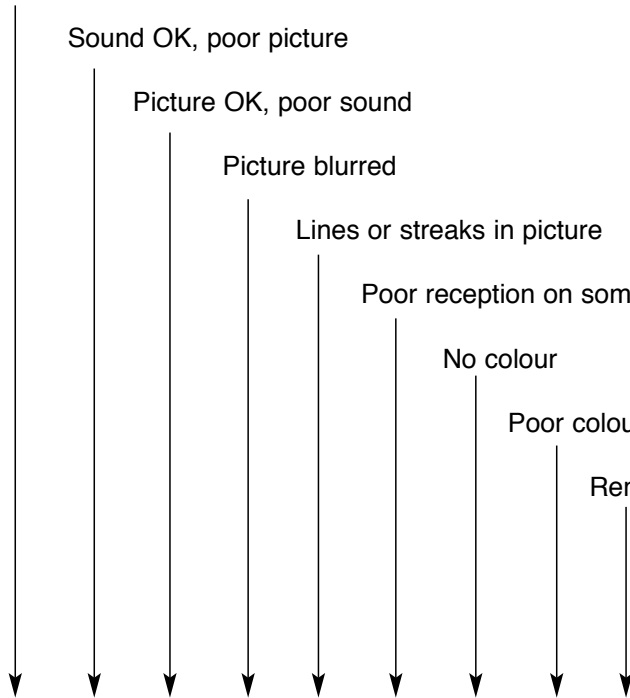
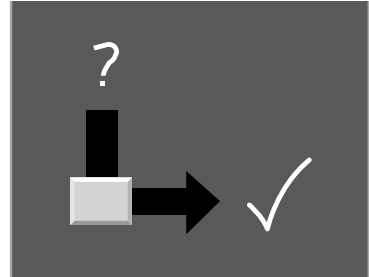
Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work



**Check these items and try to adjust these**

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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 Electronics Inc.**