

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 :

FOR THE GUARANTEE TERMS & CONDITIONS,
PLEASE REFER TO BACK COVER OF THIS MANUAL

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Installation

Power

This set operates on a mains supply of 230V AC, 50Hz. In the event of thunderstorms or powercuts, please pull out the aerial and mains plugs.

Wiring

This set is supplied with a BS 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer or "LG Electronics U.K. Ltd."

If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

Warning

A mains plug removed from the mains lead of this set must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket.

Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol \perp or coloured green or green and yellow.

If any other plug is fitted, use a 5 amp fuse, either in the plug, or at the distribution board.

Important

The wires in this mains lead are coloured in accordance with the following codes:

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this set may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

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 75Ω on the back cover. For the best reception an outdoor aerial should be used.

Location

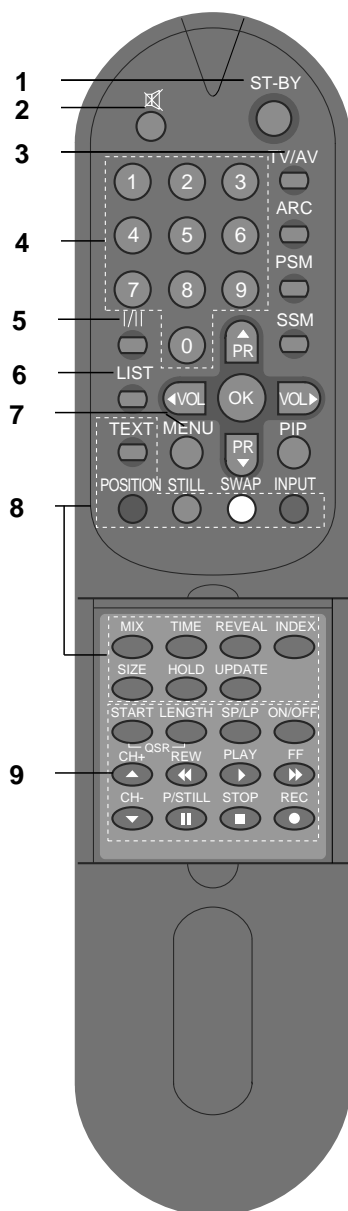
Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on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

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. STANDBY

switches the set on from standby or off to standby.

2. MUTE

switches the sound on or off.

3. TV/AV

selects TV or AV mode.
clears the menu from the screen.

4. NUMBER BUTTONS

switch the set on from standby or directly select a programme.

5. DUAL I/II

selects the language during dual language broadcast.
selects mono sound during stereo broadcast.

6. LIST

displays the programme table.

7. MENU

calls the main menu or clears a menu.

8. TELETEXT BUTTONS

These buttons are used for the teletext.
For further details, see the 'Teletext' section.

9. VCR BUTTONS

control a LG video cassette recorder.

Location and function of controls

10. ARC (Aspect Ratio Control)

changes the picture format.

11. PSM (Picture Status Memory)

recalls your preferred picture setting.

12. SSM (Sound Status Memory)

recalls your preferred sound setting.

13. ▲ / ▼ (Programme Up/Down)

switches the set on from standby.
selects a programme or a menu item.

◀ / ▶ (Volume Down/Up)

adjusts the volume.
adjusts menu settings.

OK

accepts your selection or displays the current mode.

14. PIP BUTTONS (option)

PIP

switches the sub picture on or off.

INPUT

selects the input mode for the sub picture.

SWAP

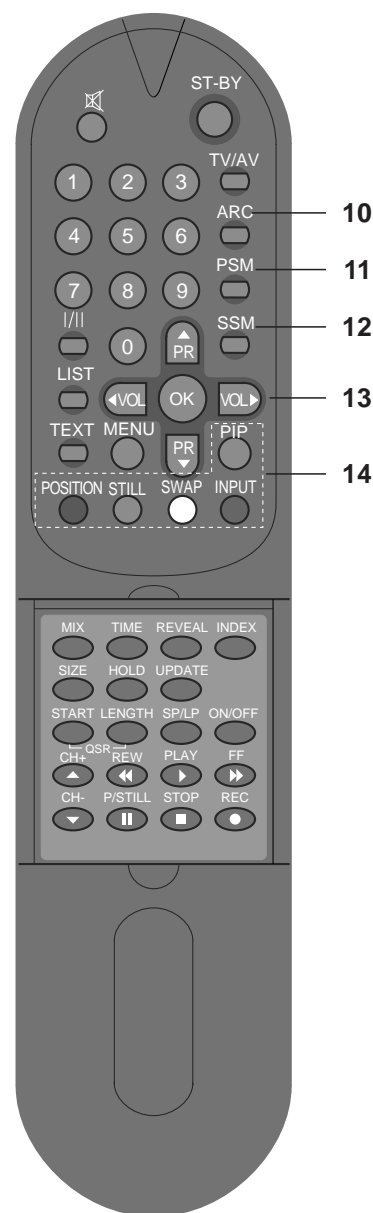
alternates between main and sub pictures.

STILL

freezes motion of the sub picture.

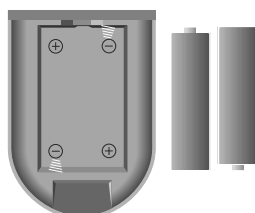
POSITION

relocates the sub picture in clockwise direction.



Battery installation

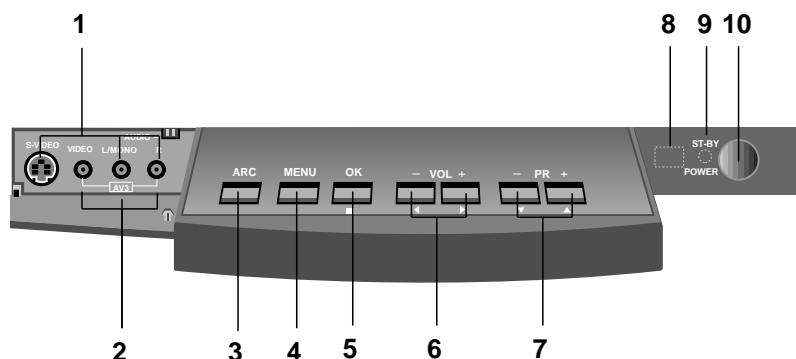
The remote control handset is powered by two AA type batteries. Gently pull down the cover of the remote control handset until the battery compartment is exposed. Install two batteries as indicated by the polarity symbols(⊕ and ⊖) marked inside the compartment.



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



1. S-VIDEO/AUDIO IN SOCKETS (S-AV)

Connect the video out socket of an S-VHS VCR to the **S-VIDEO** socket. Connect the audio out sockets of the S-VHS VCR to the audio sockets as in AV3.

2. AUDIO/VIDEO IN SOCKETS (AV3)

Connect the audio/video out sockets of external equipment to these sockets.

3. ARC (Aspect Ratio Control)

changes the picture format.

4. MENU

calls the main menu or clears a menu.

5. OK

accepts your selection or displays the current mode.

6. ◀ / ▶ (Volume Down/Up)

adjusts the volume.
adjusts menu settings.

7. ▲ / ▼ (Programme Up/Down)

switches the set on from standby.
selects a programme or a menu item.

8. REMOTE CONTROL SENSOR

9. POWER/STANDBY INDICATOR

illuminates brightly when the set is in standby mode.
dims when the set is switched on.

10. MAIN POWER

switches the set on or off.

Basic operation

On and off

1. Press the main power button on the set, the set then switches on.
2. If the set is in standby mode, press the **ST-BY**, **▲ / ▼** or **NUMBER** buttons on the remote control handset to fully switch the set on.
3. Press the **ST-BY** button on the remote control handset. The set reverts to standby.
4. Press the main power button on the set again. It switches the set off and the power/standby indicator goes out in a few seconds.

Note :

- a. If you do not press any button within two hours after the set is switched on, the set will automatically switch back to standby mode.
- b. If no broadcast signal is received for about 10 minutes, the set will automatically switch itself to standby mode.




Programme selection

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

Volume adjustment

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

Mute function

Press the  button. The sound is switched off and the display  appears. You can cancel it by pressing the , **▲ / ▼**, **SSM** or **I/II** buttons.

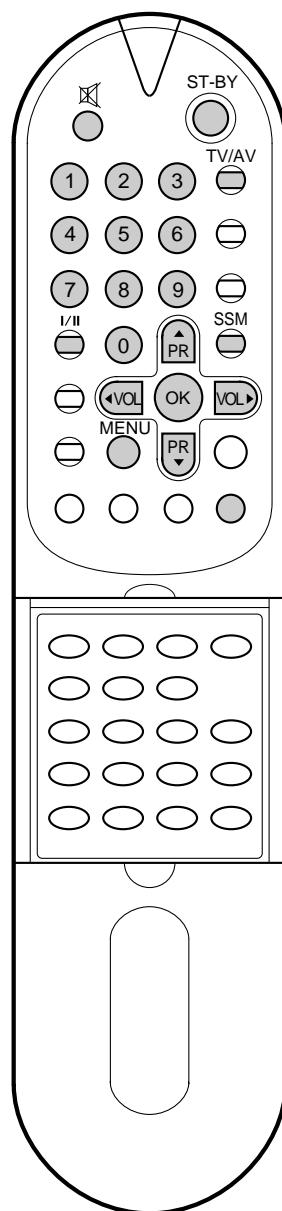
On screen language selection (option)

The menu can be displayed on the screen in English, German, French, Italian, Spanish, Swedish or Dutch. First select your language.

