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 : 482-H75E (MP55A, 229Y TX)

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Installation

Power

This set operates on a AC mains supply, the voltage is as indicated on the label on the back. Never apply DC power to the set. To protect your set from damage during thunderstorms, please pull out the mains plug and aerial plug.

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

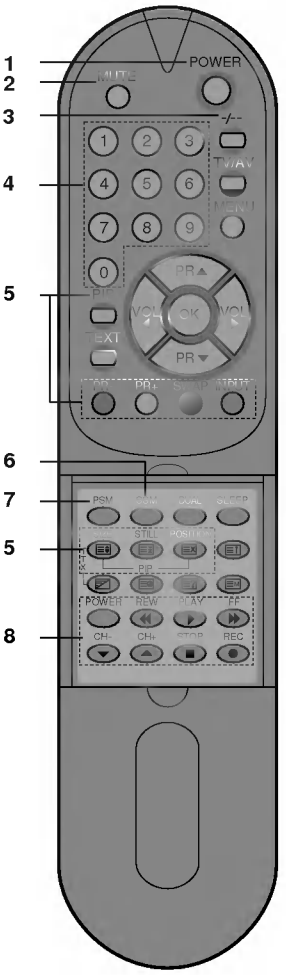
Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.
Do not place the set on a sloping or unstable area as the casters on the bottom of the set may cause it to move and to be damaged.

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. **UNIT**
   selects single or double digit.

4. **NUMBER BUTTONS**
   switch the set on from standby or directly select a number.

5. **PIP BUTTONS**

   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.

   SIZE
   adjusts the sub picture size.

   PR+/-
   selects a programme for the sub picture.

6. **SSM (Sound Status Memory)**
   recalls your preferred sound setting.

7. **PSM (Picture Status Memory)**
   recalls your preferred picture setting.

8. **VCR BUTTONS**
   control an LG video cassette recorder.

Location and function of controls

9. TV/AV
selects TV or AV mode.

10. MENU
selects a menu.

11. ▲ / ▼ (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.

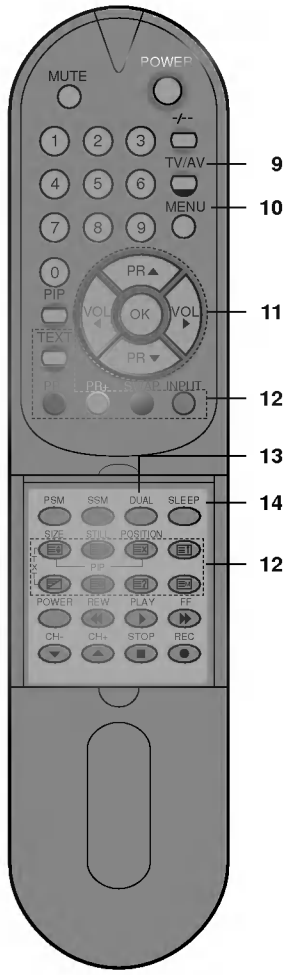
OK
accepts your selection or displays the current mode.

12. TELETEXT BUTTONS (option)
These buttons are used for teletext.
For further details, see the 'Teletext' section.

13. DUAL
selects the language during dual language broadcast.
selects mono sound during stereo broadcasts.

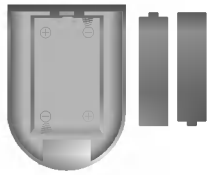
14. SLEEP
sets the sleep timer.

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



Battery installation

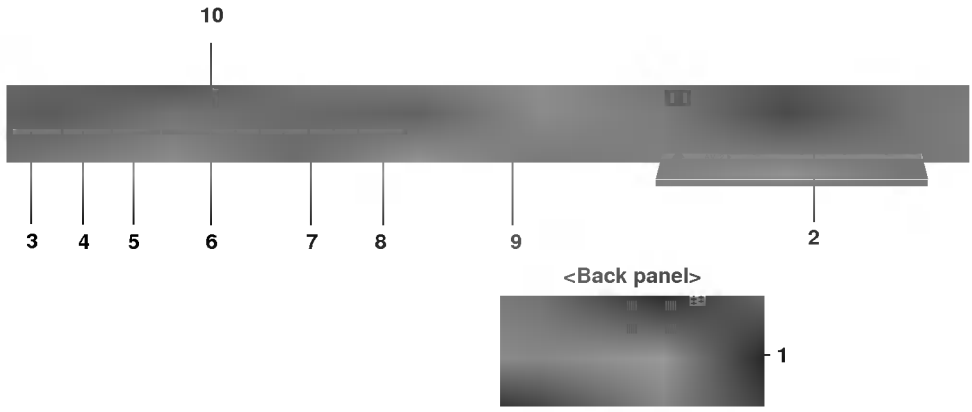
The remote control handset is powered by two AA type batteries. Gently pull down the cover of the remote control handset until the battery compartment is exposed. Install two batteries as indicated by the polarity symbols(⊕ and ⊖) marked inside the compartment.



