



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 :



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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.

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

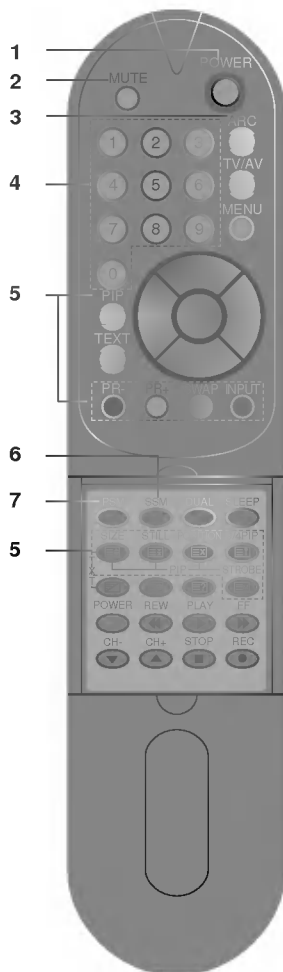
Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back 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. MUTE**
switches the sound on or off.
- 3. ARC (Aspect Ratio Control)**
changes the picture format.
- 4. NUMBER BUTTONS**
switch the set on from standby or directly select a number.
- 5. 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
changes the sub picture size.

STILL
freezes motion of the sub picture.

POSITION
relocates the sub picture in clockwise direction.

9/4 PIP
searches the stored stations on 9 or 4 sub pictures.

STROBE
sequentially displays a freeze frame of the main picture on 9 or 4 sub pictures.

- 6. SSM (Sound Status Memory)**
recalls your preferred sound setting.
- 7. PSM (Picture Status Memory)**
recalls your preferred picture setting.

Location and function of controls

8. TV/AV

selects TV or AV mode.

9. MENU

displays or clears the main menu.
returns to the previous menu.

10. ▲/▼ (Programme Up/Down)

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

◀/▶ (Volume Down/Up)

adjusts the volume.
selects a menu icon in the Main menu or adjusts menu settings.

OK

accepts your selection or displays the current mode.

11. TELETEXT BUTTONS (option)

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

12. DUAL

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

13. SLEEP

sets the sleep timer.

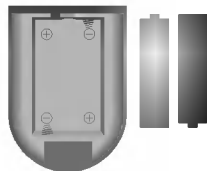
14. VCR BUTTONS

control a LG video cassette recorder.

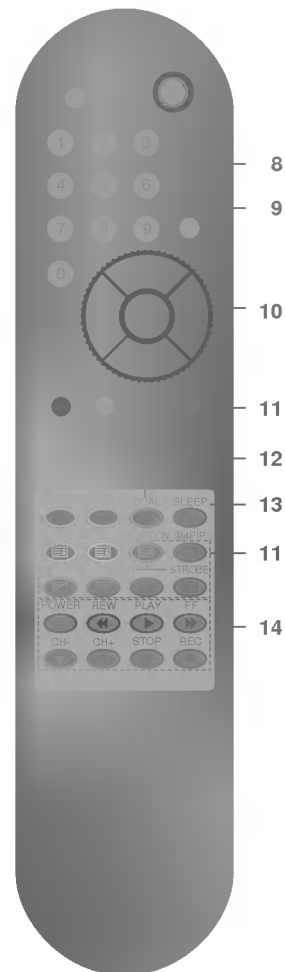
Note : In teletext mode, the **PR+/-**, **SWAP**, **INPUT**, **SIZE**, **STILL**, **POSITION**, **9/4 PIP** and **STROBE** buttons are used for teletext function.

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.



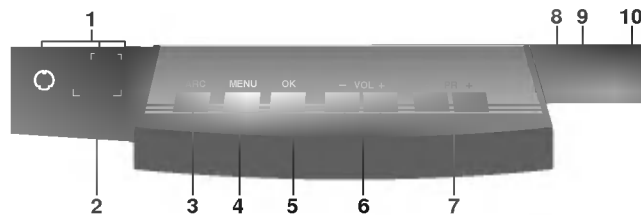
Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.



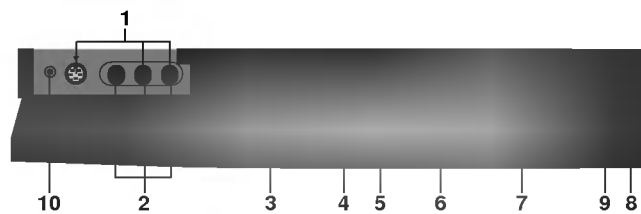
Location and function of controls

Front panel

WF-28A10 series



WF-28/32A20 series



1. S-VIDEO/AUDIO IN SOCKETS

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 INPUT3.

2. AUDIO/VIDEO IN SOCKETS (INPUT3)

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

3. ARC (Aspect Ratio Control)

changes the picture format.

4. MENU

displays or clears the main menu.
returns to the previous menu.

5. OK

accepts your selection or displays the current mode.

6. ◀/▶ (Volume Down/Up)

adjusts the volume.
selects a menu icon in the Main menu or 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. STANDBY INDICATOR

illuminates red when the set is in standby mode.

10. MAIN POWER

switches the set on or off.