1. Press the **MENU** button.
2. Select **SPECIAL** with the **◀ / ▶** button then press the **OK** button. Or you can press the **CYAN** button directly.
3. Select **Language OSD** with the **▲ / ▼** button then press the **OK** button.
4. Set your language with the **◀ / ▶** button then press the **OK** button.

All the on screen displays will appear in the selected language.

Press the **MENU** or **CYAN** button to return to the previous menu.
Or exit the menu fully by pressing the **TV/AV** button.

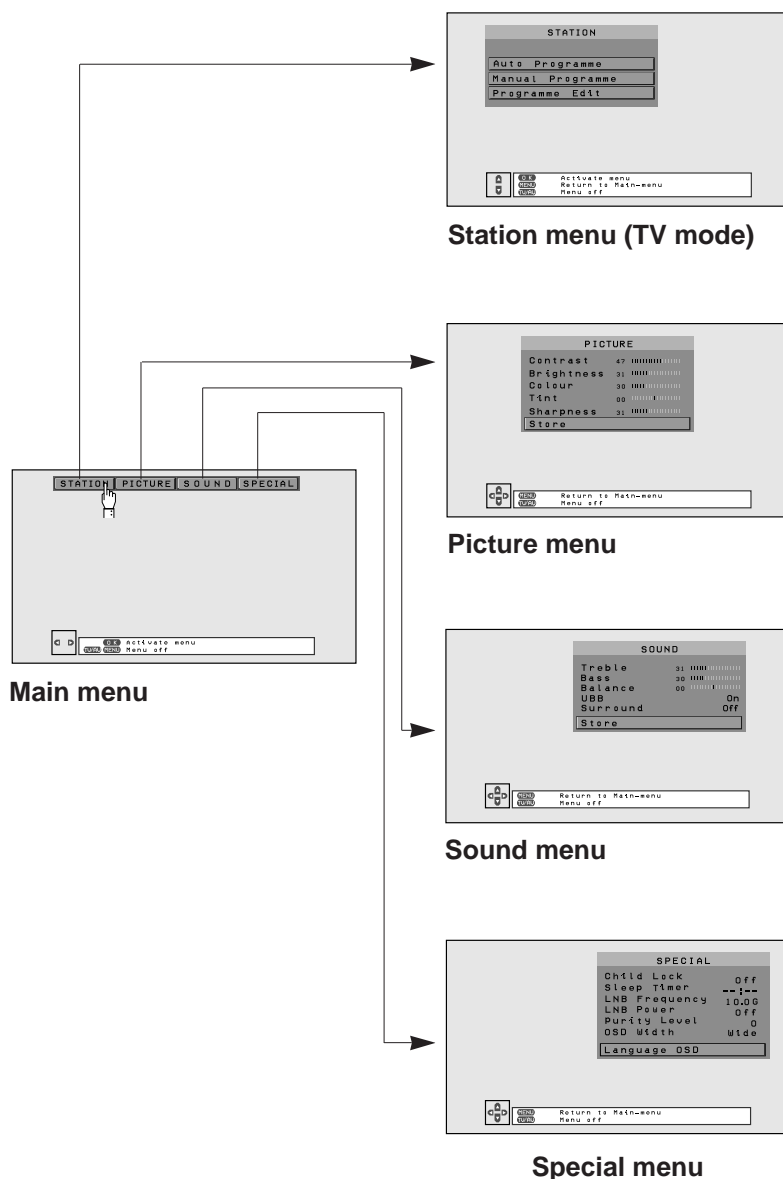
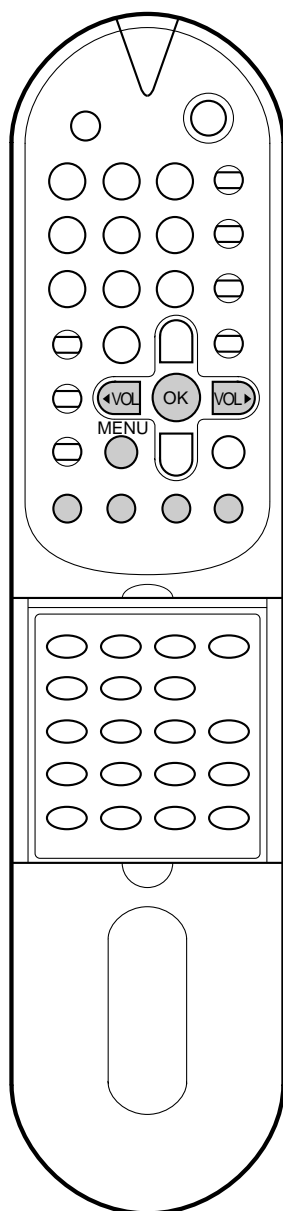


On screen menus

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.
2. Select the desired menu with the ◀ / ▶ button then press the **OK** button. Or you can press one of the four COLOURED buttons corresponding to the coloured menu you want to select.



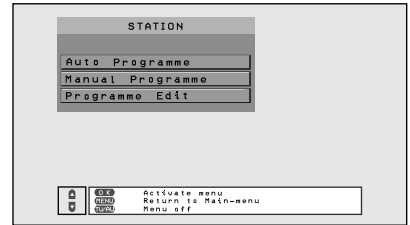
Note : 'On screen language selection' is optional function. Therefore **Language OSD** in the Special menu may not be displayed.

Station

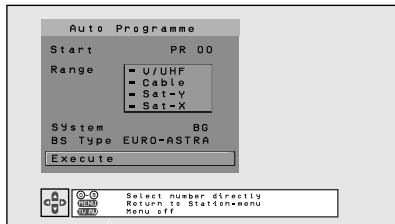
The station menu contains two selections for station search and storage - Auto Programme and Manual Programme.

Auto programme

By auto programming, stations can be searched for and stored automatically in the selected receiving range (band).



1. Press the **MENU** button then the RED button.
2. Select **Auto Programme** with the **▲ / ▼** button then press the **OK** button.



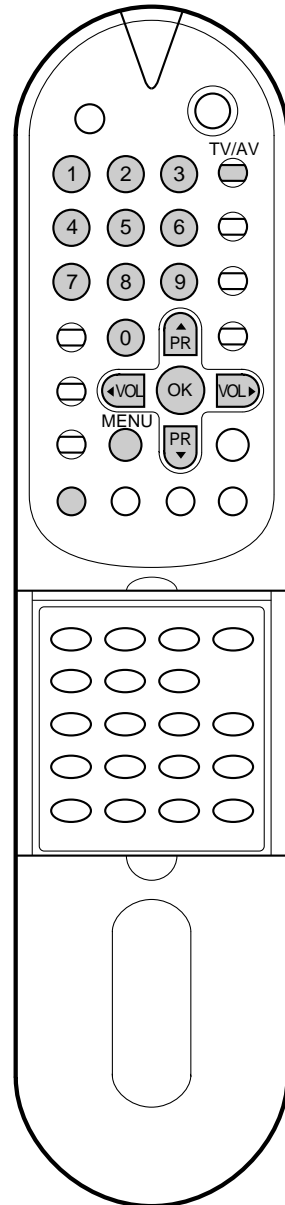
3. Select **Start** with the **▲ / ▼** button.
4. Enter a double digit programme number at which storing is to begin with the **◀ / ▶** or **NUMBER** buttons.
In this way, all further stations are stored from this programme number onwards. Up to 100 (00 to 99) stations can be stored.
5. Select **Range** with the **▲ / ▼** button.
6. Select the frequency range with the **◀ / ▶** button.
In a set with a built-in satellite tuner, you have to select the socket to which the satellite dish is connected; **Sat-Y** or **Sat-X**. See the 'Satellite receiver' section.
V/UHF : Ch. 01 - 69
Cable : Ch. S01 - S47
Sat-Y/X : Ch. 000 - 169
7. Select **System** with the **▲ / ▼** button then set a TV system with the **◀ / ▶** button; **BG, I, DK** or **L** (PAL, SECAM will be automatically selected).
8. Select **Execute** with the **▲ / ▼** button.
9. Press the **OK** button to start auto programming.

All receivable stations are stored. The programme name is also stored for stations which broadcast VPS (Video Programme Service) data, the stored stations are automatically sorted.

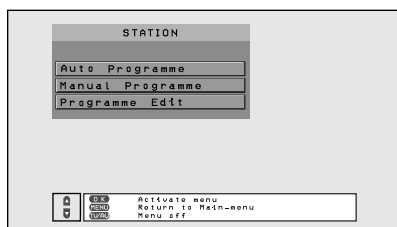
If no station name can be assigned to a station, the channel number is assigned and stored.