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



1. **MAIN POWER (on the back)**
   switches the set on or off.
2. **AUDIO/VIDEO(or S-VIDEO) IN SOCKETS (AV 2)**
   Connect the audio/video(or S-video) out sockets of external equipment to these sockets.
3. **TV/AV**
   selects TV or AV mode.
4. **MENU**
   selects 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. **POWER**
   switches the set on from standby or off to standby.
9. **STANDBY INDICATOR**
   illuminates when the set is in standby mode.
10. **REMOTE CONTROL SENSOR**

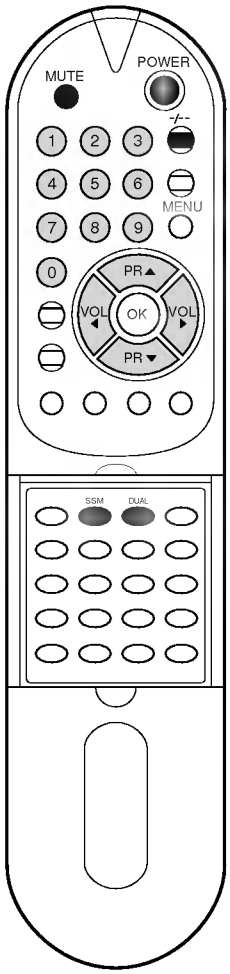
* **CASTERS (on the bottom)**
turn and move the set easily.

Basic operation

On and off

1. Press the main power button on the back of the set to switch the set on.
2. If the set is in standby mode, press the **POWER**, ▲ / ▼ or NUMBER buttons on the remote control handset to switch it on fully.
3. Press the **POWER** button on the remote control handset once more. The set reverts to standby.
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 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.
Before entering a number, press the -/-- button until the display **–** for single digit programme numbers or **––** for double digit programme numbers appears on the screen.

Volume adjustment

Press the ◄ / ► button to adjust the volume.

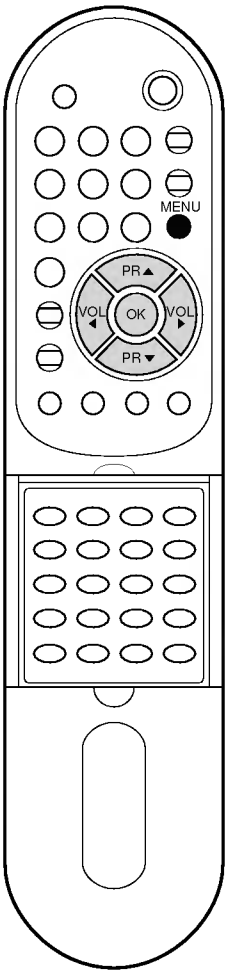
Mute function

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

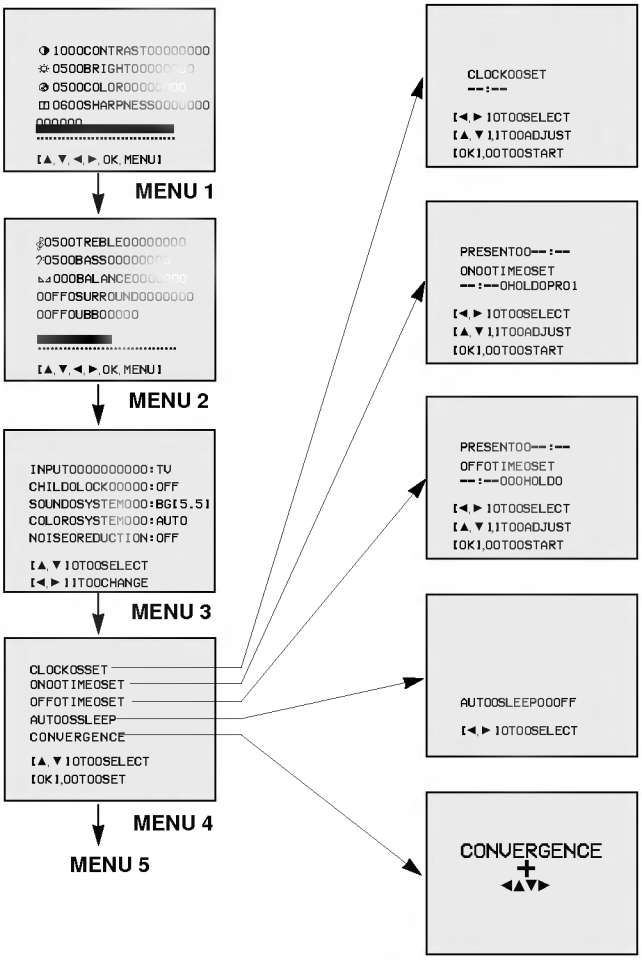
On screen menus

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.