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** on the remote control handset, ▲/▼ or NUMBER buttons 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

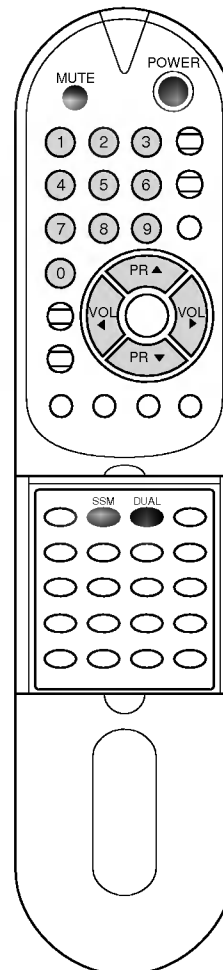
You can select a programme number with the ▲/▼ or NUMBER buttons.

Volume adjustment

Press the ◀/▶ button to adjust the volume.

Mute function

Press the **MUTE** button. The sound is switched off and the display  appears. You can cancel it by pressing the **MUTE**, ◀/▶, **SSM** or **DUAL** button.

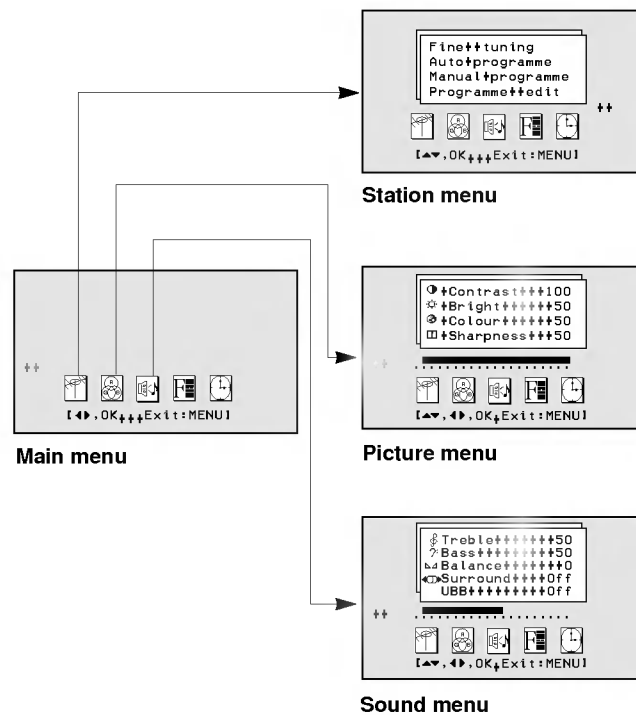
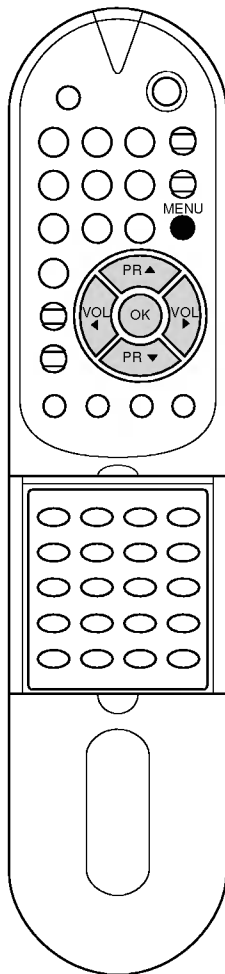


On screen menus

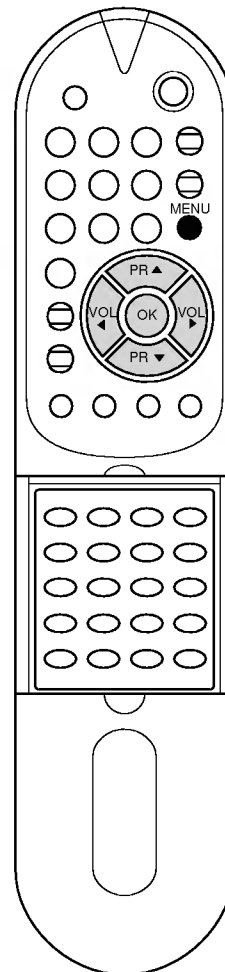
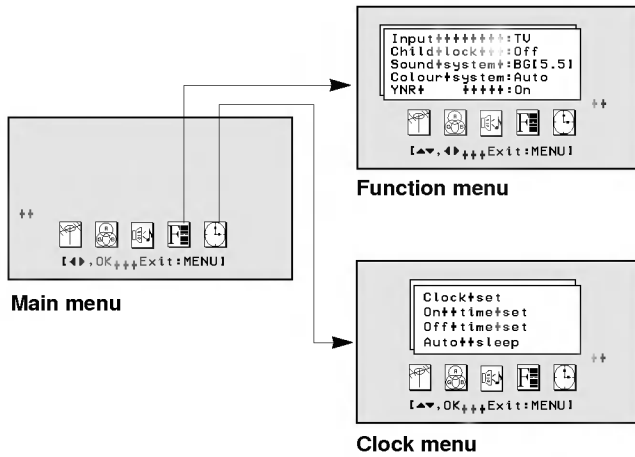
The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

Menu selection

1. Press the **MENU** button to display the Main menu.
2. Press the **◀/▶** button to select the desired menu icon.
The selected menu icon changes from green to purple.
3. Press the **OK** button to display the selected menu.
4. Press the **▲/▼** button to select a menu item.
The selected menu item changes from green to purple.
5. Press the **◀/▶** button to change the setting of a menu item or **OK** button to display the sub menu.