The programme edit mode appears after completing auto-programming. Exit the menu by pressing the **TV/AV** button if you agree with the programme assignment. If not, you can edit the programmes as you prefer. See the 'Programme edit' section.

You can now recall the stored TV programmes with the **▲ / ▼** or **NUMBER** buttons.

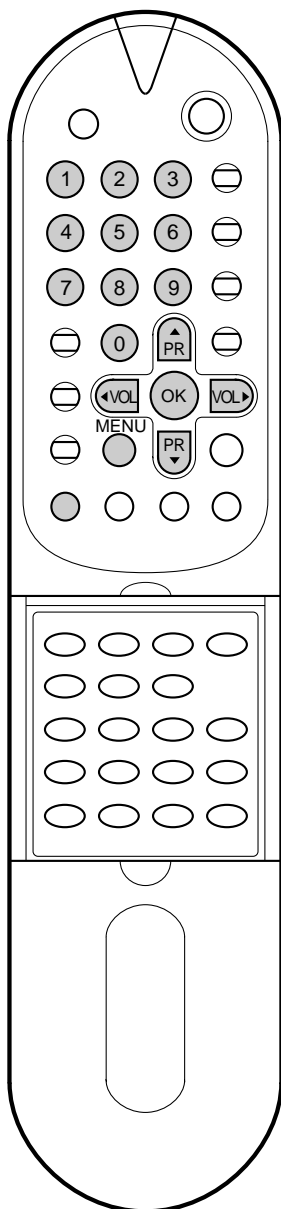
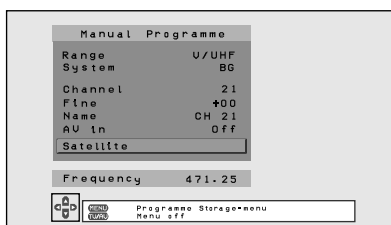


Station



Manual programme

1. Press the **MENU** button then the **RED** button.
2. Select **Manual Programme** with the **▲ / ▼** button then press the **OK** button.



3. Select **Range** with the **▲ / ▼** button.
4. Select the frequency range with the **◀ / ▶** button.
You can select between the ranges **V/UHF** and the special channel range **Cable** for cable TV systems.
In a set with a built-in satellite tuner, you have to select the socket to which the satellite dish is connected; **Sat-Y** or **Sat-X**.
See the 'Satellite receiver' section.
5. Select **System** with the **▲ / ▼** button.
Then select the appropriate TV system with the **◀ / ▶** button; **BG, I, DK** or **L** (PAL, SECAM will automatically be selected).
6. Select **Channel** with the **▲ / ▼** button.
7. Enter the double digit channel number with the **◀ / ▶** or **NUMBER** buttons.
You can also search for stations by pressing the **OK** button. The search stops when a station has been found. If the picture and sound are not perfect or you want another station, restart the search.
8. If reception condition is not good, select **Fine** with **▲ / ▼** button.
Then carry out fine tuning for the best picture and sound quality with the **◀ / ▶** button.
9. Select **Name** with the **▲ / ▼** button.
10. Enter a station name with the **◀ / ▶** button.
A programme name has five positions and you can use the letters A to Z, numbers 0 to 9 and symbols +, - or blank. Press the **OK** button to store one position, and the next position is called.
If you do want to stop entering the name, execute the next step.

Station

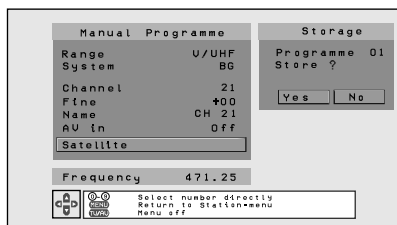
11. Select **AV in** with the ▲ / ▼ button then the desired input source with the ◀ / ▶ button.

- Off** : no playback possible through the sockets
- VCR 1** : AV playback through euro scart socket 1 with switching voltage possible
- VCR 2** : AV playback through euro scart socket 2 with switching voltage possible
- AV 1** : AV playback through socket(s) 1 without switching voltage possible
- AV 2** : AV playback through socket(s) 2 without switching voltage possible
- AV 3** : AV playback through the front **AV3** sockets without switching voltage possible
- S-AV** : AV playback through the front **S-VIDEO** and **AUDIO IN** sockets without switching voltage possible

VCR automatic switching

If your VCR outputs a switching voltage (Euro scart pin 8, 4:3 12V, 16:9 8V) when it is switched to playback, select **VCR1** or **VCR2**. You can now watch your recordings, normal or wide screen with automatic picture size and VCR selection.

12. Press the **MENU** button to store the searched station.

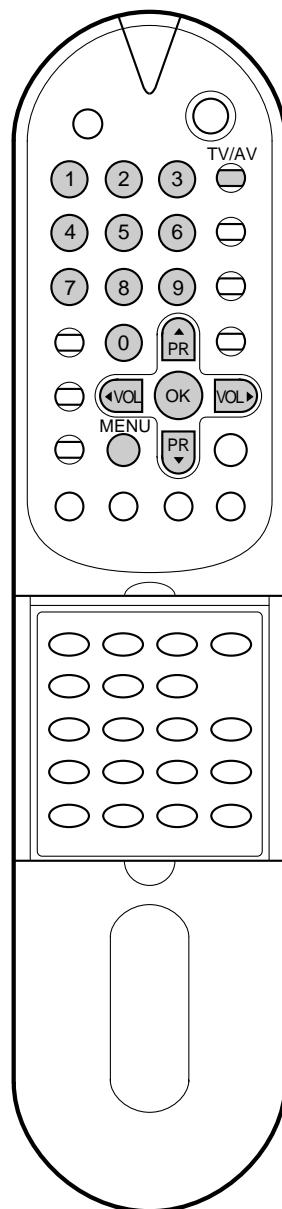


13. Enter the double digit programme number with the ◀ / ▶ or NUMBER buttons.
14. Select **Store?** with the ▲ / ▼ button.
15. Select **Yes** to execute or **No** to cancel storage with the ◀ / ▶ button.
16. Press the **OK** button.

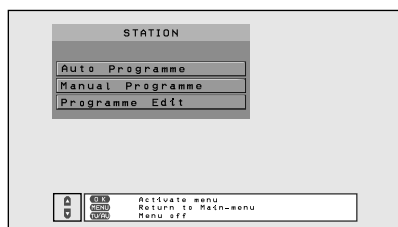
Repeat steps 7 to 16 for further programmes.

Exit the menu by pressing the **TV/AV** button.

Note : NTSC can only be received in AV or Satellite modes.
PAL / SECAM / NTSC will be selected automatically.



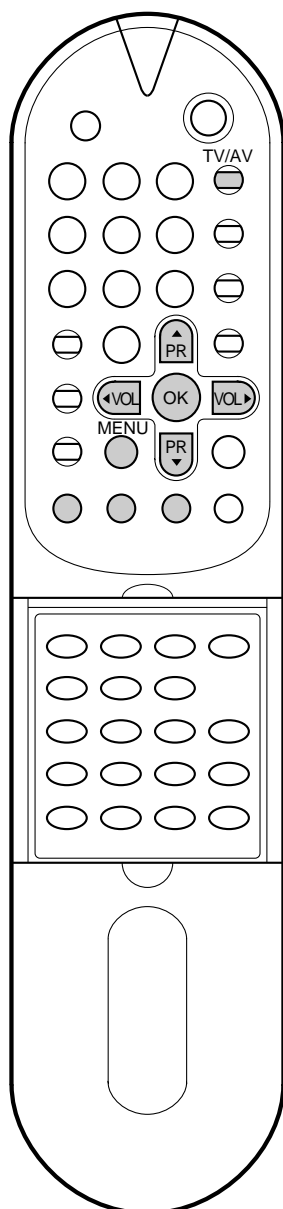
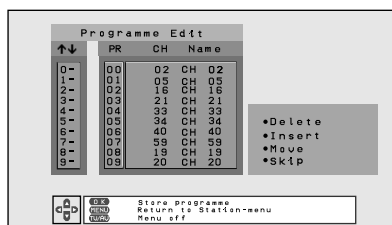
Station



Programme edit

This function enables you to delete, move or skip the stored programmes as you like. You can also store other stations at some programme numbers without changing the order of programmes.

Press the **MENU** button then the RED button. Select **Programme Edit** with the **▲ / ▼** button then press the **OK** button.



Deleting programmes

1. Select the programme to be deleted with the **▲ / ▼** button.
2. Press the RED button.
3. Press the **OK** button to delete the programme.

The selected programme is deleted and all the following programmes are shifted forward one position. Exit the menu by pressing the **TV/AV** button.

Inserting a free programme number

This function enables you to insert programmes later.

A programme memory is only displayed with the channel number in the programme table.

New station data can be stored in this programme memory.

1. Select a programme number for insertion with the **▲ / ▼** button.
2. Press the GREEN button.

All the following programmes are shifted forward one position to the next programme number.