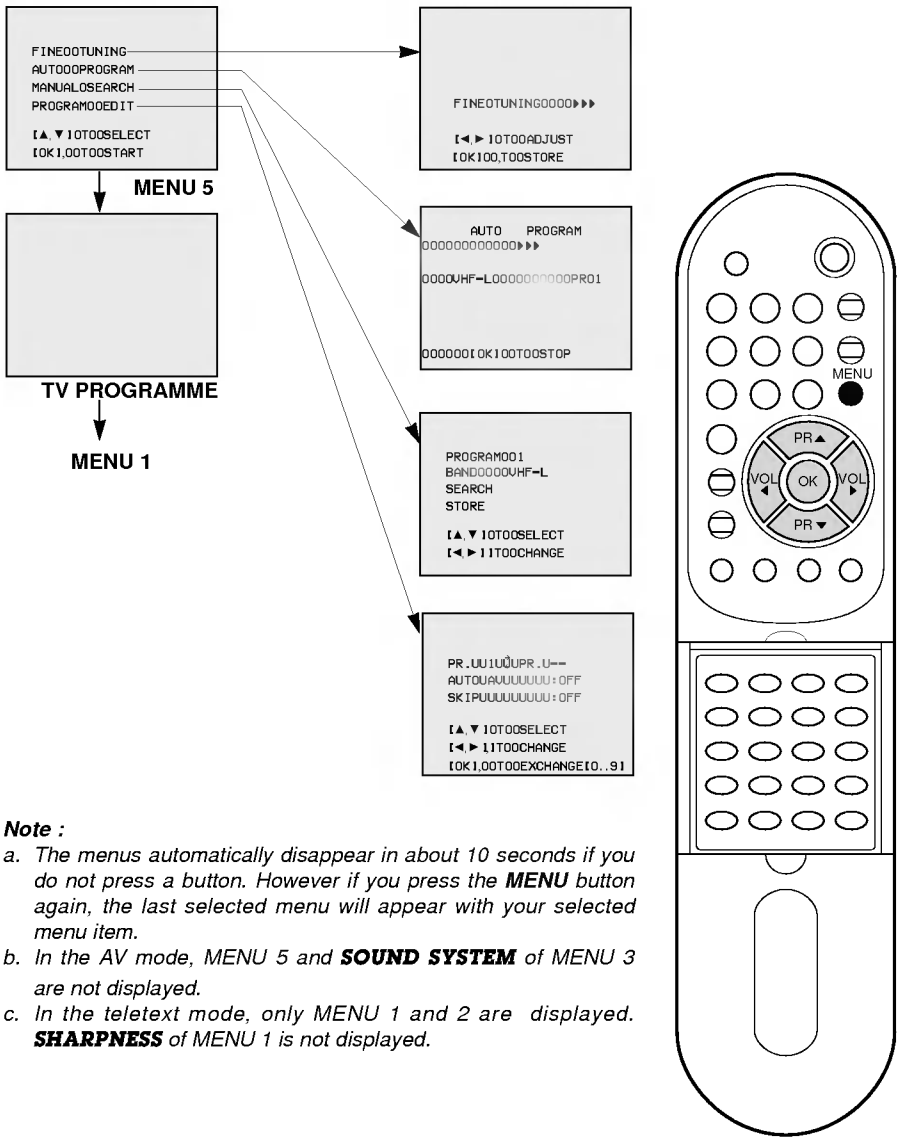
Menu selection



1. Repeatedly press the **MENU** button to display each menu.
2. Press the ▲ / ▼ button to select a menu item.
   The selected menu item changes from green to purple.
3. Press the ◄ / ► button to change the setting of a menu item or **OK** button to display the sub menu.



On screen menus



Note :

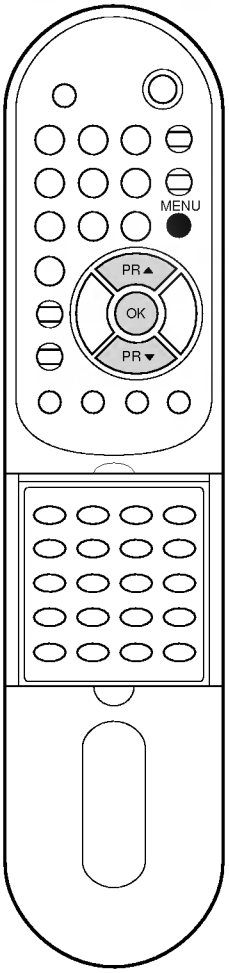
a. *The menus automatically disappear in about 10 seconds if you do not press a button. However if you press the **MENU** button again, the last selected menu will appear with your selected menu item.*

b. *In the AV mode, MENU 5 and **SOUND SYSTEM** of MENU 3 are not displayed.*

c. *In the teletext mode, only MENU 1 and 2 are displayed. **SHARPNESS** of MENU 1 is not displayed.*

Setting up TV stations

MENU 5



Up to 80 TV stations can be stored in this set by programme numbers (0 to 79). 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 an automatic or a manual mode.

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. Repeatedly press the **MENU** button to select MENU 5.
2. Press the ▲ / ▼ button to select **AUTO PROGRAM**.
3. 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.

To stop auto programming, press the **OK** button. The programme number 1 at that time will be 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* ***PROGRAM EDIT*** *mode.*

Setting up TV stations

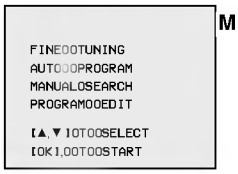
Manual programme tuning

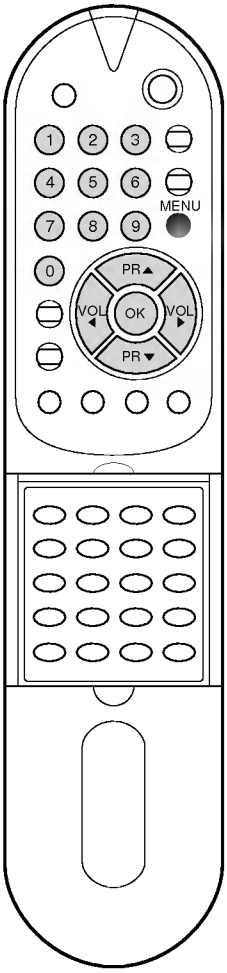
Manual programme lets you manually tune and arrange the stations in whatever order you desire.