On screen menus



Note :

- a. The menus automatically disappear in about 10 seconds if you do not press a button. However if you press the **MENU** button again, the Main menu will appear with your last selected menu icon.
- b. In the TV mode, all menu icons of the Main menu appear in green and are all available. But in the AV or teletext mode, some menu icons appear in blue and are not available.
- c. In the AV mode, **Sound system** of the Function menu is not displayed.
- d. In the teletext mode, **Sharpness** of the Picture menu is not displayed.

Setting up TV stations




Up to 100 TV stations can be stored in this set 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.

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.

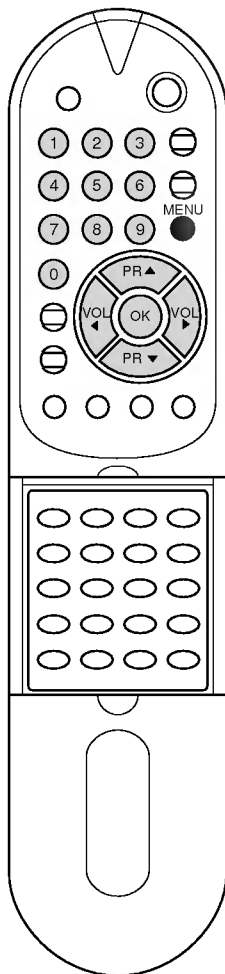
1. Press the **MENU** button to display the Main menu.
2. Press the ◀/▶ button to select the Station menu icon .
3. Press the **OK** button to display the Station menu.
4. Press the ▲/▼ button to select **Auto programme**.
5. Press the **OK** button to begin auto programming.

The band automatically changes
VHF-L → VHF-H → UHF.

When auto programming is completed, the station stored into programme number 1 will appear on the screen with the Station menu displayed.

To stop auto programming, press the **OK** button. The station stored into programme number 1 will appear on the screen with the Station menu displayed.


Note : Some undesired stations may be stored, such as noisy or unclear signals from distant transmitters. You can easily skip these stations by entering **Programme edit** mode.



Setting up TV stations

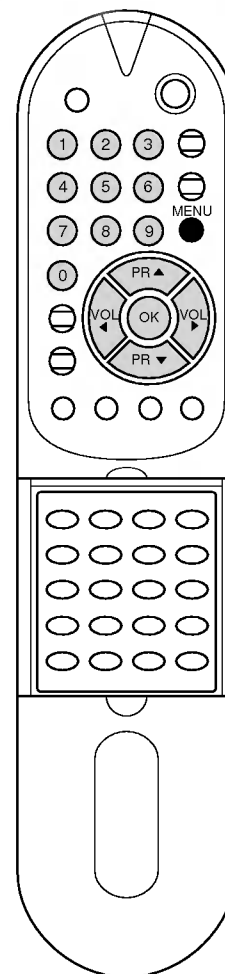
Manual programme tuning

Manual programme lets you manually tune and arrange the stations in whatever order you desire.

1. Press the **MENU** button to display the Main menu.
2. Press the **◀/▶** button to select the Station menu icon .
3. Press the **OK** button to display the Station menu.
4. Press the **▲/▼** button to select **Manual programme**.
5. Press the **OK** button to display the **Manual programme** mode.



6. Press the **▲/▼** button to select **Programme**. Select the desired programme number with the **◀/▶** button or NUMBER buttons.
7. Press the **▲/▼** button to select **Band**. Press the **◀/▶** button to select **VHF-L**, **VHF-H** or **UHF** as required.
8. Press the **▲/▼** button to select **Search**. Press the **▶** button to commence searching. To stop the search at any time press the **OK** button.
9. If this station is the one required select the last menu item **Store** with the **▲/▼** button and then store it with the **◀/▶** button, if not press the **▶** button again.
10. To store another station repeat steps 6 to 9.
11. Repeatedly press the **MENU** button to return to normal TV viewing.



Fine tuning

Normally fine tuning is only necessary if reception is poor.


1. Repeat steps 1 to 3 above.
2. Press the **▲/▼** button to select **Fine tuning**.
3. Press the **OK** button to display the **Fine tuning** mode.
4. Press the **◀/▶** button to fine tune for the best picture and sound.
5. Press the **OK** button to store the new setting. The display **Stored** will appear.
6. Press the **MENU** button twice to return to normal TV viewing. The finely tuned programme will be indicated by yellow number during programme selection.

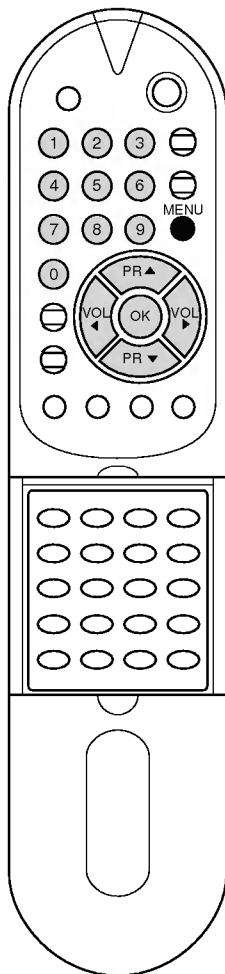
Setting up TV stations



Programme edit

This function enables you to rearrange the programmes stored by auto programming in whatever order you desire. Also you can skip particular programme numbers stored by auto programming or it is possible to assign a station name with five characters to each programme number.