You can enter station data at a free programme number with the 'Manual Programme' menu.

Exit the menu by pressing the **TV/AV** button.

Moving programmes

1. Select the programme to be moved with the **▲ / ▼** button.
2. Press the YELLOW button.
3. Move the programme to the desired programme number with the **▲ / ▼** button.
4. Press the **OK** or **MENU** button.

The station names and data are moved.

Exit the menu by pressing the **TV/AV** button.

Station

Skipping programmes

1. Select the programme to be skipped with the **▲ / ▼** button.
2. Press the **CYAN** button.

The station name turns grey and the programme is skipped.

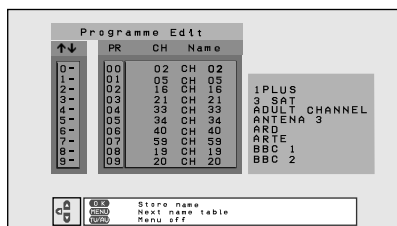
When you press the **CYAN** button again, the station name returns to black and skip is cancelled. With the **▲ / ▼** button the skipped programme cannot be found. If you want to find the skipped programme, directly enter the programme number with the **NUMBER** buttons.

Note : The programme number 01 cannot be skipped.

Changing the station name

You can select a station name from the name list. This is useful, for example, in case of stations without station name.

1. Select the programme at which you want to change a name with the **▲ / ▼** button.
2. Press the **►** button.



3. Select a name from the name list with the **▲ / ▼** or **MENU** button.
4. Store the name with the **OK** button.
5. Press the **◀** button.

Repeat steps 1 to 5 for further programmes.

Exit the menu by pressing the **TV/AV** button.

Calling the programme table

The programme table gives you an at-a-glance view of the stored stations.

1. Press the **LIST** button.
 2. Page through the programme table with the **▲ / ▼** or **◀ / ▶** buttons.
 3. Press the **OK** button to switch to the desired TV programme.
- Exit the table by pressing the **TV/AV** or **MENU** button.

Programme Table											
PR	CH	Name	PR	CH	Name	PR	CH	Name	PR	CH	Name
00	02	CH 02	10	33	CH 33	20	69	CH 69	30	69	CH 69
01	03	CH 03	11	10	CH 05	21	69	CH 69	31	69	CH 69
02	16	CH 16	12	45	CH 10	22	69	CH 69	32	69	CH 69
03	21	CH 21	13	88	CH 45	23	69	CH 69	33	69	CH 69
04	30	CH 30	14	88	CH 45	24	69	CH 69	34	69	CH 69
05	36	CH 36	15	69	CH 69	25	69	CH 69	35	69	CH 69
06	40	CH 40	16	69	CH 69	26	69	CH 69	36	69	CH 69
07	59	CH 59	17	69	CH 69	27	69	CH 69	37	69	CH 69
08	13	CH 13	18	69	CH 69	28	69	CH 69	38	69	CH 69
09	20	CH 20	19	69	CH 69	29	69	CH 69	39	69	CH 69

69

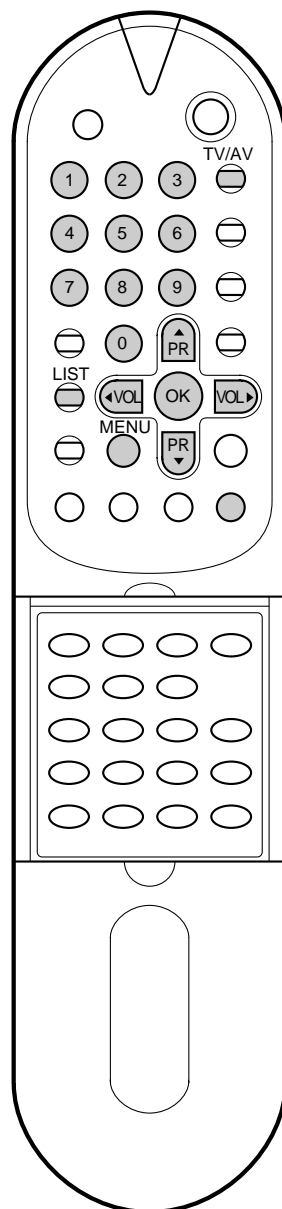
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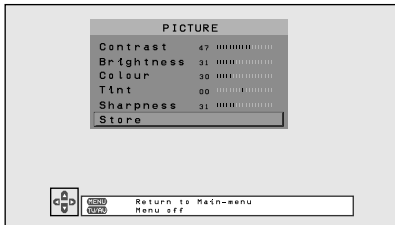
Change Programme

Next Page

Menu



Picture



Picture adjustment

You can adjust picture contrast, brightness, colour intensity, tint and sharpness to the level you prefer.

1. Press the **MENU** button then the GREEN button.
2. Select a desired item with the **▲ / ▼** button.
3. Adjust the value with the **◀ / ▶** button.

Note : **Tint** adjustment is available when receiving a NTSC signal via the AV input sockets or via the satellite receiver.

At this point you can complete your adjustment or store your setting for immediate recall by following steps 4 to 7.

4. Select **Store** with the **▲ / ▼** button.
5. Press the **OK** button.
6. Select **Favorite 1** or **Favorite 2** with the **▲ / ▼** button.
7. Press the **OK** button.

Exit the menu by pressing the **TV/AV** button.

Your setting for picture is now stored and remains your preferred setting until you store different values with this menu. Your preferred setting is retained even when the set is switched off by the main power button.

To recall your preferred setting, press the **PSM** button until the desired picture (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** picture is programmed for good picture reproduction at the factory and cannot be changed.

Picture format selection

You can watch the TV in various picture formats.

Press the **ARC** button to switch to 4:3, Spectacle, 16:9, Zoom 1 or Zoom 2 picture format. Also see page 11, VCR automatic switching.

4:3 Normal

This is normal picture size 4 by 3 as displayed on all TV sets.

Spectacle

The centre of the picture is displayed as in 4 by 3 mode but the edges are magnified so that the whole screen is filled to 16 by 9 size.

16:9 Wide screen

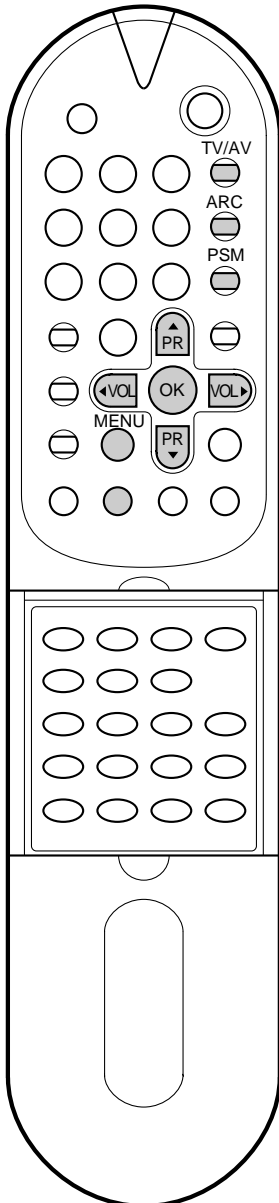
Cinema screen pictures are viewed like this. Some TV stations broadcast programmes (mainly films) in the mode. To enjoy the cinema picture, select this mode.

Zoom 1

The normal 4 by 3 picture is magnified to fill the whole screen but the extreme top and bottom of the picture are lost.

Zoom 2

Similar to Zoom 1 but the picture is shifted upwards so that subtitles at the bottom of the picture can be viewed, therefore the top of the picture is lost.

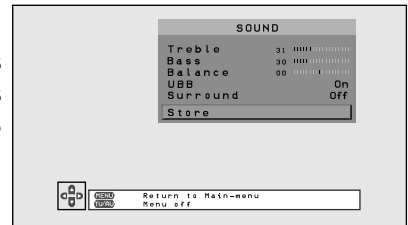


Sound

Sound adjustment

You can adjust the sound treble, bass, balance, UBB (Ultra Bass Booster) and surround as you prefer. The surround sound creates the sound effect surrounded around as in a concert hall and UBB stresses and emphasizes heavy sound.

1. Press the **MENU** button then the **YELLOW** button.
2. Press the **▲ / ▼** button to select a desired item.
3. Adjust the value with the **◀ / ▶** button.



You can store the values you have set under the sound menu.

4. Select **Store** with the **▲ / ▼** button.
5. Press the **OK** button.
6. Select **Favorite 1** or **Favorite 2** with the **▲ / ▼** button.
7. Press the **OK** button.

Exit the menu by pressing the **TV/AV** button.

To recall your preferred setting press the **SSM** button until the sound (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** sound is programmed for good sound reproduction at the factory and cannot be changed.