1. Repeatedly press the **MENU** button to select MENU 5.
2. Press the ▲ / ▼ button to select **MANUAL SEARCH**.
3. Press the **OK** button to display the **MANUAL SEARCH** mode.

4. Press the ▲ / ▼ button to select **PROGRAM**. Select the desired programme number with the ◄ / ► or NUMBER buttons.
5. Press the ▲ / ▼ button to select **BAND**. Press the ◄ / ► button to select **VHF-L**, **VHF-H** or **UHF** as required.
6. Press the ▲ / ▼ button to select **SEARCH**. Press the ► button to commence searching. If a station is found the seach will stop. To stop the search at any time press the **OK** button.
7. 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.
8. To store another station repeat steps 4 to 7.
9. Press the **OK** button to return to normal TV viewing.

MENU 5





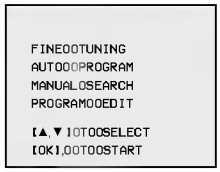
Fine tuning

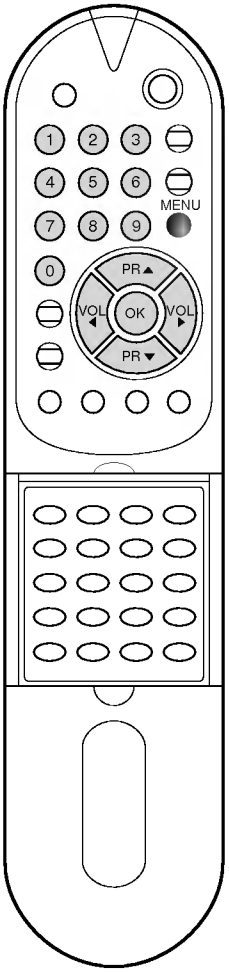
Normally fine tuning is only necessary if reception is poor.

1. Repeatedly press the **MENU** button to select MENU 5.
2. Press the ▲ / ▼ button to select **FINE TUNING**.
3. Press the **OK** button, and the **FINE TUNING** mode will appear.
4. Press the ◄ / ► button to fine tune for the best picture and sound.
5. Press the **OK** button to store the setting. The display **STORED** will appear.
   The finely tuned programme will be indicated by yellow number during programme selection.

Setting up TV stations

MENU 5

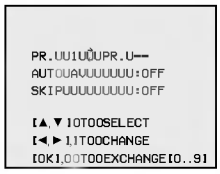




Programme edit

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.

1. Repeatedly press the **MENU** button to select MENU 5.
2. Press the ▲ / ▼ button to select **PROGRAM EDIT**.
3. Press the **OK** button, and the **PROGRAM EDIT** mode will appear.



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. At that time the station corresponding to the right hand programme number is shown via the sub picture. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.
3. Press the **OK** button. The station stored in the right hand programme number will now appear as the left hand programme number.
4. Repeat steps 1 to 3 to exchange other programmes.

Setting up TV stations

Auto AV setting

If your VCR outputs a switching voltage when it is switched to playback, select **AUTO AV : ON** with the VCR connected to Euro scart socket.
The set is automatically switched to AV3 mode when an AV signal is input. But if you want to keep on watching TV mode, set **AUTO AV** to **OFF**.

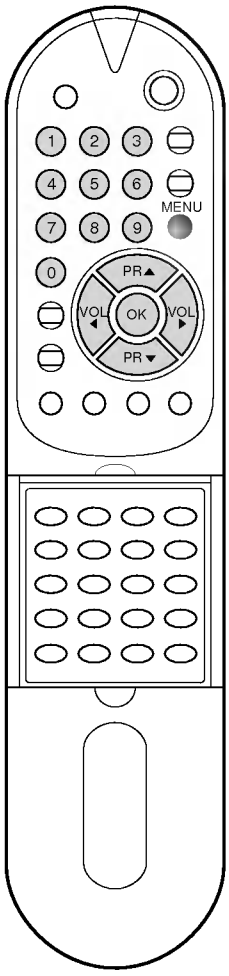
1. Press the ◄ / ► button to select your desired programme number.
2. Press the ▲ / ▼ button to select **AUTO AV**.
3. Press the ◄ / ► button to select **ON** or **OFF**.
4. Press the **OK** button.
5. Repeat steps 1 to 4 to set another programme.

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. Press the **OK** button.
5. Repeat steps 1 to 4 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.

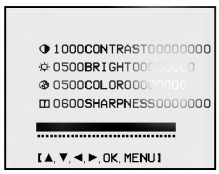
Press the **MENU** button twice to return to normal TV viewing.

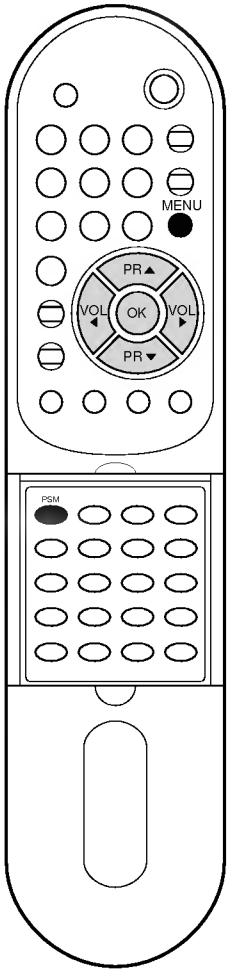
MENU 5



Picture adjustment

MENU 1





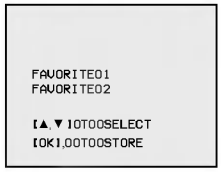
Picture adjustment

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

1. Repeatedly press the **MENU** button to select MENU 1.
2. Press the ▲ / ▼ button to select the desired picture item.
3. 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 4 to 6.