1. Press the **MENU** button to display the Main menu.
2. Press the ◀/▶ button to select the Station menu icon .
3. Press the **OK** button to display the Station menu.
4. Press the ▲/▼ button to select **Programme edit**.
5. Press the **OK** button to display the **Programme edit** mode.



Exchanging programmes

1. Press the ◀/▶ button to change the left hand programme number. The viewing station corresponding to the new programme number is shown on the screen.
2. Press the NUMBER buttons to enter the desired right hand programme number. Any number under 10 is entered with a numeric '0' in front of it, i.e. '05' for 5. At this time if your set has two tuners PIP function the selected programme appears on the sub picture.
3. Press the **OK** button. The station stored in the right hand programme number will now appear as the left hand programme number and the sub picture will disappear.
4. Repeat steps 1 to 3 to exchange other programmes.

Assigning a station name

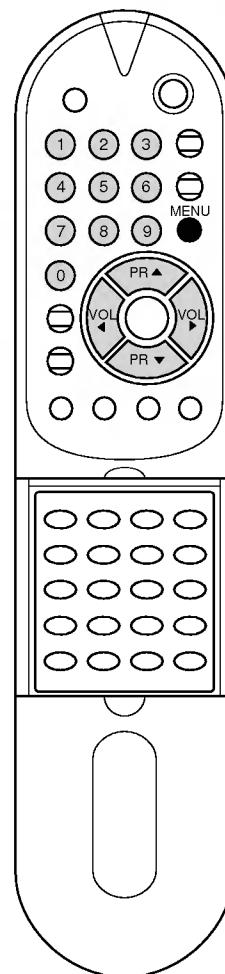
1. Select the programme to which you want to assign a station name with the ◀/▶ button.
2. Press the ▲/▼ button to select **Name**.
3. To select your desired first character, press the ▶ button several times or continuously. The - will blink, followed by ., +, a blank, the numeric 0 to 9, the alphabet A to Z, in turn. With the ◀ button you can select in the opposite direction.
4. Select the next position by pressing the **OK** button and then take your choice of the second character, and so on.
5. Repeat steps 1 to 4 to assign another station name.

Setting up TV stations

Skipping a stored programme

1. Press the ◀/▶ button to select the programme you want to skip. The viewing station corresponding to the selected programme number is shown on the screen.
2. Press the ▲/▼ button to select **Skip**.
3. Press the ◀/▶ button to select **On** or **Off**.
If you select **On**, the selected station is skipped.
4. Repeat steps 1 to 3 to skip another programme.
The selection of the skipped programme numbers with the NUMBER buttons is still possible and they will be indicated by blue numbers during programme selection.


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



Picture adjustment



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

1. Press the **MENU** button to display the Main menu.
2. Press the ◀/▶ button to select the Picture menu icon .
3. Press the **OK** button to display the Picture menu.
4. Press the ▲/▼ button to select the desired picture item.
5. Press the ◀/▶ button to make appropriate adjustments.

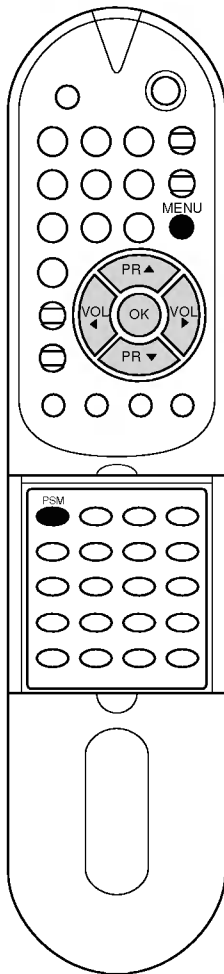
At this point you can complete your adjustments or store your setting for immediate recall by following steps 6 to 8.

6. Press the **OK** button.



7. Select **Favorite 1** or **Favorite 2** with the ▲/▼ button. The **Favorite 1** or **Favorite 2** options allow you to programme two entirely different picture settings for various lighting conditions such as day and night.
8. Press the **OK** button. The display **Stored** will appear.
9. Press the **MENU** button twice to return to normal TV viewing.

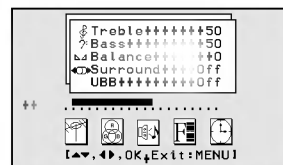
To recall your preferred setting, press the **PSM** button until the desired picture (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** picture is programmed for good picture reproduction at the factory and cannot be changed.




Sound adjustment

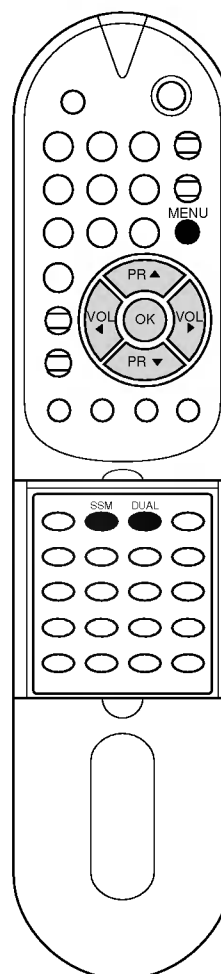
Sound adjustment

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



1. Press the **MENU** button to display the Main menu.
2. Press the **◀/▶** button to select the Sound menu icon .
3. Press the **OK** button to display the Sound menu.
4. Press the **▲/▼** button to select the desired sound item.
5. Press the **◀/▶** button to make desired adjustment.
6. Press the **OK** button to store. The adjusted sound level is stored in the **Favorite sound**.
7. Press the **MENU** button twice to return to normal TV viewing.