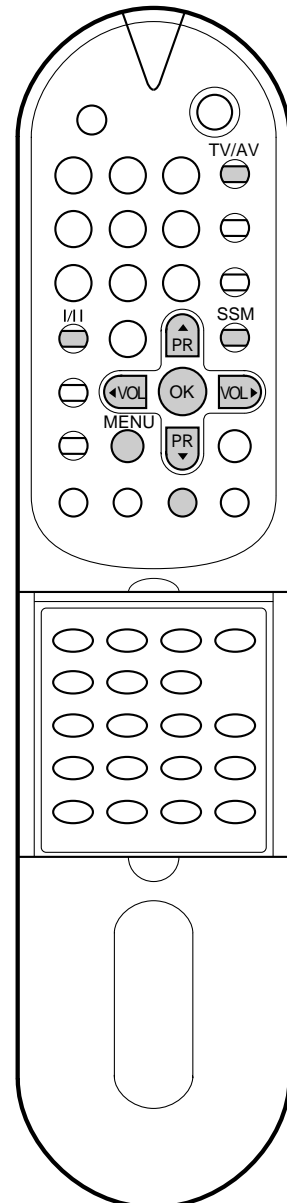
Stereo/Dual reception

When a programme is selected, the sound information for the station appears on the screen after the programme number and station name disappear. You can also press the **OK** button to recall this information.

Broadcast	On Screen Display
Mono	MONO
Stereo	STEREO
Dual	Dual I

Mono sound selection

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



Sound

Language selection for dual language broadcast

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

Dual I sends the primary broadcast language to the loudspeakers.

Dual II sends the secondary broadcast language to the loudspeakers.

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

NICAM broadcast reception

This set can receive the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound.

Sound output can be selected according to type of the received broadcast as follows by pressing the **I/II** button repeatedly.

1. When NICAM mono is received, you can select **NICAM MONO** or **FM MONO**.
2. When NICAM stereo is received, you can select **NICAM STEREO** or **FM MONO**. If the stereo signal is weak, switch to FM mono.
3. When NICAM dual is received, you can select **Dual I**, **Dual II**, **Dual I+II** or **FM MONO**.

Sound output selection

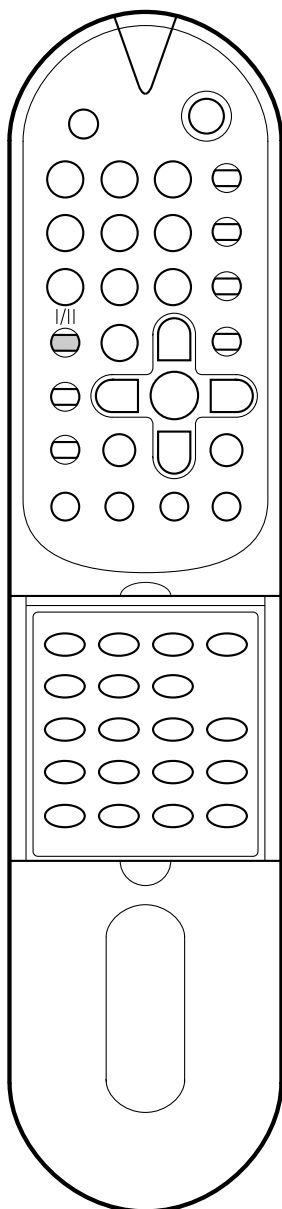
In AV mode, you can select output sound for the left and the right loudspeakers.

Repeatedly press the **I/II** button to select the sound output.

L+R : Audio signal from audio L input is sent to left loudspeaker 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 loudspeakers.



Special functions

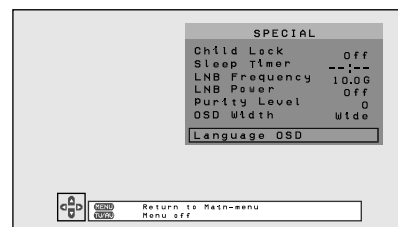
Child lock

The TV can be set so that the remote control handset is needed to control it.

This feature can be used to prevent unauthorised viewing.

1. Press the **MENU** button then the CYAN button.
 2. Select **Child Lock** with the **▲ / ▼** button.
 3. Select **On** with the **◀ / ▶** button on the remote control handset.
- Exit the menu by pressing the **TV/AV** button.

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



Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.

1. Press the **MENU** button then the CYAN button.
 2. Select **Sleep Timer** with the **▲ / ▼** button.
 3. Set the desired time with the **◀ / ▶** button.
- Exit the menu by pressing the **TV/AV** button.

You can set the sleep timer up to four hours at intervals of ten minutes. The timer begins to count down from the number of minutes selected.

Note : To cancel this function, press the **◀ / ▶** button to select **---**.

LNB frequency/LNB power

See the 'Satellite receiver' section.

Purity level (option)

In some models, **Purity Level** is an optional function. Only a set with the **Purity Level** option can perform this function.

Your TV set is designed for use in many different countries throughout the world. In order to obtain the best picture, i.e. least tilt please set the purity level as follows:

In the Northern hemisphere to 0, +1 or +2

In the Southern hemisphere to 0, -1 or -2

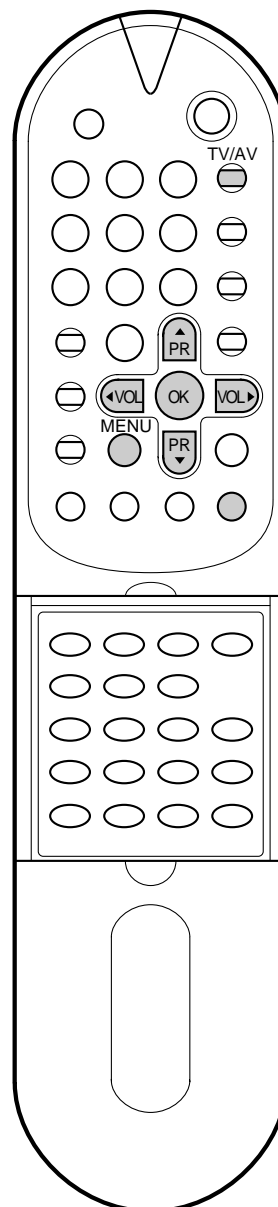
1. Press the **MENU** button then the CYAN button.
 2. Select **Purity Level** with the **▲ / ▼** button.
 3. Adjust the purity with the **◀ / ▶** button.
- Exit the menu by pressing the **TV/AV** button.

OSD width

1. Press the **MENU** button then the CYAN button.
 2. Select **OSD Width** with the **▲ / ▼** button.
 3. Set the width of the on screen display with the **◀ / ▶** button;
- Wide** or **Narrow**.

Exit the menu by pressing the **TV/AV** button.

Note : In **OSD Width Narrow**, if teletext is switched on, the teletext page is displayed in narrow on the left of the screen. See the 'Special teletext functions' section.



PIP operation (option)

PIP (Picture in Picture) displays a picture within a picture.

Option:

In some models, **PIP** is an optional function.

Only a set with the **PIP** option can perform this function.

On and off

Press the **PIP** button to switch on the sub picture.

Press this button again to switch it off.

Note : When you press the **PIP** button while displaying an NTSC system picture, the sub picture is larger than the normal sub picture.

Input mode selection for sub picture

Press the **INPUT** button to select the input mode for the sub picture.

When the sub picture is switched to TV mode, you can change the programme for the sub picture with the **▲ / ▼** or **NUMBER** buttons.

Swapping between main and sub pictures

Press the **SWAP** button to exchange the main and sub pictures.

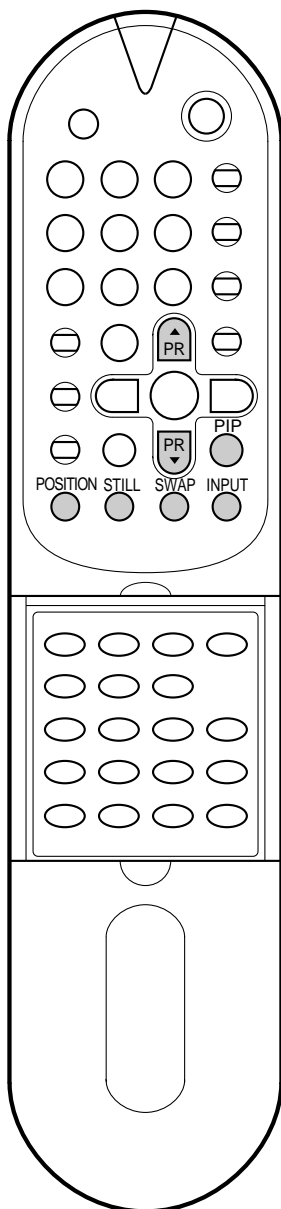
Sub picture freeze

Press the **STILL** button to freeze motion of the sub picture.

Press this button again to restore motion.

Sub picture position change

Press the **POSITION** button repeatedly until desired position is achieved. The sub picture moves clockwise.



Teletext

Teletext is a free service broadcast by most TV channels 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 modes. Simple mode 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 the last selected page appears on the screen. The teletext decoder will be in the teletext mode transmitted by the broadcast station.

Two page numbers, TV channel 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.