4. Press the **OK** button.



5. 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.
6. Press the **OK** button. The display **STORED** will appear.

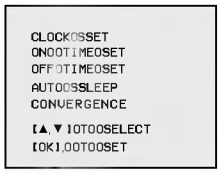
To recall your preferred setting, press the **PSM** button until the desired picture (**STANDARD**, **FAVORITE 1** or **FAVORITE 2**) appears. The **STANDARD** picture is programmed for good picture reproduction at the factory and cannot be changed.

Picture adjustment

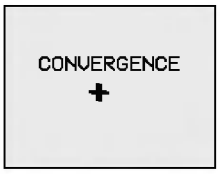
Convergence

This function enables you to adjust the colour convergence of screen during receiving the signals. When the set is first installed or it is relocated, the picture may be unstable with three colour ghosts (red, green, blue). This problem can be solved by adjusting the colour convergence.

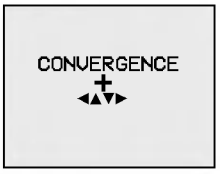
MENU 4



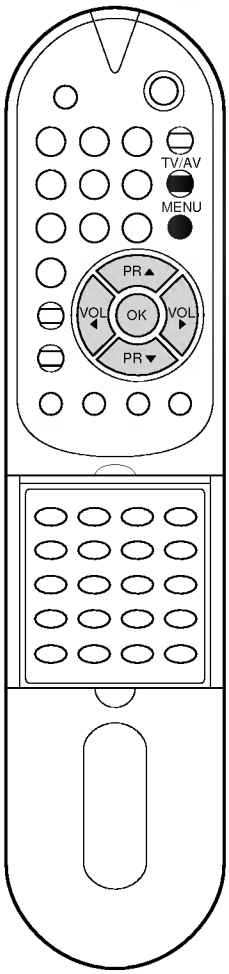
1. Press the **MENU** button to select MENU 4.
2. Press the ▲ / ▼ button to select **CONVERGENCE**.
3. Press the **OK** button to display the **CONVERGENCE** mode.
   If the display ✝ and ◄▲▼► are unstable with three colour ghosts, the colour convergence needs to be adjusted.



   If the display is white, colour convergence adjustment is not necessary.

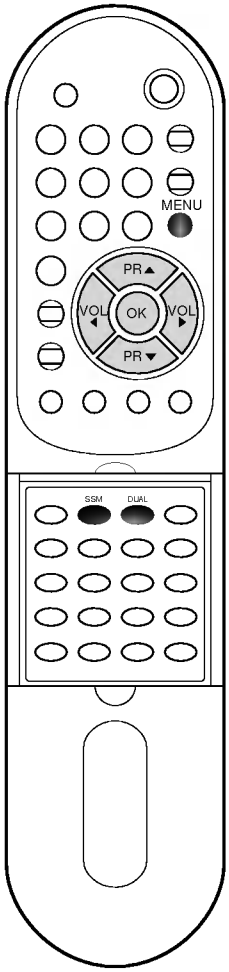


4. Press the **TV/AV** button to adjust the colour convergence.
   The display ◄▲▼► is selected in red.
   Press it again to select the display ◄▲▼► in blue.
5. Press the ▲ / ▼ and ◄ / ► buttons to superimpose the display ✝ (red or blue) with the green one.
   The display ✝ is moved to the left (◄◄), right (►►), up (▲▲) or down (▼▼) by pressing the ◄, ►, ▲, ▼ buttons.
6. If the red and blue display ✝ are superimposed with the green one, the display ✝ will be changed to white.
7. Press the **OK** button to return to normal TV viewing.



Sound adjustment

MENU 2



Sound adjustment

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

1. Repeatedly press the **MENU** button to select MENU 2.
2. Press the ▲ / ▼ button to select the desired sound item.
3. Press the ◄ / ► button to make desired adjustment.
4. Press the **OK** button to store. The adjusted sound level is stored in the **FAVORITE SOUND** mode.

To recall your preferred setting, press the **SSM** button until the desired sound (**STANDARD SOUND**, **MUSIC SOUND**, or **FAVORITE SOUND**) display 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 and programme number.

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.

Note : *If the mono signal is distorted or noisy press the **DUAL** button to switch between mono and forced mono sounds. In case of forced mono sound **MONO** is displayed on the screen.*

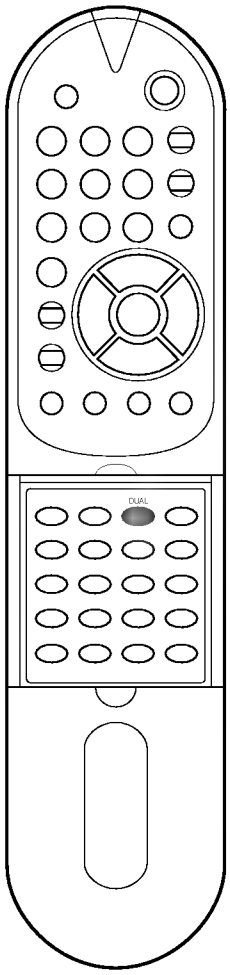
Language selection for dual language broadcast
If a programme is received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I II** by pressing the **DUAL** button repeatedly.
DUAL I sends the primary broadcast language to the loudspeakers.
DUAL II sends the secondary broadcast language to the loud-speakers.
DUAL I II sends a separate language to each loudspeaker.