To recall your preferred setting, press the **SSM** button until the desired sound (**Standard sound**, **Music sound** or **Favorite sound**) appears. The **Standard sound** and **Music sound** are 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 with the colour system, programme number, station name (only when it is set).

Broadcast	On Screen Display
Mono	(None)
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 **DUAL** button. In mono reception the depth of sound is improved. To switch back to stereo, press the **DUAL** button again.

Language selection for dual language broadcast

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

DUAL I sends the primary broadcast language to the loudspeakers.

DUAL II sends the secondary broadcast language to the loudspeakers.

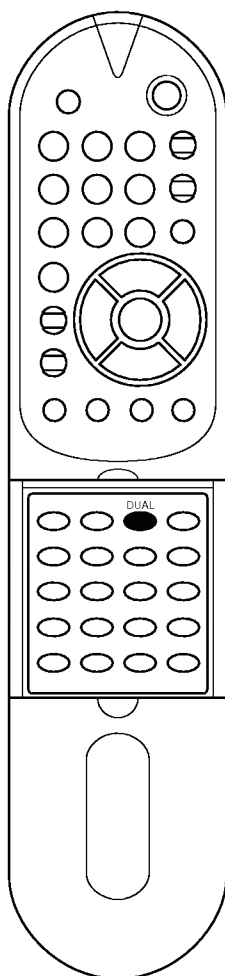
DUAL I II sends a separate language to each loudspeaker.

Sound adjustment

NICAM reception (option)

The high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received in the set.

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



1. When NICAM mono is received, you can select **MONO NICAM** or FM MONO.
2. When NICAM stereo is received, you can select **STEREO NICAM** 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** or **DUAL I II** or **MONO**. When FM mono is selected the display **MONO** appears on the screen.

Sound output selection

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

Repeatedly press the **DUAL** button to select the sound output.

LR : Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loud-speaker.

LL : Audio signal from audio L input is sent to left and right loudspeakers.


RR : Audio signal from audio R input is sent to left and right loudspeakers.

Other functions

TV and AV modes

Inputs can be set for TV or AV mode. AV mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.

Note : When a VCR is connected via the aerial socket the set is used in TV mode. See the 'Connection of external equipment' section.


1. Press the **MENU** button to display the Main menu.
2. Press the **◀/▶** button to select the Function menu icon .
3. Press the **OK** button to display the Function menu.
4. Press the **▲/▼** button to select **INPUT**.
5. Press the **◀/▶** button to select **TV, AV1, AV2, AV3** or **S-AV**.
The four AV modes are :
AV 1 : VCR connected to the **INPUT1** sockets on the back
AV 2 : VCR connected to the **INPUT2** sockets on the back
AV 3 : VCR connected to the **INPUT3** sockets on the front panel
S-AV : VCR connected to the **AUDIO** and **S-VIDEO** sockets on the front panel
6. Press the **MENU** button twice to clear the on screen menu.
To return to TV mode from AV mode press the **▲/▼** or **NUMBER** buttons.

Alternatively you can select the TV or AV mode by pressing the **TV/AV** button.

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.

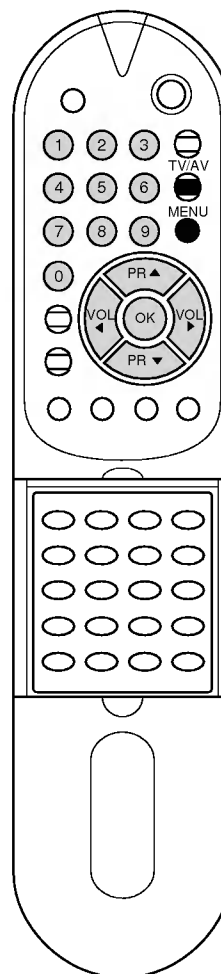
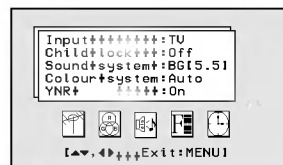
1. Press the **MENU** button to display the Main menu.
2. Press the **◀/▶** button to select the Function menu icon .
3. Press the **OK** button to display the Function menu.
4. Press the **▲/▼** button to select **Child lock**.
5. Press the **◀/▶** button on the remote control handset to select **On**.
6. Press the **MENU** button twice to return to normal TV viewing.

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

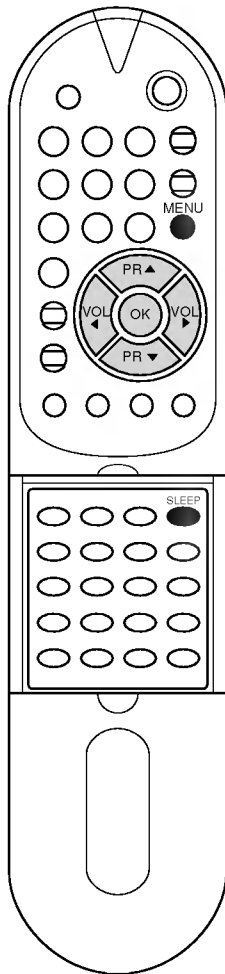
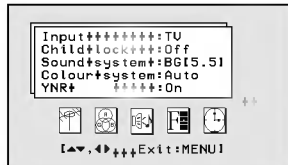
Sound system setting

If the sound is distorted or noisy, reset TV system using this function.