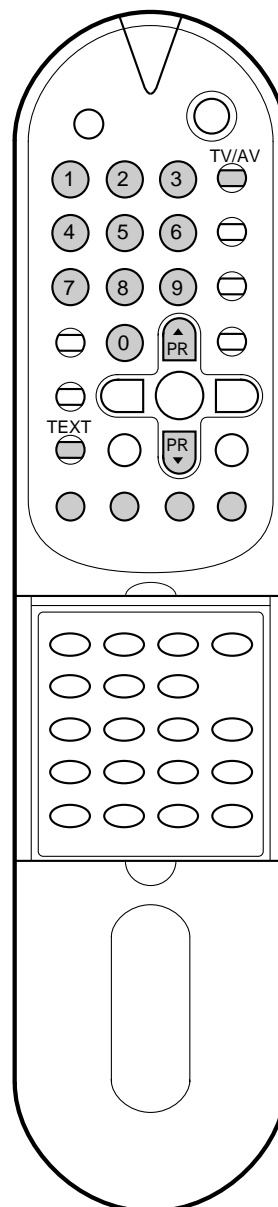
Press the **TEXT** or **TV/AV** button to switch off teletext. The previous mode reappears.

Simple mode

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.

Note : If you enter a page number which does not exist the second page number will continually count up to indicate this error.



Teletext

TOP mode

The user guide displays four fields – red, green, yellow and cyan – at the bottom of the screen. The yellow field denotes the next group and the cyan field indicates the next block.

Group/block/page selection

1. With the CYAN 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

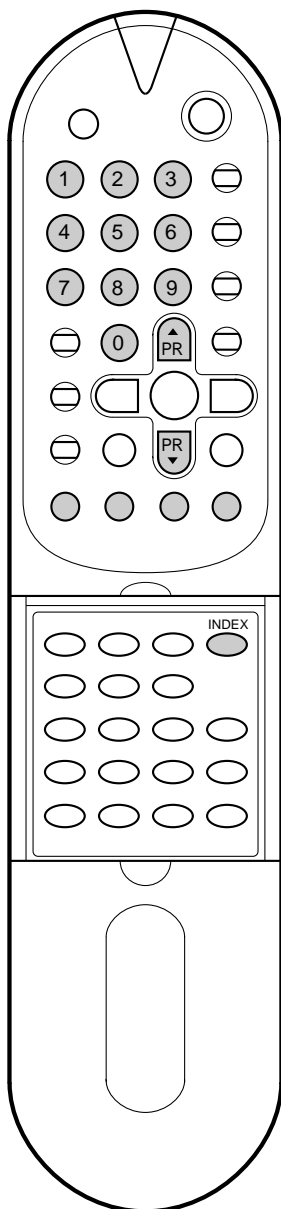
Corresponding to the Simple mode, you can select a page by entering its three digit number with the NUMBER buttons in TOP mode.

FASTEXT mode

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 **INDEX** 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 mode, you can select a page by entering its three digit number with the NUMBER buttons in FASTEXT mode.
4. The ▲ / ▼ button can be used to select the preceding or following page.



Teletext

Special teletext functions

REVEAL

Press this button to display the concealed information such as solutions of riddles or puzzles.

Press this button again to remove the information from the display.

EXPAND (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 the display  will change to the page number.

Press this button to view the updated teletext page.

HOLD (STOP)

Stops the automatic page change which will occur if a teletext page consists of two 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 teletext mode press this button to select and hold or change a four digit sub page number. This is displayed along the bottom of the screen. Press this button again to exit this function.

Teletext page wide/narrow

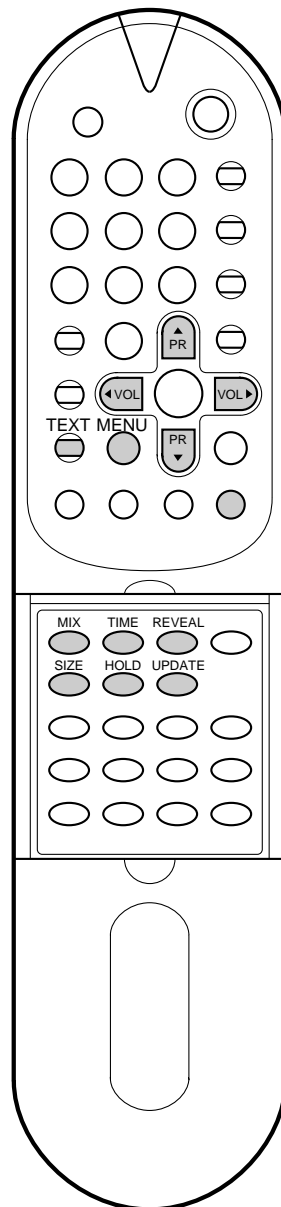
With the Special menu, you can determine whether the teletext page is to be displayed wide or narrow.

1. Press the **MENU** button then the **CYAN** button.
2. Select **OSD Width** with the **▲ / ▼** button.
3. If you set **Wide** with the **◀ / ▶** button, the teletext page will fill out the screen in the teletext mode.

If **Narrow**, the teletext page is displayed in compressed form.


4. Switch to teletext with the **TEXT** button.

Note : If you set **Narrow**, the **SIZE** button can not function.

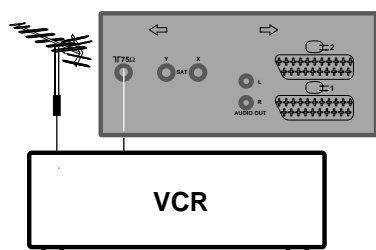


Connection of external equipment

Hi - Fi amplifier system connection

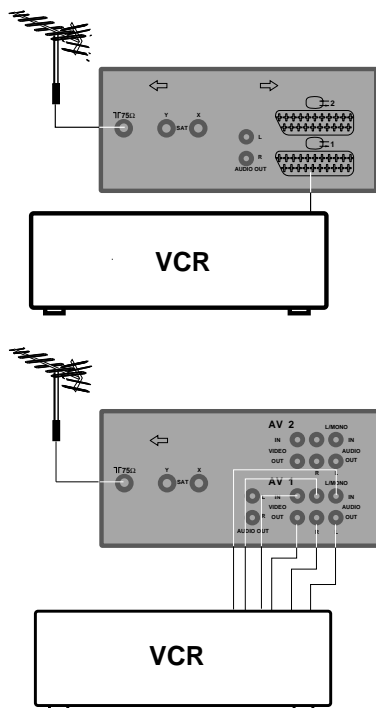
The phono sockets for a Hi-Fi amplifier system are on the back of the set; L=left sound channel, R=right sound channel
If you connect an amplifier system, you can also play the TV sound through the stereo amplifier system. If you press the  button, only the sound of the TV's speakers is switched off.

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

Euro scart sockets/AV sockets (option)



1. Connect the euro scart socket of the VCR to the euro scart socket 1 or 2 on the back of the set.
In case of phono sockets, connect the audio/video in sockets of the VCR to the audio/video out sockets on the back of the set and the audio/video out of the VCR to the audio/video in of the set.
2. Select the AV 1 mode for the socket(s) 1 or AV2 for the socket(s) 2 by pressing the **TV/AV** button repeatedly.
3. Press the **PLAY** button on the VCR to play the VCR or the **REC** button to record a viewing TV programme.

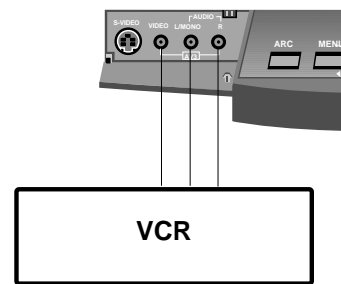
Note :

- a. You can change the names for AV modes. In AV mode press the **MENU** button then the **RED** button. To change the name refer to the step 10 on the page 10.
- b. Signal type RGB, i.e. the signals red, green and blue can only be selected for the euro scart socket 1. These signals are transmitted, for example, by a computer, teletext decoder or Photo CD unit.
- c. To use a pay TV/satellite decoder, connect the decoder to the euro scart socket 1.

Connection of external equipment

Audio/Video in sockets (AV3)

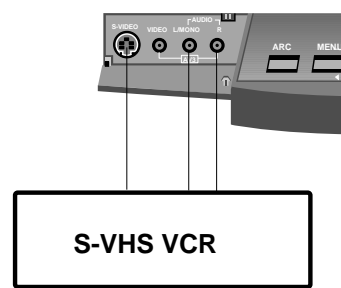
1. Connect the audio/video out sockets of the VCR to the **AUDIO/VIDEO IN (AV3)** sockets on the front panel of the set.
2. Select the AV3 mode by pressing the **TV/AV** button repeatedly.
3. Press the **PLAY** button on the VCR.



S-video/Audio in sockets (S-AV)

When connecting an S-VHS 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 on the front panel of the set.
2. Connect the audio cable from the S-VHS VCR to the **AUDIO IN** sockets on the front panel of the set.
3. Select the S-AV mode by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.



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

Directly switching to TV mode from AV mode

Press any one of the **NUMBER** buttons in AV mode.

In PIP mode, when both main and sub pictures are in AV mode, press one of the **NUMBER** buttons.