Sound adjustment

NICAM reception (option)

This set can receive the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound.
Sound output can be selected according to the type of received broadcast by pressing the **DUAL** 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** or **DUAL I II** or **MONO**. When FM mono is selected the display **MONO** appears on the screen.



Sound output selection

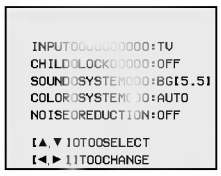
In AV1 and 3 modes, you can select output sound for the left and right loudspeakers.

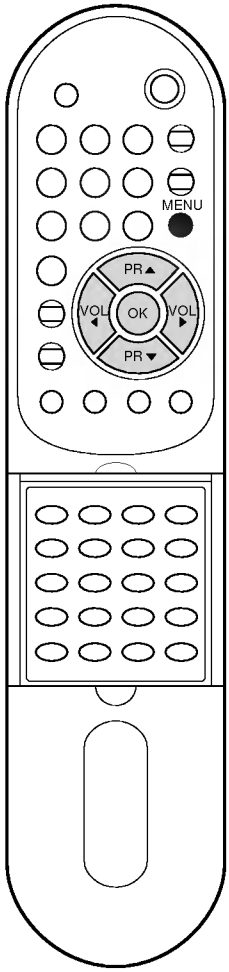
Repeatedly press the **DUAL** button to select the sound output.

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

MENU 3





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. Repeatedly press the **MENU** button to select MENU 3.
2. Press the ▲ / ▼ button to select **INPUT**.
3. Press the ◄ / ► button to select **TV**, **AV1**, **AV2** or **AV3**.
   The three AV modes are :
   AV 1 : VCR connected to the AV 1 sockets on the back
   AV 2 : VCR connected to the AV 2 sockets on the front
   AV 3 : VCR connected to the Euro scart socket on the back
4. Press the **OK** button.

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. Repeatedly press the **MENU** button to select MENU 3.
2. Press the ▲ / ▼ button to select **CHILD LOCK**.
3. Press the ◄ / ► button on the remote control handset to select **ON** or **OFF**.
4. Press the **OK** button 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.

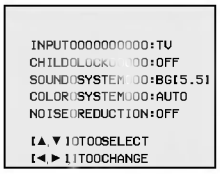
1. Repeatedly press the **MENU** button to select MENU 3.
2. Press the ▲ / ▼ button to select **SOUND SYSTEM**.
3. Press the ◄ / ► button to select the correct sound system, **BG[5.5]**, **I[6.0]**, **DK[6.5]** or **M[4.5]**.
4. Press the **OK** button to return to normal TV viewing.

Other functions

Colour system setting

The 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.

1. Repeatedly press the **MENU** button to select MENU 3.
2. Press the ▲ / ▼ button to select **COLOR SYSTEM** .
3. Press the ◄ / ► button to select the correct colour system, **AUTO**, **PAL**, **SECAM**, **NTSC4.43** or **NTSC3.58**.
4. Press the **OK** button to return to normal TV viewing.



MENU 3

Noise reduction

This function during viewing reduces picture noise.

1. Repeatedly press the **MENU** button to select MENU 3.
2. Press the ▲ / ▼ button to select **NOISE REDUCTION**.
3. Press the ◄ / ► button to select **ON**.
4. Press the **OK** button to return to normal TV viewing.

Sleep timer

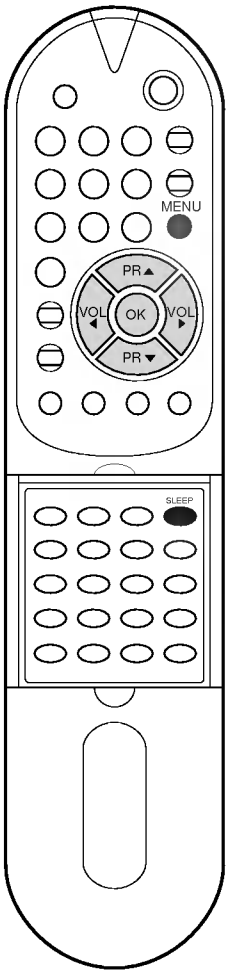
You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.

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.

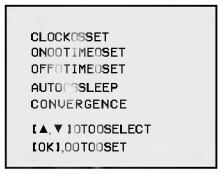
Note :

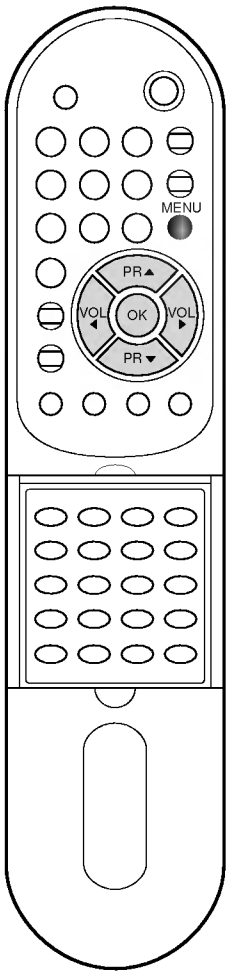
*a. To view the remaining sleep time, press the **SLEEP** button once.*
*b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display **SLEEP**--- appears.*
c. When you switch the set off, the set releases the preset sleep time.