1. Press the **MENU** button to display the Main menu.
2. Press the **◀/▶** button to select the Function menu icon .
3. Press the **OK** button to display the Function menu.
4. Press the **▲/▼** button to select **Sound system**.
5. Press the **◀/▶** button to select the correct sound system, **BG[5.5], I[6.0], DK[6.5]** or **M[4.5]**.
6. Press the **MENU** button twice to return to normal TV viewing.




Other functions




Colour system setting

This set is adjusted for the main TV system in your area. Under normal circumstances, select **Auto**. If necessary (if input signal is weak), change the colour system by using the instructions below.

1. Press the **MENU** button to display the Main menu.
2. Press the ◀/▶ button to select the Function menu icon .
3. Press the **OK** button to display the Function menu.
4. Press the ▲/▼ button to select **Colour system**.
5. Press the ◀/▶ button to select the correct colour system, **Auto**, **PAL**, **SECAM**, **NTSC4.43** or **NTSC3.58**.
6. Press the **MENU** button twice to return to normal TV viewing.

YNR (Luminance Noise Reduction)

This function during viewing reduces picture noise.

1. Press the **MENU** button to display the Main menu.
2. Press the ◀/▶ button to select the Function menu icon .
3. Press the **OK** button to display the Function menu.
4. Press the ▲/▼ button to select **YNR**.
5. Press the ◀/▶ button to select **On**.
6. Press the **MENU** button twice to return to normal TV viewing.

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.

Press the **SLEEP** button to select the number of minutes. The display --- will appear on the screen, followed by **120**, **90**, **60**, **50**, **40**, **30**, **20** and **10**.

The timer begins to count down from the number of minutes selected.

Note :

- a. To view the remaining sleep time, press the **SLEEP** button once.
- b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display **Sleep---** appears.
- c. When you switch the set off, the set releases the preset sleep time.

Other functions

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.

4:3 Normal

This is the 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)

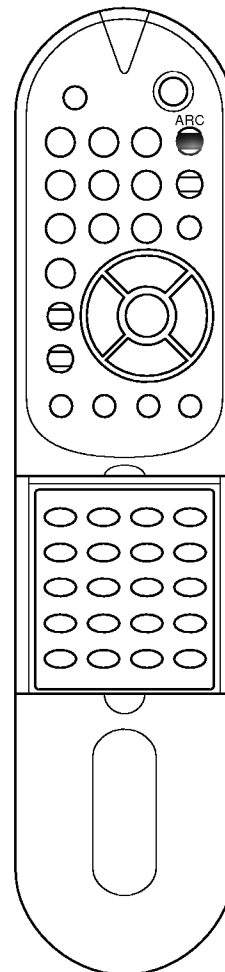
Cinema screen pictures are viewed like this. Some TV stations broadcast programmes (mainly films) in the mode. To enjoy the cinema picture, select this mode.

Zoom 1

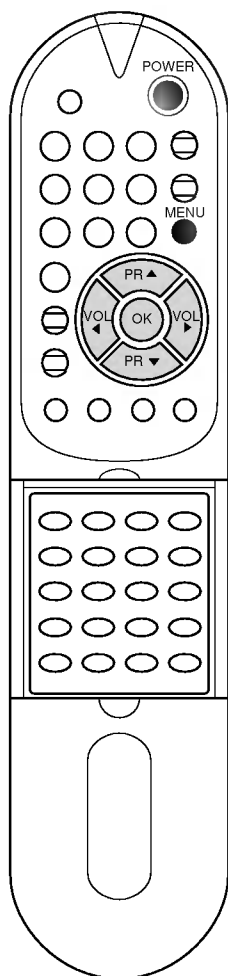
The normal 4 by 3 picture is magnified to fill the whole screen but the extreme top and bottom of the picture are lost.

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.




Time setting



Clock

The clock uses the 24 hour system, and must be set to the correct time before operating the set.

1. Press the **MENU** button to display the Main menu.
2. Press the ◀/▶ button to select the Clock menu icon .
3. Press the **OK** button to display the Clock menu.
4. Press the ▲/▼ button to select **Clock set**.
5. Press the **OK** button to display the **Clock set** mode.
6. Select and adjust hour and minute by pressing the ◀/▶ and ▲/▼ buttons.
7. Press the **OK** button to start.

On/off time

By using this function, the set automatically switches on at the preset time and station. You must set the clock correctly before using on/off time functions.

1. Repeat steps 1 to 3 above.
2. Press the ▲/▼ button to select **On time set** or **Off time set**.
3. Press the **OK** button to display the sub menu.
4. Select and adjust hour, minute, **Run/Hold**, and programme number by pressing the ◀/▶ and ▲/▼ buttons.
5. Press the **OK** button to start.

For OFF TIME SET, repeat above steps. Please note the absence of programme number in this mode.