You can switch to the last viewing TV programme.

Copy function

If you have two VCRs, you can copy from one VCR to the other. It is only possible to copy from the VCR connected to the socket(s) 1, the front S-AV or AV3 sockets to the VCR at the socket(s) 2.

Satellite receiver (option)

Satellite dish connection

Two aerial sockets **Y** and **X** are available.

These allow you to connect one or two satellite dishes to the satellite tuner.

Setting the LNB frequency

1. Press the **MENU** button then the CYAN button.
2. Select **LNB Frequency** with the **▲ / ▼** button.
3. If your set is connected with the EURO-ASTRA satellite, you can switch to 9.75G or 10G depending on your satellite dish type with the **◀ / ▶** button.
If the ASIASEAT satellite, select **10.0 G**.

Note : The satellite tuner is full band 950-2050 MHz.

LNB power on/off

1. Press the **MENU** button then the CYAN button.
2. Select **LNB Power** with the **▲ / ▼** button.
3. If your satellite dish has an external power supply or is fitted with an switch, select **Off** with the **◀ / ▶** button.
If not, select **On**.

Auto programme

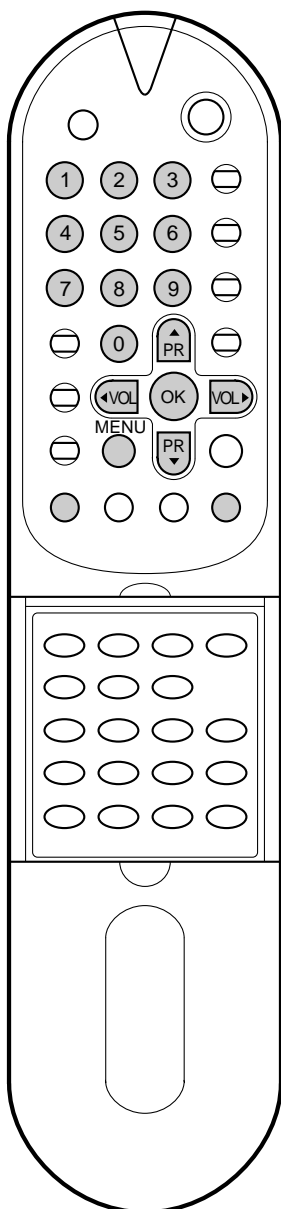
All receivable stations in the V/UHF range as well as in the cable range and the satellite range can be searched for and stored automatically with the automatic programming.

1. Press the **MENU** button then the RED button.
2. Select **Auto Programme** with the **▲ / ▼** button then press the **OK** button.
3. Select **Start** with the **▲ / ▼** button.
4. Enter a double digit programme number at which storing is to begin with the **◀ / ▶** or **NUMBER** buttons.
5. Select **Range** with the **▲ / ▼** button.
6. Set the socket to which the satellite dish is connected or the frequency range from which you want to receive station signals with the **◀ / ▶** button.

It is not necessary to select the system type. Therefore it cannot be changed while in Sat-Y/X range mode.

7. Select **BS Type** with the **▲ / ▼** button.
8. Select **EURO-ASTRA** or **ASIASEAT** with the **◀ / ▶** button.
EURO-ASTRA for the European satellite, **ASIASEAT** for the Asian satellite.
9. Select **Execute** with the **▲ / ▼** button.
10. Press the **OK** button to start auto programming.

If you wish to use a pay TV/satellite decoder please refer to the 'Manual programme' section steps 1, 2, 12 and 13 on the next page.



Satellite receiver (option)

The program edit mode appears after completing auto-programming. Exit the menu by pressing the **TV/AV** button if you agree with the programmes assignment.

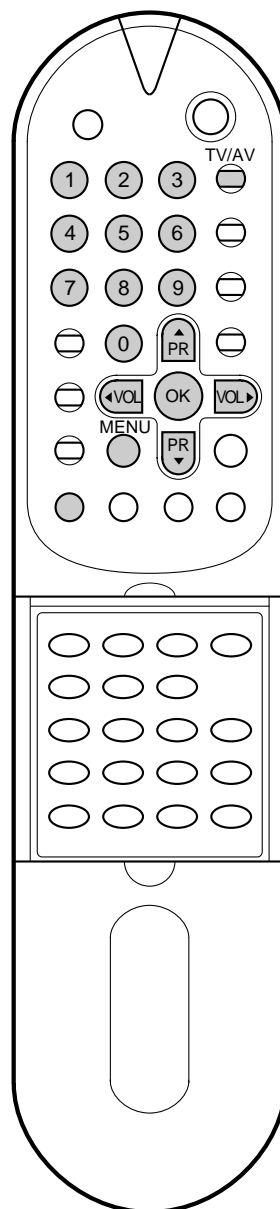
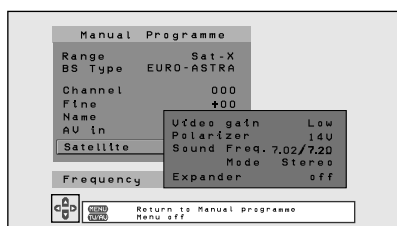
If not, you can edit the programmes as you prefer. See the 'Programme edit' section.

You can now recall the stored TV programmes with the **▲ / ▼** or **NUMBER** buttons.

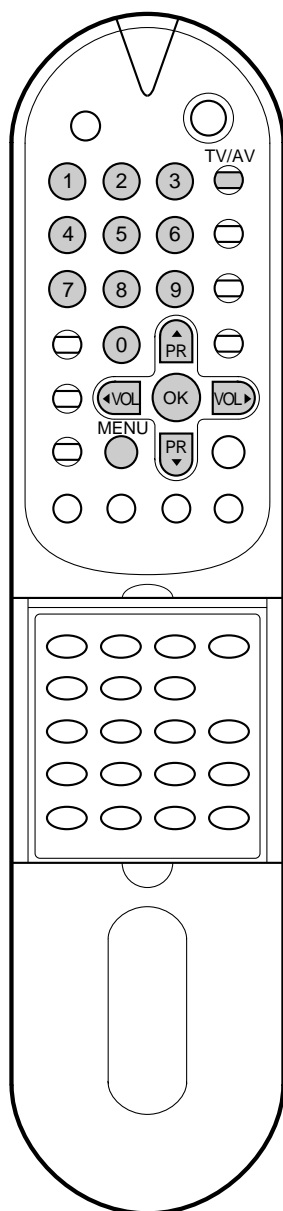
Manual programme

With this menu, you can set all the necessary data for receiving one satellite station or one terrestrial station and store it at one programme number.

1. Press the **MENU** button then the **RED** button.
2. Select **Manual Programme** with the **▲ / ▼** button then press the **OK** button.
3. Select **Range** with the **▲ / ▼** button.
4. Select the socket to which the satellite dish is connected with the **◀ / ▶** button; **Sat-Y** or **Sat-X**.
5. Select **BS Type** with the **▲ / ▼** button.
6. Select **EURO-ASTRA** or **ASIASAT** depending on your satellite type with the **◀ / ▶** button.
7. Select **Channel** with the **▲ / ▼** button.
8. Enter the channel number with the **◀ / ▶** or **NUMBER** buttons. A channel number are entered in three digits.
9. If reception condition is not good, select **Fine** with the **▲ / ▼** button. Change the fine tuning value to set the optimum picture and sound with the **◀ / ▶** button.
10. Select **Name** with the **▲ / ▼** button.
11. Enter the programme name with the **◀ / ▶** button.
A programme name has five positions and you can use the letters A to Z, numbers 0 to 9 and symbols +, - or blank.
Press the **OK** button to store one position, and the next position is called. If you want to stop entering the name, execute the next step.
12. Select **AV in** with the **▲ / ▼** button then the desired input source with the **◀ / ▶** button.
To use a pay TV/satellite decoder, please connect the decoder to Euro scart socket 1 and select **VCRI** if your decoder outputs a switching voltage on pin 8, if your decoder does not output a switching voltage please select **AV 1**. Select **VCRI** or **AV 1** with the **◀ / ▶** button.
13. Select **Satellite** with the **▲ / ▼** button.
14. Press the **OK** button.



Satellite receiver (option)



15. Select **Video gain** with the ▲ / ▼ button.
16. Select **High** or **Low** with the ◀ / ▶ button.
If **BS Type** is **ASIASAT**, **Low** is automatically set.
17. Select **Polarizer** with the ▲ / ▼ button.
18. Select the polarization with the ◀ / ▶ button; **18V** for horizontal, **14V** for vertical.
19. Select **Sound** with the ▲ / ▼ button.
20. Set the sound carrier frequency with the ◀ / ▶ button.
It can be set from 5.80 to 9.00 MHz.
You can also set the preset frequencies directly with the **NUMBER** buttons.