Time setting

MENU 4





Clock

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

1. Repeatedly press the **MENU** button to select MENU 4.
2. Press the ▲ / ▼ button to select **CLOCK SET**.
3. Press the **OK** button to display the sub menu.
4. Select and adjust hour and minute by pressing the ▲ / ▼ and ◄ / ► buttons.
5. Press the **OK** button to start.

On/off time

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

1. Repeatedly press the **MENU** button to select MENU 4.
2. Press the ▲ / ▼ button to select **ON 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 handset to operate the on time function.*

e. If the on time function activates, the set will automatically switch to the on time programme number, even during viewing.

f. Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

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. Repeatedly press the **MENU** button to select MENU 4.
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 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.
PIP is an optional function. Only a set with the PIP can perform this function.

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.

PIP: (programme number) → **PIP: AV1** → **PIP: AV2** → **PIP: AV3** →

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 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.

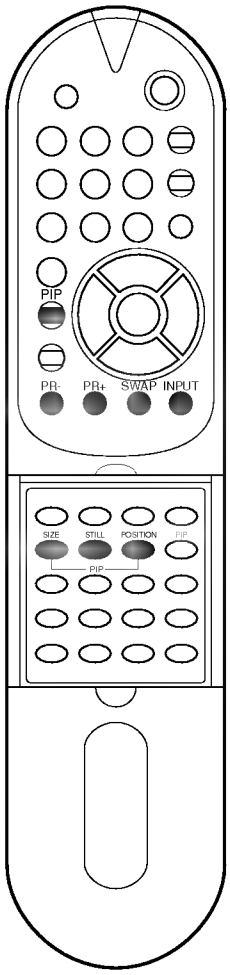
Sub picture minimization

Press the **SIZE** button to reduce the sub picture size.
Press this button again to restore normal size.

Programme selection for sub picture

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

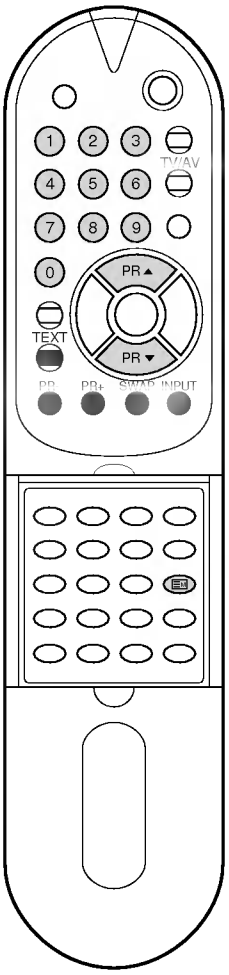
Note : *In the PIP mode, you can not adjust the sub picture settings.*



Teletext (option)

Teletext 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 LIST, TOP and FASTEXT systems. 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** button to switch off teletext. The previous mode reappears.

LIST mode

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

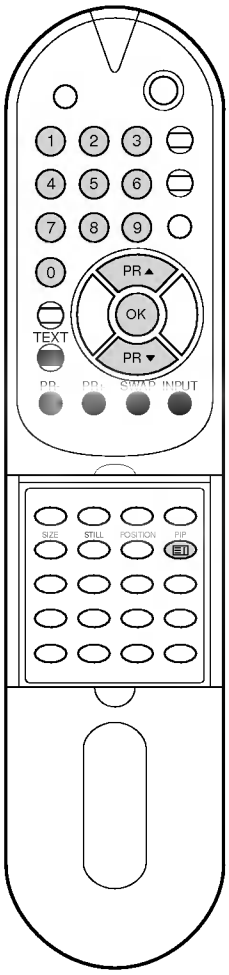
Page selection

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 colour 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.

Group/block/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 it as a three digit number using 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

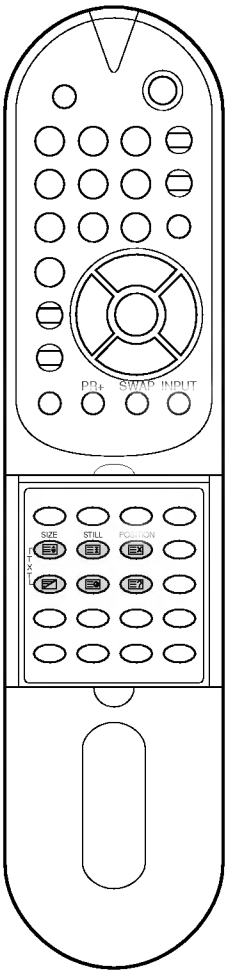
The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

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 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.

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.

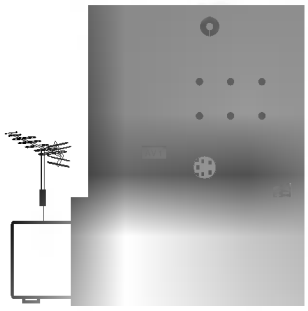
MIX
Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.

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 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.