Note :

- a. In the event of power interruption (disconnection or power failure), the clock must be reset.
- b. **Run/Hold** option is used to activate or deactivate preset on / off times.
- c. If the same time is set for the on time and the off time, only the off time operates.
- d. This set must be put into standby mode with the **POWER** button on the remote control to operate the on time function.
- e. If the on time function activates, the TV will automatically switch to the on time programme number, even during viewing.
- f. Two hours after the set is turned on by the on time function it will automatically switch back to standby mode unless a button has been pressed.
- g. Once the on or off time is set, these functions operate daily at the preset time.

Auto sleep

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

1. Repeat 'Clock' steps 1 to 3 above.
2. Press the ▲/▼ button to select **Auto sleep**.
3. Press the **OK** button to display the sub menu.
4. Press the ◀/▶ button to select **On** or **Off**.
5. Press the **OK** button to store.

Press the **MENU** button twice to return to normal TV viewing.

PIP operation (option)

PIP (Picture in Picture) displays a picture within a picture. Thus, at the same time you can watch two different programmes.

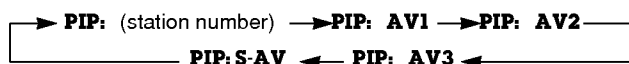
On and off

Press the **PIP** button to switch on a sub picture.
Press this button again to switch it off.

Input mode selection for sub picture

Press the **INPUT** button while the sub picture remains within the main picture.

Each time this button is pressed, each input mode for the sub picture is displayed as shown below on the main screen beneath the programme number.



Swapping between main and sub picture

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

Sub picture freeze

Press the **STILL** button to freeze 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.

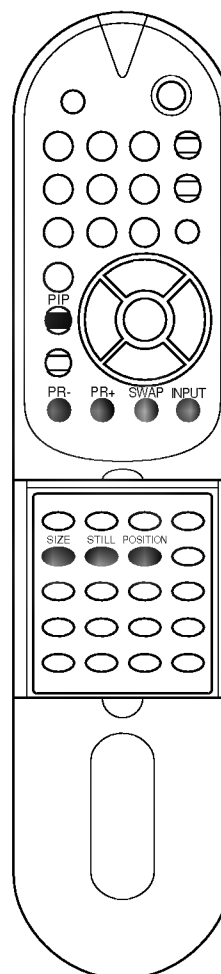
Sub picture size

Repeatedly press the **SIZE** button to select the desired sub picture size. The sub picture appears as 1/4 size of the main picture, followed by 1/9, 1/16 and then the wide screen format of the 1/16 picture.

Programme selection for sub picture

Press the **PR +/-** buttons. The selected programme number is displayed beneath the main picture programme number.

Note : PIP operations differ between one or two tuner TVs. One tuner models cannot simultaneously display two separate TV programmes as can two tuner models.



PIP operation (option)

PIP search

This function enables you to search all the stored stations on 9 or 4 sub pictures and see your favorite station by exchanging the main and sub pictures.

Press the **9/4 PIP** button. 9 sub pictures appear and search all the stored stations.

Press this button again. At this time 4 sub pictures search them.

Press the **9/4 PIP** button once more. The 9 or 4 sub pictures switch off.

If you press the **SWAP** button while the desired station is being searched, the main and sub picture are exchanged so the station being searched appears on the main picture.

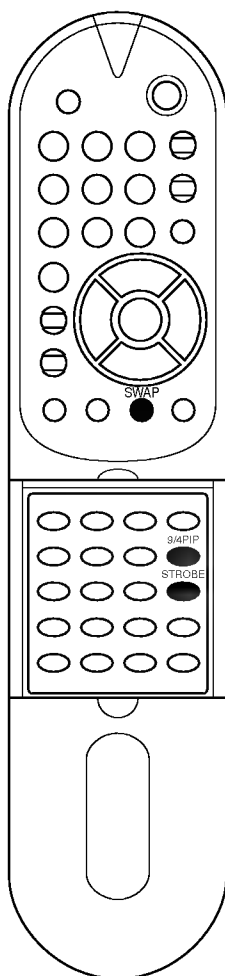
Strobe

This function sequentially displays the current main picture frame by frame on 9 or 4 sub pictures.

Press the **STROBE** button. A freeze frame of current main picture is sequentially displayed on 9 sub pictures.

Press this button again. At this time 4 sub pictures display a freeze frame one by one.

Press this button once more. The 9 or 4 sub pictures switch off.



Teletext (option)

Teletext is an optional function, therefore only 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 LIST, TOP and FASTEXT modes. LIST (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 selected 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.

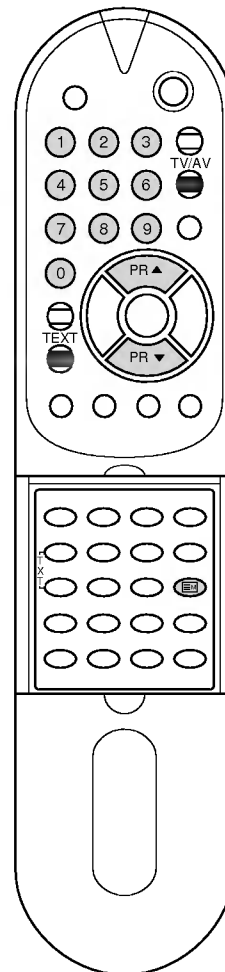
Press the **TEXT** or **TV/AV** button to switch off teletext.