Button \ BS type	EURO-ASTRA	ASIASAT
0	5.80	5.80/5.98
1	6.50	6.30/6.48
2	6.60	6.60
3	6.65	6.80
4	7.02/7.20	7.02/7.20
5	7.38/7.56	7.38/7.56
6	7.74/7.92	7.74/7.92
7	8.10/8.28	8.10/8.28
8	8.46/8.64	8.46/8.64
9	8.82/9.00	8.82/9.00

21. In stereo sound mode, if the sound is noisy, you can select mono instead of stereo sound.
Select **Mode** with the ▲ / ▼ button.
Set **Sound 1** or **Sound 2** with the ◀ / ▶ button.
Select **Expander** with the ▲ / ▼ button then select **On** or **Off** with the ◀ / ▶ button.
22. Press the **MENU** button twice.
23. Select the double digit programme number with the ◀ / ▶ or **NUMBER** buttons.
24. Select **Store?** with the ▲ / ▼ button.
25. Select **Yes** to execute or **No** to cancel storage with the ◀ / ▶ button.
26. Press the **OK** button.
All the set reception data is now stored in the selected programme number.

Repeat steps 3 to 26 for further programmes.

Exit the menu by pressing the **TV/AV** button.

Note : Certain satellite programme will require a decoder and a subscription to the service provider. Please contact your dealer for more information.

Satellite receiver (option)

Satellite frequency guide

Frequency (GHz)	Channel NO	Display	
		10G	9.75G
10.698	138	698*	948
10.706	139	706*	956
10.434	140	714*	964
10.442	141	722*	972
10.450	142	730*	980
10.458	143	738*	988
10.466	144	746*	996
10.474	145	754*	1004
10.482	146	762*	1012
10.490	147	770*	1020
10.498	148	778*	1028
10.506	149	786*	1036
10.514	150	794*	1044
10.522	151	802*	1052
10.530	152	810*	1060
10.538	153	818*	1068
10.546	154	826*	1076
10.554	155	834*	1084
10.562	156	842*	1092
10.570	157	850*	1100
10.578	158	858*	1108
10.586	159	866*	1116
10.594	160	874*	1124
10.602	161	882*	1132
10.610	162	890*	1140
10.618	163	898*	1148
10.626	164	906*	1156
10.634	165	914*	1164
10.642	166	922*	1172
10.650	167	930*	1180
10.658	168	938*	1188
10.666	169	946*	1196
10.954	000	954	1204
10.962	001	962	1212
10.970	002	970	1220
10.978	003	978	1228
10.986	004	986	1236
10.994	005	994	1244
11.002	006	1002	1252
11.010	007	1010	1260
11.018	008	1018	1268
11.026	009	1026	1276
11.034	010	1034	1284
11.042	011	1042	1292
11.050	012	1050	1300
11.058	013	1058	1308
11.066	014	1066	1316
11.074	015	1074	1324
11.082	016	1082	1332
11.090	017	1090	1340
11.098	018	1098	1348
11.106	019	1106	1356
11.114	020	1114	1364
11.122	021	1122	1372
11.130	022	1130	1380
11.138	023	1138	1388
11.146	024	1146	1146
11.154	025	1154	1154
11.162	026	1162	1162
11.170	027	1170	1170
11.178	028	1178	1178
11.186	029	1186	1186

Frequency (GHz)	Channel NO	Display	
		10G	9.75G
11.194	030	1194	1444
11.202	031	1202	1452
11.210	032	1210	1460
11.218	033	1218	1468
11.226	034	1226	1476
11.234	035	1234	1484
11.242	036	1242	1492
11.250	037	1250	1500
11.258	038	1258	1508
11.266	039	1266	1516
11.274	040	1274	1524
11.282	041	1282	1532
11.290	042	1290	1540
11.298	043	1298	1548
11.306	044	1306	1556
11.314	045	1314	1564
11.322	046	1322	1572
11.330	047	1330	1580
11.338	048	1338	1588
11.346	049	1346	1596
11.354	050	1354	1604
11.362	051	1362	1612
11.370	052	1370	1620
11.378	053	1378	1628
11.386	054	1386	1636
11.394	055	1394	1644
11.402	056	1402	1652
11.410	057	1410	1660
11.418	058	1418	1668
11.426	059	1426	1676
11.434	060	1434	1684
11.442	061	1442	1692
11.450	062	1450	1700
11.458	063	1458	1708
11.466	064	1466	1716
11.474	065	1474	1724
11.482	066	1482	1732
11.490	067	1490	1740
11.498	068	1498	1748
11.506	069	1506	1756
11.514	070	1514	1764
11.522	071	1522	1772
11.530	072	1530	1780
11.538	073	1538	1788
11.546	074	1546	1796
11.554	075	1554	1804
11.562	076	1562	1814
11.570	077	1570	1820
11.578	078	1578	1828
11.586	079	1586	1836
11.594	080	1594	1844
11.602	081	1602	1852
11.610	082	1610	1860
11.618	083	1618	1868
11.626	084	1626	1876
11.634	085	1634	1884
11.642	086	1642	1892
11.650	087	1650	1900
11.658	088	1658	1908
11.666	089	1666	1916
11.674	090	1674	1924
11.682	091	1682	1932

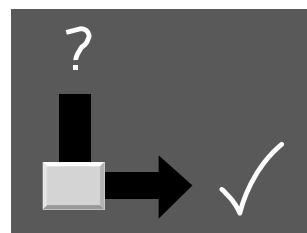
Frequency (GHz)	Channel NO	Display	
		10G	9.75G
11.690	092	1690	1940
11.698	093	1698	1948
11.706	094	1706	1956
11.714	095	1714	1964
11.722	096	1722	1972
11.730	097	1730	1980
11.738	098	1738	1988
11.746	099	1746	1996
11.754	100	1754	2004
11.762	101	1762	2012
11.770	102	1770	2020
11.778	103	1778	2028
11.786	104	1786	2036
11.794	105	1794	2044
11.802	106	1802	2052
11.810	107	1810	2060#
11.818	108	1818	2068#
11.826	109	1826	2076#
11.834	110	1834	2084#
11.842	111	1842	2092#
11.850	112	1850	2100#
11.858	113	1858	2108#
11.866	114	1866	2116#
11.874	115	1874	2124#
11.882	116	1882	2132#
11.890	117	1890	2140#
11.898	118	1898	2148#
11.906	119	1906	2156#
11.914	120	1914	2164#
11.922	121	1922	2172#
11.930	122	1930	2180#
11.938	123	1938	2188#
11.946	124	1946	2196#
11.954	125	1954	2204#
11.962	126	1962	2212#
11.970	127	1970	2220#
11.978	128	1978	2228#
11.986	129	1986	2236#
11.994	130	1994	2244#
12.002	131	2002	2252#
12.010	132	2010	2260#
12.018	133	2018	2268#
12.026	134	2026	2276#
12.034	135	2034	2284#
12.042	136	2042	2292#
12.050	137	2050	2300#

Note :

- The mark * is not to receive these frequencies with a 10 GHz LNB.
- The mark # is not to receive these frequencies with a 9.75 GHz LNB.
- Further information on satellite programmes is obtainable from the appropriate magazines or your dealer.

Symptoms

Remote control does not work



Check these items and try to adjust these

Check Audio/Video sockets (VCR only)



LG Electronics GUARANTEE

LG Electronics U.K. Ltd. will provide the following services in order to expedite this Guarantee

1. All faulty components which fail due to defective manufacture will be replaced free of charge for a period of 12 months from the original date of purchase.
2. The dealer (or his service agent) who sold the product will be reimbursed for any labour provided in the repair of this LG equipment, for a period of 12 months from the original date of purchase. These claims must be made in accordance with the published scale of service charges and relevant claims procedure.

PLEASE NOTE:

- A. The dealer may restrict the guarantee to the original purchaser.
- B. The dealer is not obliged to carry out service under guarantee if unauthorised modifications are made to the apparatus, or if non standard components are used or if the serial number of the apparatus is removed, defaced, misused, or altered.
- C. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased. The dealer may, before carrying out service under guarantee, require a receipted account as evidence of the date of purchase.
- D. We respectfully point out that your dealer is not obligated to replace batteries if they become exhausted or worn in use.
- E. Aerial alignment and consumer control adjustments are not covered by this guarantee.

This guarantee does not affect your statutory rights.

REQUIREMENTS TO MAINTAIN WARRANTY COVERAGE:

RETAIN YOUR RECEIPT TO PROVE DATE OF PURCHASE. A COPY OF YOUR RECEIPT MUST BE SURRENDERED AT THE TIME GUARANTEE SERVICE IS PROVED.

- | | |
|--------------------------------------|---|
| Product Registration Card: | It is helpful to complete at least your name, address, phone, model & serial numbers and return it. This will enable LG to assist you in the future should you lose your receipt, your units be stolen, or should modifications be necessary. |
| To obtain information or assistance: | Call 01753 500470 Monday-Friday 9.00am-4.30pm |

From the Republic of Ireland:

Call 00 44 1753 500470

MODEL NO.*	SERIAL NO.*	DATE OF PURCHASE *

*

Please complete for your own record

**In all cases of difficulty - consult your LG
dealer from whom the product was purchased**