Connection of external equipment

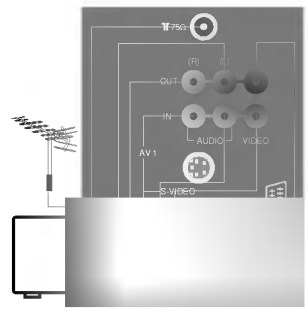
You can connect additional equipment, such as VCRs, camcorders etc. to your set.

Aerial socket



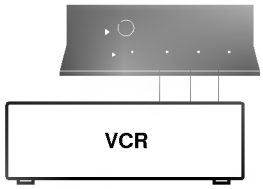
1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel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

Audio/Video in/out sockets

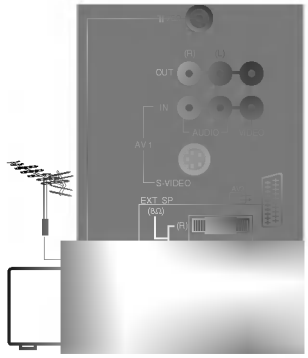


1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set and in sockets of the VCR to out sockets of the set.
2. If the VCR is connected to the **AV1** sockets on the back of the set, press the **TV/AV** button to select **AV1**. You should select **AV2** if the VCR is connected to the **AV2** sockets on the front of the set.
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.



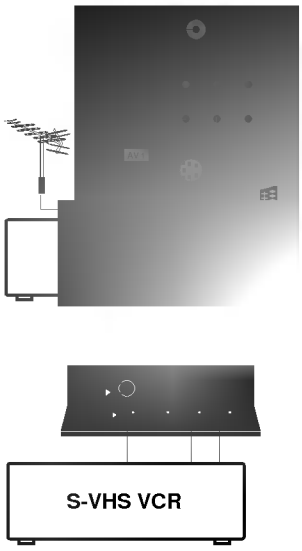
Euro scart socket



1. Connect the euro scart socket of the VCR to the Euro scart socket on the back of the set.
2. Press the **PLAY** button on the VCR.
   If your VCR outputs a switching voltage connect to Euro scart socket. If **AUTO AV : ON** is selected, the set will switch to AV3 mode automatically. Otherwise, press the **TV/AV** button on the remotecontrol handset to select **AV3**.
   The VCR playback picture appears on the screen.

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

Connection of external equipment



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

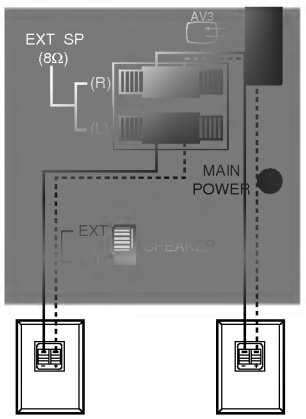
When connecting a S-VHS VCR to the **S-VIDEO** socket, the picture quality will be further improved.

1. Connect the S-video socket of the S-VHS VCR to the **S-VIDEO** socket on the front or back of the set.
2. Connect the audio cable from the S-VHS VCR to the **AUDIO IN** sockets on the front or back of the set.
3. If the S-VHS VCR is connected to the AV 1 sockets on the back of the set, press the **TV/AV** button to select **AV1**. You should select **AV2** if the S-VHS VCR is connected to the AV 2 sockets on the back of the set.
4. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

Note :

*a. 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.*

*b. If both **S-VIDEO** and **VIDEO** sockets have been connected to the S-VHS VCR simultaneously, only the **S-VIDEO** can be received.*



External speakers

You can connect external Hi-Fi speakers to get a wide stereo effect. When connecting the external speakers, these must be 8 ohm.

1. Connect two external speakers to the **EXTERNAL SPEAKER** sockets as indicated by red (+) and black(-) knobs.
   When connecting the external speakers, make sure that the polarity is correct.
   Note : *When the **EXT/INT** switch is positioned to **EXT**, the internal speakers do not operate.*
2. Set the **EXT/INT** switch to **EXT**(external).
   To use TV speakers set the switch to **INT**(internal).

Troubleshooting check list

Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

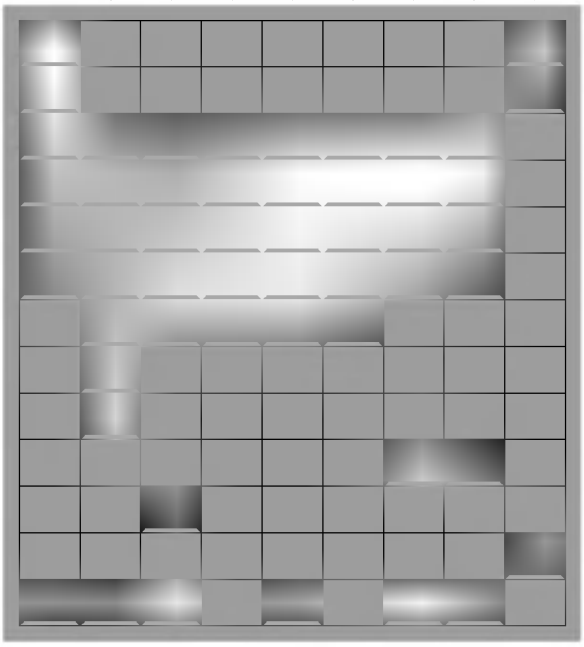
Lines or streaks in picture

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)