LIST mode

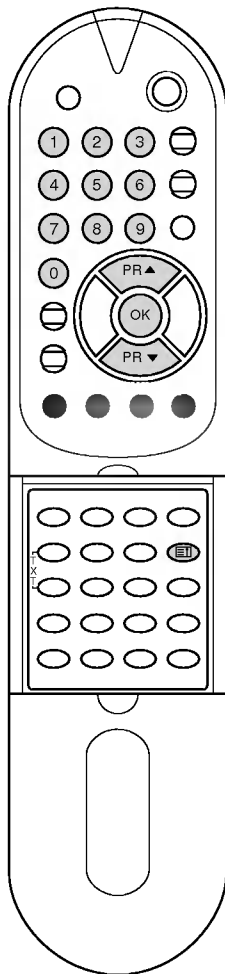
If the TV is in TOP or FASTEXT mode, press the  button to switch to LIST mode.

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. If the page is not available, the page number, e.g. "> 300 <" will flash for a few seconds.
2. The **▲/▼** button can be used to select the preceding or following page.



Teletext (option)



Programming a colour button

Four teletext page numbers of your choice can be colour coded and easily selected by pressing the corresponding coloured button on the remote control handset.

1. Using the NUMBER buttons, select the page you wish to programme.
2. Wait until the page is displayed on the screen and press the **OK** button. The page numbers in the colour boxes along the bottom of the screen change to ">000?".
3. Press a coloured button to store the page number. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in the same way.

TOP mode (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 LIST teletext mode, you can select a page by entering a three digit number with the NUMBER buttons in TOP mode. If the page is not available, the page number, e.g. ">300<" flashes for a few seconds.

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

Teletext (option)

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 then 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 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.

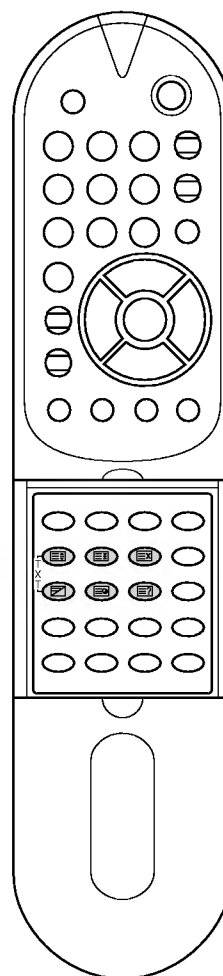
To switch the TV picture off press this button again.



TIME

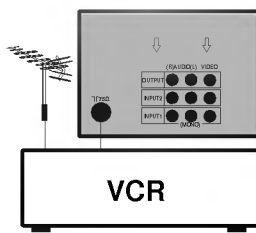
When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display.

In teletext mode press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN, / or NUMBER button. Press this button again to exit this function.



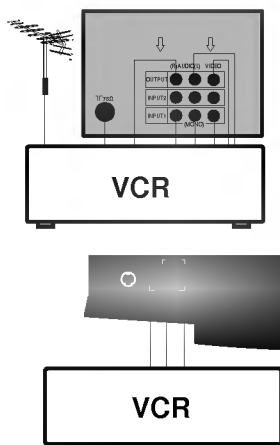
Connection of external equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Here shown may be somewhat different from the back of your set.



Aerial socket

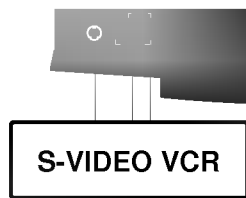
1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.
4. Select the programme number where the VCR station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



Audio/Video in/out sockets

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 out sockets of the set.
2. If the VCR is connected to the **INPUT1** sockets, press the **TV/AV** button to select **AV1**. You should select **AV2** if **INPUT2** sockets on the back panel are connected to the VCR or **AV3** if **INPUT3** sockets on the front panel are used.
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.



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

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

1. Connect the video out socket of the S-VIDEO VCR to the **S-VIDEO** socket on the front panel of the set.
2. Connect the audio cable from the S-VIDEO VCR to the **AUDIO** sockets on the front panel of the set.
3. Select **S-AV** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.
The VCR playback picture appears on the screen.

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

Troubleshooting check list

Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

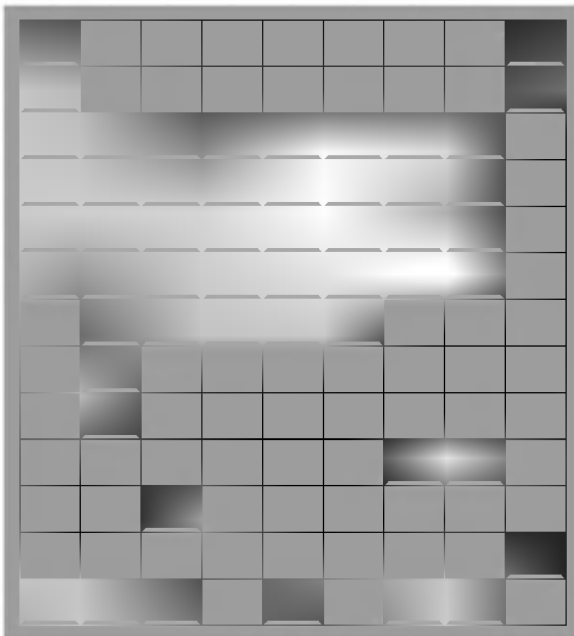
Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work



Check these items and try to adjust these

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)